PRYSMIAN

MEDIUM VOLTAGE CABLE

A brand of the

Prysmian Group

PRYSMIAN

a

worldwide

leading

player

in

the

cable

industry

Prysmian Group

PRYSMIAN Draka

COMPANY PROFILE

The Prysmian Group

The company and its Business

As a major supplier to many of the world's key Power, Industrial and Telecom projects – wherever high quality, high-tech and innovative cable solutions are needed – Prysmian is a truly global presence in building the world's energy and telecoms infrastructures.

The Prysmian Group was formed in 2011 following Prysmian acquisition of Draka, a leading player in the industry of high-tech cables and systems for energy and telecommunication.

With over 130 years of combined experience, Prysmian and Draka have contributed to create the leading worldwide player in the high technology business of Energy and Telecom Cables and Systems, and to consolidate the existing strong relationships with most of the major global operators in the field.

The Prysmian Group specialises in the development, design, manufacturing, supply and installation of a wide range of cables and systems.

The Company's global operations are supported by a worldwide network of local subsidiaries, including administrative, manufacturing and research facilities across five continents.

Prysmian Group key strengths lie in the Company's product quality and its keen focus on Research & Development, concentrating on innovation in products, production processes and in the use of advanced proprietary technologies.

The Prysmian Group is present on the market with two of the strongest and most recognized commercial brands (Prysmian and Draka), whose highly complementary products and services meet the needs of two main sectors: :

> Energy, dealing with cables, systems and accessories for underground and submarine power transmission/distribution and a wide range of industrial applications;

Prysmian Group

PRYSMIAN Draka

> Telecom, dealing with optical cables and fibres, copper cables and connectivity components for video, data and voice transmission.

Global Presence

PLANTS

EMEA

Italy
Arco Felice
Ascoli Piceno
Battipaglia
Giovinazzo
Livorno
Livorno Ferraris
Merlino
Pignataro Maggiore
Quattordio
France
Amfreville
Angy
Charvieu
Chavanoz
Gron
Neuf Pré
Paron
Xoulces
Dovrin
Calais
Aubevoye
Sainte Genevieve
UK
Aberdare
Bishopstoke
Wrexham
Derby
Washington
Spain
Sant Vicens dels Hors
Vilanova y la Geltru (2)
Santander
Barcelona
Germany
Eschweiler
Neustadt
Schwerin
Numberg
Wuppertal
Berlin
Norway
Drammen
Denmark
Brondby
Sweden
Nassjo
Finland
Pikkala
Oulu
Holland
Eindhoven
Delft
Amsterdam
Emmen
Delfzijl
Nieuw Bergen
Hungary
Balassagyarmat
Kistelek
Slovakia
Presov
Romania
Slatina
Russia
Rybinsk
St. Petersburg
Czech Republic
Velke Mezirici
Estonia
Keila
Turkey
Mudanya
Ivory Coast
Abidjian
Tunisia
Grombalia
U.A.E.
Fujairah

APAC

China
Baoying
Tianjin
Wuxi
Wuhan (2)
Haixun
Shanghai
Suzhou
Zhongyao
Australia
Dee Why
Liverpool
India
Pune
Chiplun
Indonesia
Cikampek
Singapore
Singapore
Thailandia
Rayong
Melaka
Filippine
Cebu
Malaysia
Kuala Lumpur
New Zealand
Auckland

NORTH AMERICA

Canada
Prescott
USA
Abbeville
Lexington
North Dighton
Bridgewater
Rocky Mount
Hickory
Claremont
Schuylkill Haven
Mexico
Durango

SOUTH AMERICA

Brazil
Joinville
Sorocaba (2)
St. André
Vila Velha
Argentina
La Rosa
Quilmes

- ENERGY (65)
- TELECOM (20)
- SHARED ENERGY and TELECOM (12)
- PRYSMIAN GROUP GLOBAL PRESENCE

Prysmian Group

PRYSMIAN Draka

History of the Prysmian

PT. Prysmian Cables Indonesia is one of the affiliate of Prysmian Group with the following of company history.

PRYSMIAN

1879

FOUNDATION OF PIRELLI CAVI AND EXPANSION

Prysmian Group's history has its roots in the history of the Pirelli Group. A few years after the foundation of the company, the activities of Pirelli Cavi e Sistemi commenced.

1998

GROWTH THROUGH ACQUISITIONS

The company begins targeted acquisitions, including the power cable businesses of Siemens, BICC, Metal Manufacturers Ltd and NKF.

2005

BIRTH OF PRYSMIAN CABLES & SYSTEMS

Prysmian is founded in July 2005 through the acquisition of the energy and telecom cables and systems activities of Pirelli.

Draka

1910

DRAKA FOUNDATION

Draka is founded under the name of Hollandsche Draad & Kabel Fabriek.

1970

IN THE PHILIPS ROUTE

The company is acquired by Philips and became part of the Wire and Cable division.

1986

INDIPENDENCE

The business became independent through a buyout financed by Parcom and Flint Beheer, at which point the name Draka was born.

Prysmian Group

PRYSMIAN Draka

Prysmian Group

PRYSMIAN Draka

PT. Prysmian Cables Indonesia - Company Profile

PT. Prysmian Cables Indonesia legal establishment on October 1995 with US$ 32 Million Investment and by January 1997 the manufacturing facilities have been established and ready for service.

PT. Prysmian Cables Indonesia plant is one of Prysmian's most modern factories currently employing more than 200 people. It is situated within the Bukit Indah Industrial Park, Cikampek - West Java, approximately 70 km from Jakarta. The plant occupies a covered area of 22,000 square meters, on a total land plot of 82,000 square meters, allowing us ample space for future expansion.

PT. Prysmian Cables Indonesia supply cables extensively within the ASEAN region, in addition to having an establish worldwide customer base including oil & gas markets in Europe, Australia and the Middle East.

PCI sales office is located in Jakarta at the Perkantoran Hijau Arkadia Tower F, 7th Floor Suite 701, Jl. T.B. Simatupang Kav, 88, supported by Prysmian's regional sales in Singapore.

A multi-million dollar investment was made in 2007-8 for new Low Voltage plan & machinery, complementing our medium voltage capabilities. This has been specifically targeted to cater for regional & overseas Oil & Gas project.

Scope of company

The main scope of work of PT. Prysmian Cables Indonesia is to provide complete systems solutions for both the Telecommunication as well as the Power Infrastructure Owners. To do so PT. Prysmian Cables Indonesia is fully committed to supply High Technology products such as Optical Fibre Cables, Optical Accessories, Low, Medium and High Voltage Power Cables and Accessories as well providing full Turn Key services such as System Design, Installation, Project Management, Technical Training, etc.

PT. Prysmian Cables Indonesia activities are and will be supported by the full strengths of its international network of the Prysmian Group.

In summary, PT. Prysmian Cables Indonesia wants to be the leading supplier both for the Electricity Supply Industry and the Telecommunication Industry by providing not only price competitive products and systems but also: -

- Quality
- Technology
- On-Time Delivery
- Installation
- Technical Services and Laboratory Facilities
- Training and Technical Co-operation
- World Class Benchmarking

INDEX

INDEX

F. ALUMINIUM CABLES – LEAD SHEATH XLPE INSULATION (3.6 KV/6 KV – 18/30 KV)

PRYSMIAN

A brand of the Prysmian Group

3.6/6(7.2) – 18/30(36) KV
CU/XLPE/CTS/PVC– N2XSY

Construction

- **Conductor**
  Plain annealed copper wire according to IEC 60228
  - Class 2 for Stranded Conductors
- **Conductor Screen**
  Extruded Semi Conductive Compound
- **Insulation**
  XLPE Compound
- **Insulation Screen**
  Extruded Semi Conductive Compound
- **Metallic Screen**
  Plain Annealed Copper Tapes
- **Sheath**
  PVC Compound ST 2

Special Feature On Request

- EPR Insulation
- Flame Retardant Cat.A,B,C
- Flame Retardant Non Category
- Anti-termite
- Anti-Rodent
- Oil Resistance
- UV Resistance
- Low Smoke Zero Halogen

Cores Identification

- Not Applicable

Applicable Standards

• SNI IEC 60502-2	Design and Test Guidelines
• IEC 60502-2	Design and Test Guidelines
• IEC 60228	Conductor
• IEC 60332-1	Flame Retardant
• IEC 60332-3-22	Flame Retardant Cat. A
• IEC 60332-3-23	Flame Retardant Cat. B
• IEC 60332-3-24	Flame Retardant Cat. C

IEC 60332-1
IEC 60332-3-22
IEC 60332-3-23
IEC 60332-3-24

STANDARD

EXCELLENT

0 °C

14 D

NORMAL OPERATION TEMPERATURE

SHORT CIRCUIT TEMPERATURE

3.6/6(7.2) - 18/30(36) KV
CU/XLPE/CTS/PVC- N2XSY

DIMENSION & ELECTRICAL DATA

Cross Section (mm²)	Tension Uo/U (kV)	Conductor Diameter (mm)	Insulation Diameter (mm)	Metalic Screen Diameter (mm)	Outer Sheath Diameter (mm)	Cable Weigth (kg/km)	Packaging (m)	Max.DC Resistance at 20°C (Ω/km)	Current Rating in air at 30°C (A)	Current Rating in Ground at 20°C (A)	Short Circuit Current for 1s (kA)
1x50	3.6/6	8.2	16	18	22	796	1000	0.3870	238	196	7.2
1x70	3.6/6	9.8	17	18	22	976	1000	0.2680	296	239	10.0
1x95	3.6/6	11.3	18	20	24	1243	1000	0.1930	361	285	13.6
1x120	3.6/6	12.8	20	22	25	1485	1000	0.1530	417	323	17.2
1x150	3.6/6	14.2	21	23	27	1760	1000	0.1240	473	361	21.5
1x185	3.6/6	15.7	23	24	28	2106	1000	0.0991	543	406	26.5
1x240	3.6/6	18.1	26	27	31	2718	1000	0.0754	641	469	34.3
1x300	3.6/6	20.2	27	29	33	3269	1000	0.0601	735	526	42.9
1x400	3.6/6	22.8	30	32	36	4087	1000	0.0470	845	590	57.2
1x500	3.6/6	26.1	33	35	39	5121	500	0.0366	961	668	71.5
1x630	3.6/6	29.9	38	40	45	6622	500	0.0283	1078	734	90.1
1x50	6/10	8.2	17	18	22	810	1000	0.3870	238	196	7.2
1x70	6/10	9.8	17	19	23	985	1000	0.2680	296	239	10.0
1x95	6/10	11.3	19	20	24	1247	1000	0.1930	361	285	13.6
1x120	6/10	12.8	20	22	25	1510	1000	0.1530	417	323	17.2
1x150	6/10	14.2	22	23	27	1776	1000	0.1240	473	361	21.5
1x185	6/10	15.7	24	25	29	2164	1000	0.0991	543	406	26.5
1x240	6/10	18.1	26	27	31	2723	1000	0.0754	641	469	34.3
1x300	6/10	20.2	28	30	33	3305	1000	0.0601	735	526	42.9
1x400	6/10	22.8	30	32	37	4127	1000	0.0470	845	590	57.2
1x500	6/10	26.1	34	36	41	5197	500	0.0366	961	668	71.5
1x630	6/10	29.9	38	40	45	6641	500	0.0283	1078	734	90.1
1x50	8.7/15	8.2	19	20	24	897	1000	0.3870	238	196	7.2
1x70	8.7/15	9.8	19	21	25	1080	1000	0.2680	296	239	10.0
1x95	8.7/15	11.3	21	23	26	1352	1000	0.1930	361	285	13.6
1x120	8.7/15	12.8	22	24	28	1613	1000	0.1530	417	323	17.2
1x150	8.7/15	14.2	24	25	29	1892	1000	0.1240	473	361	21.5
1x185	8.7/15	15.7	26	27	32	2283	1000	0.0991	543	406	26.5
1x240	8.7/15	18.1	28	30	34	2880	1000	0.0754	641	469	34.3
1x300	8.7/15	20.2	30	32	36	3455	1000	0.0601	735	526	42.9
1x400	8.7/15	22.8	33	35	39	4304	500	0.0470	845	590	57.2
1x500	8.7/15	26.1	36	38	43	5336	500	0.0366	961	668	71.5
1x630	8.7/15	29.9	40	42	47	6795	500	0.0283	1078	734	90.1
1x50	12/20	8.2	21	22	26	973	1000	0.3870	238	196	7.2
1x70	12/20	9.8	22	23	27	1181	1000	0.2680	296	239	10.0
1x95	12/20	11.3	23	25	29	1472	1000	0.1930	361	285	13.6
1x120	12/20	12.8	25	27	31	1727	1000	0.1530	417	323	17.2
1x150	12/20	14.2	26	28	32	2030	1000	0.1240	473	361	21.5
1x185	12/20	15.7	28	29	34	2384	1000	0.0991	543	406	26.5
1x240	12/20	18.1	30	32	36	2997	1000	0.0754	641	469	34.3
1x300	12/20	20.2	32	34	38	3585	1000	0.0601	735	526	42.9
1x400	12/20	22.8	35	37	41	4444	1000	0.0470	845	590	57.2
1x500	12/20	26.1	38	39	44	5461	500	0.0366	961	668	71.5
1x630	12/20	29.9	42	44	49	6995	500	0.0283	1078	734	90.1
1x50	18/30	8.2	26	27	31	1229	1000	0.3870	238	196	7.2
1x70	18/30	9.8	26	28	32	1412	1000	0.2680	296	239	10.0
1x95	18/30	11.3	28	29	33	1719	1000	0.1930	361	285	13.6
1x120	18/30	12.8	29	31	35	1988	1000	0.1530	417	323	17.2
1x150	18/30	14.2	31	32	37	2292	1000	0.1240	473	361	21.5
1x185	18/30	15.7	32	34	38	2668	500	0.0991	543	406	26.5
1x240	18/30	18.1	34	36	41	3288	1000	0.0754	641	469	34.3
1x300	18/30	20.2	37	39	44	3941	1000	0.0601	735	526	42.9
1x400	18/30	22.8	40	41	47	4806	1000	0.0470	845	590	57.2
1x500	18/30	26.1	43	44	49	5867	500	0.0366	961	668	71.5
1x630	18/30	29.9	47	49	54	7434	500	0.0283	1078	734	90.1

3.6/6(7.2) To 18/30(36) kV
CU/XLPE/CTS/PVC- N2XSEY

Construction

- **Conductor**
  Plain annealed copper wire according to IEC 60228
  - Class 2 for Stranded Compacted Conductors
- **Conductor Screen**
  Extruded Semi Conductive Compound
- **Insulation**
  XLPE Compound
- **Insulation Screen**
  Extruded Semi Conductive Compound
- **Metallic Screen**
  Plain Annealed Copper Tapes
- **Filler**
  PP Yarn Filler
- **Sheath**
  PVC Compound ST 2

Special Feature On Request

- EPR Insulation
- Flame Retardant Cat.A,B,C
- Flame Retardant Non Category
- Anti-termite
- Anti-Rodent
- Oil Resistance
- UV Resistance
- Low Smoke Zero Halogen

Cores Identification

- **Brown,Black,Grey**

Others colours available upon request

Applicable Standards

SNI IEC 60502-2	Design and Test Guidelines
IEC 60502-2	Design and Test Guidelines
IEC 60228	Conductor
IEC 60332-1	Flame Retardant
IEC 60332-3-22	Flame Retardant Cat. A
IEC 60332-3-23	Flame Retardant Cat. B
IEC 60332-3-24	Flame Retardant Cat. C


IEC 60332-1
IEC 60332-3-22
IEC 60332-3-23
IEC 60332-3-24


STANDARD


EXCELLENT


0 °C


14 D

NORMAL OPERATION TEMPERATURE

SHORT CIRCUIT TEMPERATURE

3.6/6(7.2) To 18/30(36) kV
CU/XLPE/CTS/PVC- N2XSEY

DIMENSION & ELECTRICAL DATA

Cross Section (mm²)	Tension Uo/U (kV)	Conductor Diameter (mm)	Insulation Diameter (mm)	Metalic Screen Diameter (mm)	Outer Sheath Diameter (mm)	Cable Weigth (kg/km)	Packaging (m)	Max.DC Resistance at 20°C (Ω/km)	Current Rating in air at 30°C (A)	Current Rating in Ground at 20°C (A)	Short Circuit Current for 1s (kA)
3x50	3.6/6	8.2	16	18	43	2618	1000	0.3870	204	181	7.2
3x70	3.6/6	9.8	17	19	45	3276	1000	0.2680	253	221	10.0
3x95	3.6/6	11.3	19	21	49	4153	1000	0.1930	304	262	13.6
3x120	3.6/6	12.8	20	22	53	4952	1000	0.1530	351	298	17.2
3x150	3.6/6	14.2	22	23	56	5880	500	0.1240	398	334	21.5
3x185	3.6/6	15.7	23	25	59	7011	500	0.0991	455	377	26.5
3x240	3.6/6	18.1	26	27	65	8899	500	0.0754	531	434	34.3
3x300	3.6/6	20.2	27	29	69	10574	250	0.0601	606	489	42.9
3x50	6/10	8.2	17	18	44	2661	1000	0.3870	204	181	7.2
3x70	6/10	9.8	17	19	45	3270	1000	0.2680	253	221	10.0
3x95	6/10	11.3	19	21	50	4249	1000	0.1930	304	262	13.6
3x120	6/10	12.8	21	22	53	5069	1000	0.1530	351	298	17.2
3x150	6/10	14.2	22	23	56	5841	500	0.1240	398	334	21.5
3x185	6/10	15.7	23	25	59	7008	500	0.0991	455	377	26.5
3x240	6/10	18.1	26	28	66	9034	250	0.0754	531	434	34.3
3x300	6/10	20.2	28	29	70	10756	250	0.0601	606	489	42.9
3x50	8.7/15	8.2	18	19	47	2851	1000	0.3870	204	181	7.2
3x70	8.7/15	9.8	19	21	50	3606	1000	0.2680	253	221	10.0
3x95	8.7/15	11.3	21	23	54	4604	500	0.1930	304	262	13.6
3x120	8.7/15	12.8	23	25	59	5476	500	0.1530	351	298	17.2
3x150	8.7/15	14.2	24	25	61	6218	500	0.1240	398	334	21.5
3x185	8.7/15	15.7	25	27	64	7450	500	0.0991	455	377	26.5
3x240	8.7/15	18.1	28	29	70	9324	250	0.0754	531	434	34.3
3x300	8.7/15	20.2	30	32	75	11246	250	0.0601	606	489	42.9
3x50	12/20	8.2	21	22	53	3304	1000	0.3870	204	181	7.2
3x70	12/20	9.8	22	23	56	4095	500	0.2680	253	221	10.0
3x95	12/20	11.3	23	25	58	4853	500	0.1930	304	262	13.6
3x120	12/20	12.8	25	27	63	5903	500	0.1530	351	298	17.2
3x150	12/20	14.2	26	27	65	6690	500	0.1240	398	334	21.5
3x185	12/20	15.7	27	29	69	8204	250	0.0991	455	377	26.5
3x240	12/20	18.1	30	32	76	10087	250	0.0754	531	434	34.3
3x300	12/20	20.2	32	33	80	11812	250	0.0601	606	489	42.9
3x50	18/30	8.2	26	27	65	4397	500	0.3870	204	181	7.2
3x70	18/30	9.8	26	28	66	5014	500	0.2680	253	221	10.0
3x95	18/30	11.3	28	29	70	5888	500	0.1930	304	262	13.6
3x120	18/30	12.8	30	31	75	7161	500	0.1530	351	298	17.2
3x150	18/30	14.2	31	32	77	7856	500	0.1240	398	334	21.5
3x185	18/30	15.7	32	34	80	9111	250	0.0991	455	377	26.5
3x240	18/30	18.1	34	36	86	11081	250	0.0754	531	434	34.3
3x300	18/30	20.2	37	38	91	13139	250	0.0601	606	489	42.9

3.6/6(7.2) - 18/30(36) KV
CU/XLPE/CTS/PVC/DATA/PVC- N2XSYB(AL)Y

Construction

- **Conductor**
  Plain annealed copper wire according to IEC 60228
  - Class 2 for Stranded Compacted Conductors
- **Conductor Screen**
  Extruded Semi Conductive Compound
- **Insulation**
  XLPE Compound
- **Insulation Screen**
  Extruded Semi Conductive Compound
- **Metallic Screen**
  Plain Annealed Copper Tapes
- **Separation Sheath**
  PVC Compound ST 2
- **Metallic Armour**
  Double Aluminium Tapes
- **Sheath**
  PVC Compound ST 2

Special Feature On Request

- EPR Insulation
- Flame Retardant Cat.A,B,C
- Flame Retardant Non Category
- Anti-termite
- Anti-Rodent
- Oil Resistance
- UV Resistance
- Low Smoke Zero Halogen

Cores Identification

- Not Aplicable

Applicable Standards

SNI IEC 60502-2	Design and Test Guidelines
IEC 60502-2	Design and Test Guidelines
IEC 60228	Conductor
IEC 60332-1	Flame Retardant
IEC 60332-3-22	Flame Retardant Cat. A
IEC 60332-3-23	Flame Retardant Cat. B
IEC 60332-3-24	Flame Retardant Cat. C


IEC 60332-1
IEC 60332-3-22
IEC 60332-3-23
IEC 60332-3-24


STANDARD


EXCELLENT


0 °C


14 D

NORMAL OPERATION TEMPERATURE

SHORT CIRCUIT TEMPERATURE

3.6/6(7.2) - 18/30(36) KV
CU/XLPE/CTS/PVC/DATA/PVC- N2XSYB(AL)Y

Construction

- **Conductor**
  Plain annealed copper wire according to IEC 60228
  - Class 2 for Stranded Compacted Conductors
- **Conductor Screen**
  Extruded Semi Conductive Compound
- **Insulation**
  XLPE Compound
- **Insulation Screen**
  Extruded Semi Conductive Compound
- **Metallic Screen**
  Plain Annealed Copper Tapes
- **Separation Sheath**
  PVC Compound ST 2
- **Metallic Armour**
  Double Aluminium Tapes
- **Sheath**
  PVC Compound ST 2

Special Feature On Request

- EPR Insulation
- Flame Retardant Cat.A,B,C
- Flame Retardant Non Category
- Anti-termite
- Anti-Rodent
- Oil Resistance
- UV Resistance
- Low Smoke Zero Halogen

Cores Identification

- Not Aplicable

Applicable Standards

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IEC 60502-2	Design and Test Guidelines
IEC 60228	Conductor
IEC 60332-1	Flame Retardant
IEC 60332-3-22	Flame Retardant Cat. A
IEC 60332-3-23	Flame Retardant Cat. B
IEC 60332-3-24	Flame Retardant Cat. C

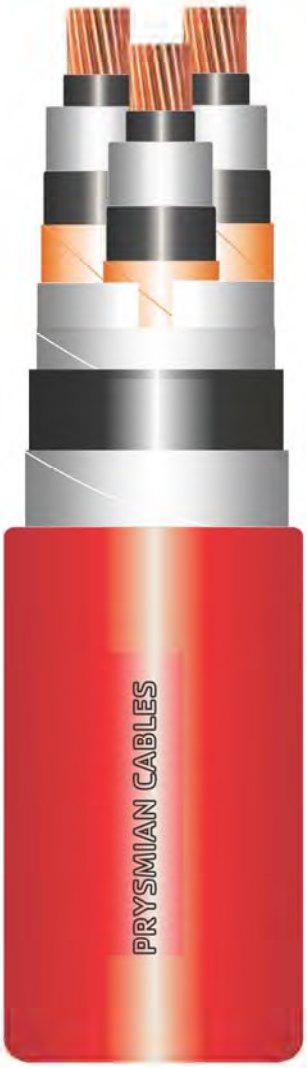
IEC 60332-1 IEC 60332-3-22 IEC 60332-3-23 IEC 60332-3-24	STANDARD	EXCELLENT	0 °C	14 D		90°C NORMAL OPERATION TEMPERATURE	250°C SHORT CIRCUIT TEMPERATURE

3.6/6(7.2) – 18/30(36) KV
CU/XLPE/CTS/PVC/DATA/PVC– N2XSYB(AL)Y

DIMENSION & ELECTRICAL DATA

Cross Section (mm²)	Tension Uo/U (kV)	Conductor Diameter (mm)	Insulation Diameter (mm)	Sep. Sheath Diameter (mm)	Armour Diameter (mm)	Outer Sheath Diameter (mm)	Cable Weigth (kg/km)	Packaging (m)	Max.DC Resistance at 20°C (Ω/km)	Current Rating in air at 30°C (A)	Current Rating in Ground at 20°C (A)	Short Circuit Current for 1s (kA)
1x50	3.6/6	8.2	16.2	21	23	27	1068	1000	0.387	238	196	7.2
1x70	3.6/6	9.8	16.8	22	24	28	1282	1000	0.268	296	239	10.0
1x95	3.6/6	11.3	18.3	23	25	28	1530	1000	0.193	361	285	13.6
1x120	3.6/6	12.8	19.8	24	27	30	1796	1000	0.153	417	323	17.2
1x150	3.6/6	14.2	21.6	26	29	32	2133	1000	0.124	473	361	21.5
1x185	3.6/6	15.7	23.1	27	25	32	2395	1000	0.0991	537	462	26.5
1x240	3.6/6	18.1	25.6	30	31	34	2978	1000	0.0754	641	469	34.3
1x300	3.6/6	20.2	27.6	32	34	38	3722	1000	0.0601	735	526	42.9
1x400	3.6/6	22.8	30.3	36	38	42	4672	500	0.047	845	590	57.2
1x500	3.6/6	26.1	33.6	39	41	46	5742	500	0.0366	961	668	71.5
1x630	3.6/6	29.9	37.5	43	45	50	7239	250	0.0283	1078	734	90.1
1x50	6/10	8.2	16.6	21	24	28	1038	1000	0.387	238	196	7.2
1x70	6/10	9.8	17.2	22	24	28	1272	1000	0.268	296	239	10.0
1x95	6/10	11.3	18.7	23	26	29	1566	1000	0.193	361	285	13.6
1x120	6/10	12.8	20.2	25	27	31	1843	1000	0.153	417	323	17.2
1x150	6/10	14.2	21.6	26	28	32	2145	1000	0.124	473	361	21.5
1x185	6/10	15.7	23.1	27	30	34	2534	1000	0.0991	543	406	26.5
1x240	6/10	18.1	25.5	30	32	36	3112	1000	0.0754	641	469	34.3
1x300	6/10	20.2	27.6	32	35	39	3749	1000	0.0601	735	526	42.9
1x400	6/10	22.8	30.2	35	38	42	4638	1000	0.047	845	590	57.2
1x500	6/10	26.1	33.5	38	41	45	5723	500	0.0366	961	668	71.5
1x630	6/10	29.9	38.5	43	46	50	7336	500	0.0283	1078	734	90.1
1x50	8.7/15	8.2	18.7	24	24	28	1112	1000	0.387	238	196	7.2
1x70	8.7/15	9.8	19.3	24	25	29	1310	1000	0.268	296	239	10.0
1x95	8.7/15	11.3	21.4	26	27	31	1627	1000	0.193	361	285	13.6
1x120	8.7/15	12.8	22.3	27	24	33	1963	1000	0.153	407	366	17.2
1x150	8.7/15	14.2	23.7	28	29	33	2144	1000	0.124	473	361	21.5
1x185	8.7/15	15.7	25.2	30	32	36	2651	1000	0.0991	543	406	26.5
1x240	8.7/15	18.1	27.6	32	35	39	3302	1000	0.0754	641	469	34.3
1x300	8.7/15	20.2	30.2	36	38	42	3982	500	0.0601	735	526	42.9
1x400	8.7/15	22.8	32.4	37	40	44	4796	500	0.047	845	590	57.2
1x500	8.7/15	26.1	35.7	40	43	48	5891	500	0.0366	961	668	71.5
1x630	8.7/15	29.9	40.0	45	48	53	7462	250	0.0283	1078	734	90.1
1x50	12/20	8.2	19.6	24	27	30	1253	1000	0.387	238	196	7.2
1x70	12/20	9.8	21.2	26	27	31	1416	1000	0.268	296	239	10.0
1x95	12/20	11.3	22.8	28	30	34	1813	1000	0.193	361	285	13.6
1x120	12/20	12.8	24.3	29	31	36	2107	1000	0.153	417	323	17.2
1x150	12/20	14.2	25.6	30	33	37	2407	1000	0.124	473	361	21.5
1x185	12/20	15.7	27.2	32	34	39	2807	1000	0.0991	543	406	26.5
1x240	12/20	18.1	29.6	34	37	42	3476	1000	0.0754	641	469	34.3
1x300	12/20	20.2	31.7	37	39	44	4127	1000	0.0601	735	526	42.9
1x400	12/20	22.8	34.3	39	42	47	4976	500	0.047	845	590	57.2
1x500	12/20	26.1	37.6	42	45	50	6084	500	0.0366	961	668	71.5
1x630	12/20	29.9	41.9	47	50	55	7696	250	0.0283	1078	734	90.1
1x50	18/30	8.2	24.5	29	31	35	1568	1000	0.387	238	196	7.2
1x70	18/30	9.8	26.1	31	33	37	1842	1000	0.268	296	239	10.0
1x95	18/30	11.3	27.7	32	35	39	2181	1000	0.193	361	285	13.6
1x120	18/30	12.8	29.1	34	36	41	2497	1000	0.153	417	323	17.2
1x150	18/30	14.2	30.5	35	38	42	2790	1000	0.124	473	361	21.5
1x185	18/30	15.7	32.0	37	40	44	3235	1000	0.0991	543	406	26.5
1x240	18/30	18.1	34.4	39	42	46	3854	1000	0.0754	641	469	34.3
1x300	18/30	20.2	36.6	41	44	48	4501	500	0.0601	735	526	42.9
1x400	18/30	22.8	39.2	44	46	51	5385	500	0.047	845	590	57.2
1x500	18/30	26.1	42.5	47	50	55	6547	500	0.0366	961	668	71.5
1x630	18/30	29.9	47.4	52	55	60	8265	500	0.0283	1078	734	90.1

3.6/6(7.2) - 18/30(36) KV
CU/XLPE/CTS/PVC/DSTA/PVC- N2XSEYBY



Construction

- **Conductor**
  Plain annealed copper wire according to IEC 60228
  - Class 2 for Stranded Compacted Conductors
- **Conductor Screen**
  Extruded Semi Conductive Compound
- **Insulation**
  XLPE Compound
- **Insulation Screen**
  Extruded Semi Conductive Compound
- **Metallic Screen**
  Plain Annealed Copper Tapes
- **Filler**
  PP Yarn Filler
- **Separation Sheath**
  PVC ST2 Compound
- **Metallic Armour**
  Double Galvanized Steel Tapes
- **Sheath**
  PVC ST2 Compound

Special Feature On Request

- EPR Insulation
- Flame Retardant Cat.A,B,C
- Flame Retardant Non Category
- Anti-termite
- Anti-Rodent
- Oil Resistance
- UV Resistance
- Low Smoke Zero Halogen

Cores Identification

- Brown,Black,Grey

Others colours available upon request

Applicable Standards

SNI IEC 60502-2	Design and Test Guidelines
IEC 60502-2	Design and Test Guidelines
IEC 60228	Conductor
IEC 60332-1	Flame Retardant
IEC 60332-3-22	Flame Retardant Cat. A
IEC 60332-3-23	Flame Retardant Cat. B
IEC 60332-3-24	Flame Retardant Cat. C

IEC 60332-1
IEC 60332-3-22
IEC 60332-3-23
IEC 60332-3-24

STANDARD

EXCELLENT

0 °C

14 D

NORMAL OPERATION TEMPERATURE

SHORT CIRCUIT TEMPERATURE

3.6/6(7.2) – 18/30(36) KV
CU/XLPE/CTS/PVC/DSTA/PVC– N2XSEYBY

DIMENSION & ELECTRICAL DATA

Cross Section (mm²)	Tension Uo/U (kV)	Conductor Diameter (mm)	Insulation Diameter (mm)	Sep. Sheath Diameter (mm)	Armour Diameter (mm)	Outer Sheath Diameter (mm)	Cable Weigth (kg/km)	Packaging (m)	Max.DC Resistance at 20°C (Ω/km)	Current Rating in air at 30°C (A)	Current Rating in Ground at 20°C (A)	Short Circuit Current For 1s (kA)
3x50	3.6/6	8.2	16.2	42	44	48	3592	1000	0.387	205	181	7.2
3x70	3.6/6	9.8	16.8	43	45	50	4167	1000	0.268	253	220	10.0
3x95	3.6/6	11.3	18.3	46	49	53	5167	1000	0.193	307	263	13.6
3x120	3.6/6	12.8	19.8	49	52	57	6057	500	0.153	352	298	17.2
3x150	3.6/6	14.2	21.6	53	56	62	7667	500	0.124	397	332	21.5
3x185	3.6/6	15.7	23.2	57	59	65	8427	500	0.0991	453	374	26.5
3x240	3.6/6	18.1	25.6	62	64	71	10554	250	0.0754	529	431	34.3
3x300	3.6/6	20.2	27.2	66	68	75	12330	250	0.0601	599	482	42.9
3x50	6/10	8.2	16.6	42	45	49	3692	1000	0.387	205	181	7.2
3x70	6/10	9.8	17.2	43	46	51	4317	1000	0.268	253	220	10.0
3x95	6/10	11.3	18.7	47	49	55	5151	500	0.193	307	263	13.6
3x120	6/10	12.8	20.2	50	52	58	6208	500	0.153	352	298	17.2
3x150	6/10	14.2	21.6	53	55	62	7240	500	0.124	397	332	21.5
3x185	6/10	15.7	23.1	56	59	65	8343	500	0.0991	453	374	26.5
3x240	6/10	18.1	26.0	63	65	72	10656	250	0.0754	529	431	34.3
3x300	6/10	20.2	27.6	67	69	76	12496	250	0.0601	599	482	42.9
3x50	8.7/15	8.2	17.7	44	47	52	3907	500	0.387	205	181	7.2
3x70	8.7/15	9.8	19.3	48	51	57	4912	500	0.268	253	220	10.0
3x95	8.7/15	11.3	20.9	0	54	60	6707	500	0.193	307	263	13.6
3x120	8.7/15	12.8	20.7	51	54	59	6438	500	0.153	352	298	17.2
3x150	8.7/15	14.2	23.7	58	60	66	7673	500	0.124	397	332	21.5
3x185	8.7/15	15.7	23.6	58	60	66	8636	500	0.0991	453	374	26.5
3x240	8.7/15	18.1	27.6	66	69	76	11018	250	0.0754	529	431	34.3
3x300	8.7/15	20.2	28.1	68	70	77	12759	250	0.0601	599	482	42.9
3x50	12/20	8.2	20.6	51	53	59	4662	1000	0.387	205	181	7.2
3x70	12/20	9.8	21.7	54	56	62	5442	500	0.268	253	220	10.0
3x95	12/20	11.3	23.3	57	59	65	6440	500	0.193	307	263	13.6
3x120	12/20	12.8	24.8	60	63	69	7419	250	0.153	352	298	17.2
3x150	12/20	14.2	26.1	63	66	72	8450	250	0.124	397	332	21.5
3x185	12/20	15.7	27.6	67	69	76	9794	250	0.0991	453	374	26.5
3x240	12/20	18.1	30.1	72	76	83	12704	250	0.0754	529	431	34.3
3x300	12/20	20.2	32.2	77	81	88	14820	250	0.0601	599	482	42.9
3x50	18/30	8.2	25.0	61	63	69	5894	250	0.387	205	181	7.2
3x70	18/30	9.8	26.1	63	66	72	6560	500	0.268	253	220	10.0
3x95	18/30	11.3	27.7	67	69	76	7630	500	0.193	307	263	13.6
3x120	18/30	12.8	34.7	82	86	94	11327	250	0.153	352	298	17.2
3x150	18/30	14.2	36.0	86	90	98	12523	250	0.124	397	332	21.5
3x185	18/30	15.7	32.5	78	82	89	12271	250	0.0991	453	374	26.5
3x240	18/30	18.1	34.9	83	87	95	14542	250	0.0754	529	431	34.3
3x300	18/30	20.2	37.0	88	92	100	16758	250	0.0601	599	482	42.9

3.6/6(7.2) - 18/30(36) KV
CU/XLPE/CTS/PVC/AWA/PVC- N2XSYR(AL)Y

Construction

- **Conductor**
  Plain annealed copper wire according to IEC 60228
  - Class 2 for Stranded Compacted Conductors
- **Conductor Screen**
  Extruded Semi Conductive Compound
- **Insulation**
  XLPE Compound
- **Insulation Screen**
  Extruded Semi Conductive Compound
- **Metallic Screen**
  Plain Annealed Copper Tapes
- **Separation Sheath**
  PVC Compound ST 2
- **Metallic Armour**
  Aluminium Wires Armour
- **Sheath**
  PVC Compound ST 2

Special Feature On Request

- EPR Insulation
- Flame Retardant Cat.A,B,C
- Flame Retardant Non Category
- Anti-termite
- Anti-Rodent
- Oil Resistance
- UV Resistance
- Low Smoke Zero Halogen

Cores Identification

- Not Aplicable

Applicable Standards

• SNI IEC 60502-2	Design and Test Guidelines
• IEC 60502-2	Design and Test Guidelines
• IEC 60228	Conductor
• IEC 60332-1	Flame Retardant
• IEC 60332-3-22	Flame Retardant Cat. A
• IEC 60332-3-23	Flame Retardant Cat. B
• IEC 60332-3-24	Flame Retardant Cat. C


IEC 60332-1
IEC 60332-3-22
IEC 60332-3-23
IEC 60332-3-24


STANDARD


EXCELLENT


0 °C


14 D

NORMAL OPERATION TEMPERATURE

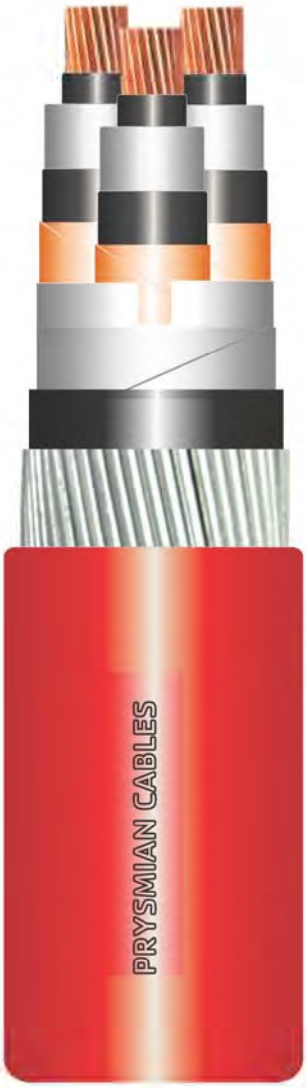
SHORT CIRCUIT TEMPERATURE

3.6/6(7.2) – 18/30(36) KV
CU/XLPE/CTS/PVC/AWA/PVC– N2XSYR(AL)Y

DIMENSION & ELECTRICAL DATA

Cross Section (mm²)	Tension Uo/U (kV)	Conductor Diameter (mm)	Insulation Diameter (mm)	Sep. Sheath Diameter (mm)	Armour Diameter (mm)	Outer Sheath Diameter (mm)	Cable Weigth (kg/km)	Packaging (m)	Max.DC Resistance at 20°C (Ω/km)	Current Rating in air at 30°C (A)	Current Rating in Ground at 20°C (A)	Short Circuit Current for 1s (kA)
1x50	3.6/6	8.2	16.2	21	24	28	1181	1000	0.387	238	196	7.2
1x70	3.6/6	9.8	16.8	22	24	28	1351	500	0.268	296	239	10.0
1x95	3.6/6	11.3	18.3	23	26	30	1672	1000	0.193	361	285	13.6
1x120	3.6/6	12.8	19.8	25	29	33	2032	1000	0.153	417	323	17.2
1x150	3.6/6	14.2	21.6	26	30	34	2285	1000	0.124	473	361	21.5
1x185	3.6/6	15.7	23.2	28	32	37	2759	1000	0.0991	543	406	26.5
1x240	3.6/6	18.1	25.6	30	34	39	3373	1000	0.0754	641	469	34.3
1x300	3.6/6	20.2	27.6	33	37	42	4040	1000	0.0601	735	526	42.9
1x400	3.6/6	22.8	29.8	35	39	44	4899	1000	0.047	845	590	57.2
1x500	3.6/6	26.1	33.5	39	44	49	6186	500	0.0366	961	668	71.5
1x630	3.6/6	29.9	38.0	43	48	54	7782	500	0.0283	1078	734	90.1
1x50	6/10	8.2	16.6	21	24	28	1204	1000	0.387	238	196	7.2
1x70	6/10	9.8	17.2	22	25	28	1387	1000	0.268	296	239	10.0
1x95	6/10	11.3	18.7	23	26	30	1680	1000	0.193	361	285	13.6
1x120	6/10	12.8	20.2	25	29	33	2051	1000	0.153	417	323	17.2
1x150	6/10	14.2	22.0	27	31	35	2390	1000	0.124	473	361	21.5
1x185	6/10	15.7	23.1	28	32	36	2760	1000	0.0991	543	406	26.5
1x240	6/10	18.1	26.0	31	35	39	3415	1000	0.0754	641	469	34.3
1x300	6/10	20.2	28.1	33	37	42	4048	1000	0.0601	735	526	42.9
1x400	6/10	22.8	30.7	36	41	46	5118	1000	0.047	845	590	57.2
1x500	6/10	26.1	34.0	39	44	49	6231	500	0.0366	961	668	71.5
1x630	6/10	29.9	38.5	43	48	54	7854	500	0.0283	1078	734	90.1
1x50	8.7/15	8.2	18.7	23	27	31	1333	500	0.387	238	196	7.2
1x70	8.7/15	9.8	19.3	23	27	30	1483	500	0.268	296	239	10.0
1x95	8.7/15	11.3	21.4	26	30	34	1978	500	0.193	361	285	13.6
1x120	8.7/15	12.8	22.3	27	31	35	2205	500	0.153	417	323	17.2
1x150	8.7/15	14.2	23.7	28	32	36	2519	500	0.124	473	361	21.5
1x185	8.7/15	15.7	25.7	30	34	39	2940	1000	0.0991	543	406	26.5
1x240	8.7/15	18.1	27.6	33	37	42	3629	1000	0.0754	641	469	34.3
1x300	8.7/15	20.2	29.8	35	39	44	4264	1000	0.0601	735	526	42.9
1x400	8.7/15	22.8	32.8	38	43	48	5326	500	0.047	845	590	57.2
1x500	8.7/15	26.1	36.1	41	46	52	6513	500	0.0366	961	668	71.5
1x630	8.7/15	29.9	40.0	45	50	56	7985	500	0.0283	1078	734	90.1
1x50	12/20	8.2	20.6	25	29	33	1460	1000	0.387	238	196	7.2
1x70	12/20	9.8	21.7	26	30	34	1769	1000	0.268	296	239	10.0
1x95	12/20	11.3	22.8	28	32	36	2053	1000	0.193	361	285	13.6
1x120	12/20	12.8	24.3	29	33	38	2360	1000	0.153	417	323	17.2
1x150	12/20	14.2	25.6	30	34	39	2661	1000	0.124	473	361	21.5
1x185	12/20	15.7	27.6	32	36	41	3109	1000	0.0991	543	406	26.5
1x240	12/20	18.1	30.1	35	39	44	3817	1000	0.0754	641	469	34.3
1x300	12/20	20.2	32.2	38	43	48	4592	1000	0.0601	735	526	42.9
1x400	12/20	22.8	34.8	40	45	50	5518	500	0.047	845	590	57.2
1x500	12/20	26.1	38.1	43	48	54	6661	500	0.0366	961	668	71.5
1x630	12/20	29.9	41.9	47	52	58	8262	500	0.0283	1078	734	90.1
1x50	18/30	8.2	25.5	30	34	39	1899	1000	0.387	238	196	7.2
1x70	18/30	9.8	26.6	31	35	39	2117	1000	0.268	296	239	10.0
1x95	18/30	11.3	27.7	33	37	42	2469	1000	0.193	361	285	13.6
1x120	18/30	12.8	29.1	34	38	43	2768	1000	0.153	417	323	17.2
1x150	18/30	14.2	30.5	36	41	46	3237	1000	0.124	473	361	21.5
1x185	18/30	15.7	32.0	37	42	48	3661	500	0.0991	543	406	26.5
1x240	18/30	18.1	34.4	40	45	50	4360	500	0.0754	641	469	34.3
1x300	18/30	20.2	37.0	42	47	53	5063	1000	0.0601	735	526	42.9
1x400	18/30	22.8	39.2	44	49	55	5943	500	0.047	845	590	57.2
1x500	18/30	26.1	42.9	48	53	59	7168	500	0.0366	961	668	71.5
1x630	18/30	29.9	47.4	53	58	64	8853	500	0.0283	1078	734	90.1

3.6/6(7.2) – 18/30(36) KV
CU/XLPE/CTS/PVC/SWA/PVC– N2XSEYRY



Construction

- **Conductor**
  Plain annealed copper wire according to IEC 60228
  - Class 2 for Stranded Compacted Conductors
- **Conductor Screen**
  Extruded Semi Conductive Compound
- **Insulation**
  XLPE Compound
- **Insulation Screen**
  Extruded Semi Conductive Compound
- **Metallic Screen**
  Plain Annealed Copper Tapes
- **Filler**
  PP Yarn Filler
- **Separation Sheath**
  PVC ST2 Compound
- **Mettallic Armour**
  Galvanized Steel Wires Armour
- **Sheath**
  PVC ST2 Compound

Special Feature On Request

- EPR Insulation
- Flame Retardant Cat.A,B,C
- Flame Retardant Non Category
- Anti-termite
- Anti-Rodent
- Oil Resistance
- UV Resistance
- Low Smoke Zero Halogen

Cores Identification

- Brown,Black,Grey

Others colour available upon request

Applicable Standards

SNI IEC 60502-2	Design and Test Guidelines
IEC 60502-2	Design and Test Guidelines
IEC 60228	Conductor
IEC 60332-1	Flame Retardant
IEC 60332-3-22	Flame Retardant Cat. A
IEC 60332-3-23	Flame Retardant Cat. B
IEC 60332-3-24	Flame Retardant Cat. C

IEC 60332-1
IEC 60332-3-22
IEC 60332-3-23
IEC 60332-3-24

STANDARD

EXCELLENT

0 °C

14 D

NORMAL OPERATION TEMPERATURE

SHORT CIRCUIT TEMPERATURE

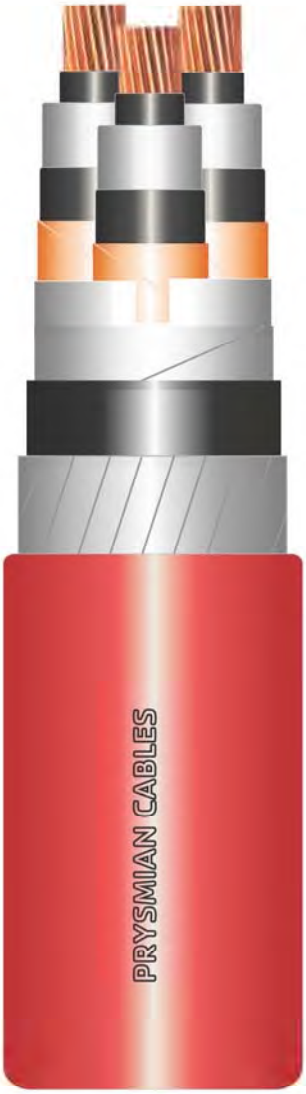
3.6/6(7.2) – 18/30(36) KV
CU/XLPE/CTS/PVC/SWA/PVC– N2XSEYRY

DIMENSION & ELECTRICAL DATA

Cross Section (mm²)	Tension Uo/U (kV)	Conductor Diameter (mm)	Insulation Diameter (mm)	Sep. Sheath Diameter (mm)	Armour Diameter (mm)	Outer Sheath Diameter (mm)	Cable Weigth (kg/km)	Packaging (m)	Max.DC Resistance at 20°C (Ω/km)	Current Rating in air at 30°C (A)	Current Rating in Ground at 20°C (A)	Short Circuit Current for 1s (kA)
3x50	3.6/6	8.2	16.2	41	46	52	4797	500	0.387	205	181	7.2
3x70	3.6/6	9.8	16.8	43	48	53	5424	500	0.268	253	220	10.0
3x95	3.6/6	11.3	18.3	46	51	57	6626	500	0.193	307	263	13.6
3x120	3.6/6	12.8	20.3	50	55	61	7628	500	0.153	352	298	17.2
3x150	3.6/6	14.2	21.6	53	58	65	8745	250	0.124	397	332	21.5
3x185	3.6/6	15.7	22.7	55	60	67	9888	500	0.0991	453	374	26.5
3x240	3.6/6	18.1	25.1	61	67	74	12666	250	0.0754	529	431	34.3
3x300	3.6/6	20.2	27.2	66	72	79	14875	250	0.0601	599	482	42.9
3x50	6/10	8.2	16.6	42	47	53	4985	1000	0.387	205	181	7.2
3x70	6/10	9.8	17.6	45	50	56	5739	500	0.268	253	220	10.0
3x95	6/10	11.3	19.2	48	53	59	6810	500	0.193	307	263	13.6
3x120	6/10	12.8	20.7	51	56	62	7777	500	0.153	352	298	17.2
3x150	6/10	14.2	22.0	54	59	66	8828	500	0.124	397	332	21.5
3x185	6/10	15.7	23.6	58	63	69	10170	500	0.0991	453	374	26.5
3x240	6/10	18.1	26.0	63	69	76	13147	250	0.0754	529	431	34.3
3x300	6/10	20.2	28.1	68	74	81	15357	250	0.0601	599	482	42.9
3x50	8.7/15	8.2	18.7	47	52	58	5491	500	0.387	205	181	7.2
3x70	8.7/15	9.8	19.8	49	54	60	6330	500	0.268	253	220	10.0
3x95	8.7/15	11.3	21.4	53	58	64	7468	500	0.193	307	263	13.6
3x120	8.7/15	12.8	22.8	56	61	68	8566	250	0.153	352	298	17.2
3x150	8.7/15	14.2	23.7	58	64	71	10186	250	0.124	397	332	21.5
3x185	8.7/15	15.7	25.2	61	67	75	11675	250	0.0991	453	374	26.5
3x240	8.7/15	18.1	27.6	67	73	81	13919	250	0.0754	529	431	34.3
3x300	8.7/15	20.2	29.8	71	78	86	16182	250	0.0601	599	482	42.9
3x50	12/20	8.2	20.6	51	56	62	6093	500	0.387	205	181	7.2
3x70	12/20	9.8	21.2	52	57	65	7015	500	0.268	253	220	10.0
3x95	12/20	11.3	22.8	56	61	68	7894	500	0.193	307	263	13.6
3x120	12/20	12.8	24.8	60	67	74	10087	250	0.153	352	298	17.2
3x150	12/20	14.2	26.1	63	70	77	11251	250	0.124	397	332	21.5
3x185	12/20	15.7	27.6	67	73	81	12533	250	0.0991	453	374	26.5
3x240	12/20	18.1	30.1	72	78	86	15007	250	0.0754	529	431	34.3
3x300	12/20	20.2	31.7	76	82	90	17071	250	0.0601	599	482	42.9
3x50	18/30	8.2	25.5	62	68	75	8449	500	0.387	205	181	7.2
3x70	18/30	9.8	26.1	63	70	77	9390	250	0.268	253	220	10.0
3x95	18/30	11.3	28.2	68	74	82	10612	250	0.193	307	263	13.6
3x120	18/30	12.8	29.1	70	76	84	11495	250	0.153	352	298	17.2
3x150	18/30	14.2	30.5	75	81	90	13172	250	0.124	397	332	21.5
3x185	18/30	15.7	32.5	78	84	92	14458	250	0.0991	453	374	26.5
3x240	18/30	18.1	34.9	83	89	98	16955	250	0.0754	529	431	34.3
3x300	18/30	20.2	37.0	88	94	103	19023	250	0.0601	599	482	42.9

3.6/6(7.2) - 18/30(36) KV

CU/XLPE/CTS/PVC/SFA/PVC- N2XSEYFY



Construction

- **Conductor**
  Plain annealed copper wire according to IEC 60228
  - Class 2 for Stranded Compacted Conductors
- **Conductor Screen**
  Extruded Semi Conductive Compound
- **Insulation**
  XLPE Compound
- **Insulation Screen**
  Extruded Semi Conductive Compound
- **Metallic Screen**
  Plain Annealed Copper Tapes
- **Filler**
  PP Yarn Filler
- **Separation Sheath**
  PVC ST2 Compound
- **Metallic Armour**
  Galvanized Steel Flat Armour
- **Sheath**
  PVC ST2 Compound

Special Feature On Request

- EPR Insulation
- Flame Retardant Cat.A,B,C
- Flame Retardant Non Category
- Anti-termite
- Anti-Rodent
- Oil Resistance
- UV Resistance
- Low Smoke Zero Halogen

Cores Identification

- Brown,Black,Grey

Others colour available upon request

Applicable Standards

SNI IEC 60502-2	Design and Test Guidelines
IEC 60502-2	Design and Test Guidelines
IEC 60228	Conductor
IEC 60332-1	Flame Retardant
IEC 60332-3-22	Flame Retardant Cat. A
IEC 60332-3-23	Flame Retardant Cat. B
IEC 60332-3-24	Flame Retardant Cat. C

IEC 60332-1 IEC 60332-3-22 IEC 60332-3-23 IEC 60332-3-24	STANDARD	EXCELLENT	0 °C	14 D		90°C NORMAL OPERATION TEMPERATURE	250°C SHORT CIRCUIT TEMPERATURE

3.6/6(7.2) – 18/30(36) KV
CU/XLPE/CTS/PVC/SFA/PVC– N2XSEYFY

DIMENSION & ELECTRICAL DATA

Cross Section (mm²)	Tension Uo/U (kV)	Conductor Diameter (mm)	Insulation Diameter (mm)	Sep. Sheath Diameter (mm)	Armour Diameter (mm)	Outer Sheath Diameter (mm)	Cable Weigth (kg/km)	Packaging (m)	Max.DC Resistance at 20°C (Ω/km)	Current Rating in air at 30°C (A)	Current Rating in Ground at 20°C (A)	Short Circuit Current for 1s (kA)
3x50	3.6/6	8.2	16.2	42	43	48	3729	1000	0.387	205	181	7.2
3x70	3.6/6	9.8	17.2	44	45	51	4845	1000	0.268	253	220	10.0
3x95	3.6/6	11.3	18.3	46	48	53	5422	500	0.193	307	263	13.6
3x120	3.6/6	12.8	20.3	51	52	58	6352	500	0.153	352	298	17.2
3x150	3.6/6	14.2	21.6	53	55	61	7334	500	0.124	397	332	21.5
3x185	3.6/6	15.7	23.2	57	58	65	8685	500	0.0991	453	374	26.5
3x240	3.6/6	18.1	25.6	62	64	70	10601	250	0.0754	529	431	34.3
3x300	3.6/6	20.2	27.7	67	68	75	12655	250	0.0601	599	482	42.9
3x50	6/10	8.2	15.6	40	42	47	3657	1000	0.387	205	181	7.2
3x70	6/10	9.8	17.2	44	45	51	4529	1000	0.268	253	220	10.0
3x95	6/10	11.3	18.7	47	48	54	5671	500	0.193	307	263	13.6
3x120	6/10	12.8	20.2	50	52	58	6435	500	0.153	352	298	17.2
3x150	6/10	14.2	21.6	53	55	61	7342	500	0.124	397	332	21.5
3x185	6/10	15.7	23.1	56	58	65	9193	500	0.0991	453	374	26.5
3x240	6/10	18.1	25.5	62	63	70	10539	250	0.0754	529	431	34.3
3x300	6/10	20.2	27.6	67	68	76	12680	250	0.0601	599	482	42.9
3x50	8.7/15	8.2	18.7	47	49	54	4380	500	0.387	205	181	7.2
3x70	8.7/15	9.8	19.3	48	50	56	4977	500	0.268	253	220	10.0
3x95	8.7/15	11.3	20.9	51	53	59	5992	500	0.193	307	263	13.6
3x120	8.7/15	12.8	22.8	56	58	64	7062	500	0.153	352	298	17.2
3x150	8.7/15	14.2	23.7	58	59	66	7877	500	0.124	397	332	21.5
3x185	8.7/15	15.7	25.2	61	63	70	9179	500	0.0991	453	374	26.5
3x240	8.7/15	18.1	27.6	67	68	76	11246	250	0.0754	529	431	34.3
3x300	8.7/15	20.2	29.8	71	73	81	13313	250	0.0601	599	482	42.9
3x50	12/20	8.2	20.6	51	53	59	4828	500	0.387	205	181	7.2
3x70	12/20	9.8	21.2	52	54	60	5408	500	0.268	253	220	10.0
3x95	12/20	11.3	23.3	57	59	65	6587	500	0.193	307	263	13.6
3x120	12/20	12.8	24.8	60	62	69	7579	250	0.153	352	298	17.2
3x150	12/20	14.2	25.6	62	64	71	8434	250	0.124	397	332	21.5
3x150	12/20	14.2	26.1	63	65	72	8784	250	0.124	397	332	21.5
3x240	12/20	18.1	30.1	72	74	81	12232	250	0.0754	529	431	34.3
3x300	12/20	20.2	32.2	81	83	91	14945	250	0.0601	599	482	42.9
3x50	18/30	8.2	24.5	60	61	68	6112	500	0.387	205	181	7.2
3x70	18/30	9.8	26.6	64	66	73	7306	500	0.268	253	220	10.0
3x95	18/30	11.3	28.2	68	69	77	8386	500	0.193	307	263	13.6
3x120	18/30	12.8	29.6	71	73	80	9480	500	0.153	352	298	17.2
3x150	18/30	14.2	31.0	74	76	83	10572	250	0.124	397	332	21.5
3x185	18/30	15.7	32.5	78	79	87	11959	250	0.0991	453	374	26.5
3x240	18/30	18.1	34.9	83	85	93	14245	250	0.0754	529	431	34.3
3x300	18/30	20.2	37.0	88	89	98	16476	250	0.0601	599	482	42.9

3.6/6(7.2) - 18/30(36) KV
CU/XLPE/CTS/PVC/LS/PVC- N2XSKY

Construction

- **Conductor**
  Plain annealed copper wire according to IEC 60228
  - Class 2 for Stranded Compacted Conductors
- **Conductor Screen**
  Extruded Semi Conductive Compound
- **Insulation**
  XLPE Compound
- **Insulation Screen**
  Extruded Semi Conductive Compound
- **Metallic Screen**
  Plain Annealed Copper Tapes
- **Separation Sheath**
  PVC Compound ST 2
- **Metallic Sheath**
  Lead Alloy Sheath
- **Sheath**
  PVC Compound ST 2

Special Feature On Request

- EPR Insulation
- Flame Retardant Cat.A,B,C
- Flame Retardant Non Category
- Anti-termite
- Anti-Rodent
- Oil Resistance
- UV Resistance
- Low Smoke Zero Halogen

Cores Identification

- Not Aplicable

Applicable Standards

SNI IEC 60502-2	Design and Test Guidelines
IEC 60502-2	Design and Test Guidelines
IEC 60228	Conductor
IEC 60332-1	Flame Retardant
IEC 60332-3-22	Flame Retardant Cat. A
IEC 60332-3-23	Flame Retardant Cat. B
IEC 60332-3-24	Flame Retardant Cat. C

IEC 60332-1
IEC 60332-3-22
IEC 60332-3-23
IEC 60332-3-24

STANDARD

EXCELLENT

0 °C

14 D

NORMAL OPERATION TEMPERATURE

SHORT CIRCUIT TEMPERATURE

3.6/6(7.2) – 18/30(36) KV
CU/XLPE/CTS/PVC/LS/PVC– N2XSKY

DIMENSION & ELECTRICAL DATA

Cross Section (mm²)	Tension Uo/U (kV)	Conductor Diameter (mm)	Insulation Diameter (mm)	Sep. Sheath Diameter (mm)	Metallic Sheath Diameter (mm)	Outer Sheath Diameter (mm)	Cable Weigth (kg/km)	Packaging (m)	Max.DC Resistance at 20°C (Ω/km)	Current Rating in air at 30°C (A)	Current Rating in Ground at 20°C (A)	Short Circuit Current for 1s (kA)
1x50	3.6/6	8.2	16.2	21	25	28	2428	1000	0.3870	238	196	7.2
1x70	3.6/6	9.8	16.8	22	26	29	2707	1000	0.2680	296	239	10.0
1x95	3.6/6	11.3	18.3	23	27	31	3101	1000	0.1930	361	285	13.6
1x120	3.6/6	12.8	19.8	24	29	32	3453	1000	0.1530	417	323	17.2
1x150	3.6/6	14.2	21.6	26	30	34	3839	1000	0.1240	473	361	21.5
1x185	3.6/6	15.7	23.1	27	32	35	4299	1000	0.0991	543	406	26.5
1x240	3.6/6	18.1	25.6	30	34	38	5065	500	0.0754	641	469	34.3
1x300	3.6/6	20.2	27.6	32	36	40	5796	500	0.0601	735	526	42.9
1x400	3.6/6	22.8	30.3	36	39	43	6776	500	0.0470	845	590	57.2
1x500	3.6/6	26.1	33.6	39	42	47	8227	500	0.0366	961	668	71.5
1x630	3.6/6	29.9	37.5	43	46	51	10115	250	0.0283	1078	734	90.1
1x50	6/10	8.2	16.6	21	25	28	2473	1000	0.3870	238	196	7.2
1x70	6/10	9.8	17.2	22	26	30	2765	1000	0.2680	296	239	10.0
1x95	6/10	11.3	18.7	23	28	31	3147	1000	0.1930	361	285	13.6
1x120	6/10	12.8	20.2	25	29	33	3514	1000	0.1530	417	323	17.2
1x150	6/10	14.2	21.6	26	31	34	3886	1000	0.1240	473	361	21.5
1x185	6/10	15.7	23.1	27	32	36	4363	1000	0.0991	543	406	26.5
1x240	6/10	18.1	25.5	30	35	39	5132	500	0.0754	641	469	34.3
1x300	6/10	20.2	27.6	32	37	41	5866	500	0.0601	735	526	42.9
1x400	6/10	22.8	30.2	35	40	44	7037	500	0.0470	845	590	57.2
1x500	6/10	26.1	33.5	38	43	48	8436	500	0.0366	961	668	71.5
1x630	6/10	29.9	38.5	43	47	52	10342	250	0.0283	1078	734	90.1
1x50	8.7/15	8.2	18.7	24	27	31	2721	1000	0.3870	238	196	7.2
1x70	8.7/15	9.8	19.3	24	28	32	3019	1000	0.2680	296	239	10.0
1x95	8.7/15	11.3	21.4	26	30	34	3407	1000	0.1930	361	285	13.6
1x120	8.7/15	12.8	22.3	27	31	35	3780	1000	0.1530	417	323	17.2
1x150	8.7/15	14.2	23.7	28	33	37	4157	1000	0.1240	473	361	21.5
1x185	8.7/15	15.7	25.2	30	34	38	4640	1000	0.0991	543	406	26.5
1x240	8.7/15	18.1	27.6	32	37	41	5419	500	0.0754	641	469	34.3
1x300	8.7/15	20.2	30.2	36	39	43	6142	500	0.0601	735	526	42.9
1x400	8.7/15	22.8	32.4	37	42	46	7351	500	0.0470	845	590	57.2
1x500	8.7/15	26.1	35.7	40	45	50	8769	500	0.0366	961	668	71.5
1x630	8.7/15	29.9	40.0	45	49	54	10697	250	0.0283	1078	734	90.1
1x50	12/20	8.2	19.6	24	29	33	2955	1000	0.3870	238	196	7.2
1x70	12/20	9.8	21.2	26	30	34	3242	1000	0.2680	296	239	10.0
1x95	12/20	11.3	22.8	28	32	36	3651	1000	0.1930	361	285	13.6
1x120	12/20	12.8	24.3	29	33	37	4013	1000	0.1530	417	323	17.2
1x150	12/20	14.2	25.6	30	35	39	4411	1000	0.1240	473	361	21.5
1x185	12/20	15.7	27.2	32	36	41	4901	1000	0.0991	543	406	26.5
1x240	12/20	18.1	29.6	34	39	43	5668	500	0.0754	641	469	34.3
1x300	12/20	20.2	31.7	37	41	45	6564	500	0.0601	735	526	42.9
1x400	12/20	22.8	34.3	39	44	49	7779	500	0.0470	845	590	57.2
1x500	12/20	26.1	37.6	42	47	52	9225	500	0.0366	961	668	71.5
1x630	12/20	29.9	41.9	47	51	57	11212	250	0.0283	1078	734	90.1
1x50	18/30	8.2	24.5	29	34	38	3566	1000	0.3870	238	196	7.2
1x70	18/30	9.8	26.1	31	35	39	3862	1000	0.2680	296	239	10.0
1x95	18/30	11.3	27.7	32	37	41	4416	1000	0.1930	361	285	13.6
1x120	18/30	12.8	29.1	34	38	43	4796	1000	0.1530	417	323	17.2
1x150	18/30	14.2	30.5	35	40	45	5355	500	0.1240	473	361	21.5
1x185	18/30	15.7	32.0	37	42	46	5848	500	0.0991	543	406	26.5
1x240	18/30	18.1	34.4	39	44	49	6831	500	0.0754	641	469	34.3
1x300	18/30	20.2	36.6	41	47	52	7954	500	0.0601	735	526	42.9
1x400	18/30	22.8	39.2	44	50	55	9250	500	0.0470	845	590	57.2
1x500	18/30	26.1	42.5	47	53	58	10600	250	0.0366	961	668	71.5
1x630	18/30	29.9	47.4	52	57	62	12682	250	0.0283	1078	734	90.1

3.6/6(7.2) - 18/30(36) KV
CU/XLPE/CTS/LS/PVC- N2XSEKY

Construction

- **Conductor**
  Plain annealed copper wire according to IEC 60228
  - Class 2 for Stranded ompacted Conductors
- **Conductor Screen**
  Extruded Semi Conductive Compound
- **Insulation**
  XLPE Compound
- **Insulation Screen**
  Extruded Semi Conductive Compound
- **Metallic Screen**
  Plain Annealed Copper Tapes
- **Filler**
  PP Yarn Filler
- **Metallic Sheath**
  Lead Alloy Sheath
- **Sheath**
  PVC ST2 Compound

Special Feature On Request

- EPR Insulation
- Flame Retardant Cat.A,B,C
- Flame Retardant Non Category
- Anti-termite
- Anti-Rodent
- Oil Resistance
- UV Resistance
- Low Smoke Zero Halogen

Cores Identification

- Brown,Black,Grey

Others colours available upon request

Applicable Standards

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IEC 60502-2	Design and Test Guidelines
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IEC 60332-1	Flame Retardant
IEC 60332-3-22	Flame Retardant Cat. A
IEC 60332-3-23	Flame Retardant Cat. B
IEC 60332-3-24	Flame Retardant Cat. C

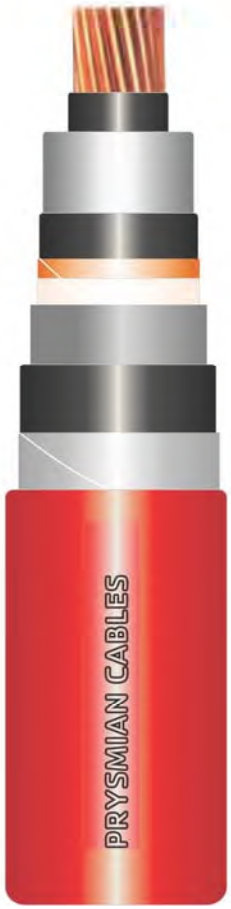
IEC 60332-1 IEC 60332-3-22 IEC 60332-3-23 IEC 60332-3-24	STANDARD	EXCELLENT	0 °C	14 D	NORMAL OPERATION TEMPERATURE	SHORT CIRCUIT TEMPERATURE
					90°C	250°C

3.6/6(7.2) – 18/30(36) KV
CU/XLPE/CTS/LS/PVC– N2XSEKY

DIMENSION & ELECTRICAL DATA

Cross Section (mm²)	Tension Uo/U (kV)	Conductor Diameter (mm)	Insulation Diameter (mm)	Metallic Sheath Diamater (mm)	Outer Sheath Diameter (mm)	Cable Weigth (kg/km)	Packaging (m)	Max.DC Resistance at 20°C (Ω/km)	Current Rating in air at 30°C (A)	Current Rating in Ground at 20°C (A)	Short Circuit Current for 1s (kA)
3x50	3.6/6	8.2	16	42	47	5241	500	0.387	205	181	7.2
3x70	3.6/6	9.8	17	45	49	6212	500	0.268	253	220	10.0
3x95	3.6/6	11.4	19	48	53	7521	500	0.193	307	263	13.6
3x120	3.6/6	12.9	21	52	57	8753	500	0.153	352	298	17.2
3x150	3.6/6	14.3	22	55	60	10076	250	0.124	397	332	21.5
3x185	3.6/6	15.8	23	59	64	11901	250	0.0991	453	374	26.5
3x240	3.6/6	18.3	26	64	70	14485	250	0.0754	529	431	34.3
3x300	3.6/6	20.4	28	69	76	17252	250	0.0601	599	482	42.9
3x50	6/10	8.2	17	43	48	5528	500	0.387	205	181	7.2
3x70	6/10	9.8	18	46	51	6539	500	0.268	253	220	10.0
3x95	6/10	11.4	19	49	55	7847	500	0.193	307	263	13.6
3x120	6/10	12.9	21	53	58	9100	500	0.153	352	298	17.2
3x150	6/10	14.3	22	56	62	10643	250	0.124	397	332	21.5
3x185	6/10	15.8	24	60	66	12323	250	0.0991	453	374	26.5
3x240	6/10	18.3	26	65	71	14909	250	0.0754	529	431	34.3
3x300	6/10	20.4	28	70	77	17707	250	0.0601	599	482	42.9
3x50	8.7/15	8.2	19	48	53	6550	500	0.387	205	181	7.2
3x70	8.7/15	9.8	20	51	56	7617	500	0.268	253	220	10.0
3x95	8.7/15	11.4	22	55	60	9188	500	0.193	307	263	13.6
3x120	8.7/15	12.9	23	58	64	10518	250	0.153	352	298	17.2
3x150	8.7/15	14.3	24	61	67	11716	250	0.124	397	332	21.5
3x185	8.7/15	15.8	26	65	71	13419	250	0.0991	453	374	26.5
3x240	8.7/15	18.3	28	70	77	16362	250	0.0754	529	431	34.3
3x300	8.7/15	20.4	31	75	82	18999	250	0.0601	599	482	42.9
3x50	12/20	8.2	21	53	58	7420	500	0.387	205	181	7.2
3x70	12/20	9.8	22	55	61	8700	500	0.268	253	220	10.0
3x95	12/20	11.4	24	59	65	10138	250	0.193	307	263	13.6
3x120	12/20	12.9	25	62	69	11548	250	0.153	352	298	17.2
3x150	12/20	14.3	26	66	72	13011	250	0.124	397	332	21.5
3x185	12/20	15.8	28	69	76	14779	250	0.0991	453	374	26.5
3x240	12/20	18.3	30	75	82	17562	250	0.0754	529	431	34.3
3x300	12/20	20.4	33	79	87	20224	250	0.0601	599	482	42.9
3x50	18/30	8.2	26	64	70	10405	250	0.387	205	181	7.2
3x70	18/30	9.8	27	67	73	11613	250	0.268	253	220	10.0
3x95	18/30	11.4	28	70	77	13199	250	0.193	307	263	13.6
3x120	18/30	12.9	30	74	81	14755	250	0.153	352	298	17.2
3x150	18/30	14.3	31	77	84	16351	250	0.124	397	332	21.5
3x185	18/30	15.8	33	81	88	18262	250	0.0991	453	374	26.5
3x240	18/30	18.3	35	86	94	21559	250	0.0754	529	431	34.3
3x300	18/30	20.4	37	91	99	24419	250	0.0601	599	482	42.9

3.6/6(7.2) - 18/30(36) KV
CU/XLPE/CTS/LS/PVC/DATA/PVC- N2XSKB(AL)Y



Construction

- **Conductor**
  Plain annealed copper wire according to IEC 60228
  - Class 2 for Stranded ompacted Conductors
- **Conductor Screen**
  Extruded Semi Conductive Compound
- **Insulation**
  XLPE Compound
- **Insulation Screen**
  Extruded Semi Conductive Compound
- **Metallic Screen**
  Plain Annealed Copper Tapes
- **Metallic Sheath**
  Lead Alloy Sheath
- **Separation Sheath**
  PVC Compound ST 2
  Metallic Armour
  Double Aluminium Tapes
- **Sheath**
  PVC Compound ST 2

Special Feature On Request

- EPR Insulation
- Flame Retardant Cat.A,B,C
- Flame Retardant Non Category
- Anti-termite
- Anti-Rodent
- Oil Resistance
- UV Resistance
- Low Smoke Zero Halogen

Cores Identification

- Not Aplicable

Applicable Standards

SNI IEC 60502-2	Design and Test Guidelines
IEC 60502-2	Design and Test Guidelines
IEC 60228	Conductor
IEC 60332-1	Flame Retardant
IEC 60332-3-22	Flame Retardant Cat. A
IEC 60332-3-23	Flame Retardant Cat. B
IEC 60332-3-24	Flame Retardant Cat. C

IEC 60332-1 IEC 60332-3-22 IEC 60332-3-23 IEC 60332-3-24	STANDARD	EXCELLENT	0 °C	14 D	NORMAL OPERATION TEMPERATURE	SHORT CIRCUIT TEMPERATURE
					90°C	250°C

3.6/6(7.2) – 18/30(36) KV
CU/XLPE/CTS/LS/PVC/DATA/PVC– N2XSKB(AL)Y

DIMENSION & ELECTRICAL DATA

Cross Section (mm²)	Tension Uo/U (kV)	Conductor Diameter (mm)	Insulation Diameter (mm)	Metallic Sheath Diameter (mm)	Sep. Sheath Diameter (mm)	Armour Diameter (mm)	Outer Sheath Diameter (mm)	Cable Weigth (kg/km)	Packaging (m)	Max.DC Resistance at 20°C (Ω/km)	Current Rating in air at 30°C (A)	Current Rating in Ground at 20°C (A)	Short Circuit Current for 1s (kA)
1x50	3.6/6	8.2	16	22	25	28	31	2473	1000	0.387	238	196	7.2
1x70	3.6/6	9.8	17	23	26	29	32	2774	1000	0.268	296	239	10.0
1x95	3.6/6	11.4	19	25	28	30	34	3182	1000	0.193	361	285	13.6
1x120	3.6/6	12.9	21	26	29	32	35	3544	1000	0.153	417	323	17.2
1x150	3.6/6	14.3	22	28	31	33	37	3943	1000	0.124	473	361	21.5
1x185	3.6/6	15.8	23	29	32	35	38	4414	1000	0.099	543	406	26.5
1x240	3.6/6	18.3	26	31	35	37	41	5199	500	0.075	641	469	34.3
1x300	3.6/6	20.4	28	34	37	39	43	5948	500	0.060	735	526	42.9
1x400	3.6/6	23.0	30	36	39	41	46	6948	500	0.0470	845	590	57.2
1x500	3.6/6	26.4	34	40	43	45	50	8420	500	0.0366	961	668	71.5
1x630	3.6/6	30.2	38	44	47	49	54	10331	250	0.0283	1078	734	90.1
1x50	6/10	8.2	17	22	25	28	31	2536	1000	0.387	238	196	7.2
1x70	6/10	9.8	18	23	26	29	33	2839	1000	0.268	296	239	10.0
1x95	6/10	11.4	19	25	28	31	34	3232	1000	0.193	361	285	13.6
1x120	6/10	12.9	21	27	30	32	36	3612	1000	0.153	417	323	17.2
1x150	6/10	14.3	22	28	31	33	37	3995	1000	0.124	473	361	21.5
1x185	6/10	15.8	24	29	32	35	39	4485	1000	0.099	543	406	26.5
1x240	6/10	18.3	26	32	35	37	42	5272	500	0.075	641	469	34.3
1x300	6/10	20.4	28	34	37	40	44	6023	500	0.060	735	526	42.9
1x400	6/10	23.0	31	37	40	42	47	7076	500	0.0470	845	590	57.2
1x500	6/10	26.4	34	40	43	46	50	8479	500	0.0366	961	668	71.5
1x630	6/10	30.2	38	44	47	50	55	10393	250	0.0283	1078	734	90.1
1x50	8.7/15	8.2	19	25	28	30	34	2802	1000	0.387	238	196	7.2
1x70	8.7/15	9.8	20	26	29	31	35	3095	1000	0.268	296	239	10.0
1x95	8.7/15	11.4	22	27	30	33	37	3509	1000	0.193	361	285	13.6
1x120	8.7/15	12.9	23	29	32	34	38	3895	1000	0.153	417	323	17.2
1x150	8.7/15	14.3	24	30	33	36	40	4283	1000	0.124	473	361	21.5
1x185	8.7/15	15.8	26	32	35	37	41	4779	1000	0.099	543	406	26.5
1x240	8.7/15	18.3	28	34	37	40	44	5576	500	0.075	641	469	34.3
1x300	8.7/15	20.4	31	36	39	42	46	6315	500	0.060	735	526	42.9
1x400	8.7/15	23.0	33	39	42	45	49	7541	500	0.0470	845	590	57.2
1x500	8.7/15	26.4	36	42	45	48	53	8975	500	0.0366	961	668	71.5
1x630	8.7/15	30.2	40	46	49	52	57	10926	250	0.0283	1078	734	90.1
1x50	12/20	8.2	21	26	30	32	36	3053	1000	0.387	238	196	7.2
1x70	12/20	9.8	22	28	31	33	37	3349	1000	0.268	296	239	10.0
1x95	12/20	11.4	24	29	32	35	39	3769	1000	0.193	361	285	13.6
1x120	12/20	12.9	25	31	34	36	40	4143	1000	0.153	417	323	17.2
1x150	12/20	14.3	26	32	35	38	42	4553	1000	0.124	473	361	21.5
1x185	12/20	15.8	28	34	37	39	44	5055	500	0.099	543	406	26.5
1x240	12/20	18.3	30	36	39	42	46	5841	500	0.075	641	469	34.3
1x300	12/20	20.4	33	38	41	44	48	6607	500	0.060	735	526	42.9
1x400	12/20	23.0	35	41	44	47	51	7827	500	0.0470	845	590	57.2
1x500	12/20	26.4	38	44	47	50	55	9278	500	0.0366	961	668	71.5
1x630	12/20	30.2	42	48	51	54	59	11274	250	0.0283	1078	734	90.1
1x50	18/30	8.2	26	31	34	37	41	3703	1000	0.387	238	196	7.2
1x70	18/30	9.8	27	32	36	38	42	4007	1000	0.268	296	239	10.0
1x95	18/30	11.4	28	34	37	40	44	4443	1000	0.193	361	285	13.6
1x120	18/30	12.9	30	36	39	41	46	4958	1000	0.153	417	323	17.2
1x150	18/30	14.3	31	37	40	43	47	5387	500	0.124	473	361	21.5
1x185	18/30	15.8	33	39	42	44	49	6050	500	0.099	543	406	26.5
1x240	18/30	18.3	35	41	44	47	52	6872	500	0.075	641	469	34.3
1x300	18/30	20.4	37	44	47	49	54	7830	500	0.060	735	526	42.9
1x400	18/30	23.0	40	47	50	52	58	9316	500	0.0470	845	590	57.2
1x500	18/30	26.4	43	50	53	56	61	10859	250	0.0366	961	668	71.5
1x630	18/30	30.2	47	54	57	60	65	12938	250	0.0283	1078	734	90.1

3.6/6(7.2) - 18/30(36) KV
CU/XLPE/CTS/LS/PVC/DSTA/PVC- N2XSEKBY

Construction

- **Conductor**
  Plain annealed copper wire according to IEC 60228
  - Class 2 for Stranded ompacted Conductors
- **Conductor Screen**
  Extruded Semi Conductive Compound
- **Insulation**
  XLPE Compound
- **Insulation Screen**
  Extruded Semi Conductive Compound
- **Metallic Screen**
  Plain Annealed Copper Tapes
- **Filler**
  PP Yarn Filler
- **Metallic Sheath**
  Lead Alloy Sheath
- **Separation Sheath**
  PVC ST2 Compound
- **Metallic Armour**
  Double Galvanized Steel Tapes
- **Sheath**
  PVC ST2 Compound

Special Feature On Request

- EPR Insulation
- Flame Retardant Cat.A,B,C
- Flame Retardant Non Category
- Anti-termite
- Anti-Rodent
- Oil Resistance
- UV Resistance
- Low Smoke Zero Halogen

Cores Identification

- Brown,Black,Grey

Others colours available upon request

Applicable Standards

SNI IEC 60502-2	Design and Test Guidelines
IEC 60502-2	Design and Test Guidelines
IEC 60228	Conductor
IEC 60332-1	Flame Retardant
IEC 60332-3-22	Flame Retardant Cat. A
IEC 60332-3-23	Flame Retardant Cat. B
IEC 60332-3-24	Flame Retardant Cat. C

IEC 60332-1 IEC 60332-3-22 IEC 60332-3-23 IEC 60332-3-24	STANDARD	EXCELLENT	0 °C	14 D	90°C NORMAL OPERATION TEMPERATURE	250°C SHORT CIRCUIT TEMPERATURE

3.6/6(7.2) – 18/30(36) KV
CU/XLPE/CTS/LS/PVC/DSTA/PVC– N2XSEKBY

DIMENSION & ELECTRICAL DATA

Cross Section (mm²)	Tension Uo/U (kV)	Conductor Diameter (mm)	Insulation Diameter (mm)	Metallic Sheath Diamater (mm)	Separation Sheath Diameter (mm)	Metallic Armour Diameter (mm)	Outer Sheath Diameter (mm)	Cable Weigth (kg/km)	Packaging (m)	Max.DC Resistance at 20°C (Ω/km)	Current Rating in air at 30°C (A)	Current Rating in Ground at 20°C (A)	Short Circuit Current for 1s (kA)
3x50	3.6/6	8.2	16	42	45	47	52	6364	500	0.387	205	181	7.2
3x70	3.6/6	9.8	17	45	48	50	55	7400	500	0.268	253	220	10.0
3x95	3.6/6	11.4	19	48	51	54	59	8771	500	0.193	307	263	13.6
3x120	3.6/6	12.9	21	52	55	57	63	10112	250	0.153	352	298	17.2
3x150	3.6/6	14.3	22	55	58	60	66	11513	250	0.124	397	332	21.5
3x185	3.6/6	15.8	23	58	61	64	70	13427	250	0.0991	453	374	26.5
3x240	3.6/6	18.3	26	64	67	69	76	16141	250	0.0754	529	431	34.3
3x300	3.6/6	20.4	28	69	72	76	83	19771	250	0.0601	599	482	42.9
3x50	6/10	8.2	17	43	46	49	54	6680	500	0.387	205	181	7.2
3x70	6/10	9.8	18	46	49	51	57	7757	500	0.268	253	220	10.0
3x95	6/10	11.4	19	49	52	55	60	9153	500	0.193	307	263	13.6
3x120	6/10	12.9	21	53	56	58	64	10487	250	0.153	352	298	17.2
3x150	6/10	14.3	22	56	59	62	68	12111	250	0.124	397	332	21.5
3x185	6/10	15.8	24	59	63	65	71	13846	250	0.0991	453	374	26.5
3x240	6/10	18.3	26	65	68	72	79	17330	250	0.0754	529	431	34.3
3x300	6/10	20.4	28	70	73	77	84	20265	250	0.0601	599	482	42.9
3x50	8.7/15	8.2	19	48	51	54	59	7846	500	0.387	205	181	7.2
3x70	8.7/15	9.8	20	51	54	56	62	8951	500	0.268	253	220	10.0
3x95	8.7/15	11.4	22	54	58	60	66	10642	250	0.193	307	263	13.6
3x120	8.7/15	12.9	23	58	61	64	70	12057	250	0.153	352	298	17.2
3x150	8.7/15	14.3	24	61	64	67	73	13327	250	0.124	397	332	21.5
3x185	8.7/15	15.8	26	64	68	72	78	15849	250	0.0991	453	374	26.5
3x240	8.7/15	18.3	28	70	73	77	85	18990	250	0.0754	529	431	34.3
3x300	8.7/15	20.4	31	75	78	82	89	21752	250	0.0601	599	482	42.9
3x50	12/20	8.2	21	52	56	58	64	8826	500	0.387	205	181	7.2
3x70	12/20	9.8	22	55	58	61	67	10173	250	0.268	253	220	10.0
3x95	12/20	11.4	24	59	62	65	71	11703	250	0.193	307	263	13.6
3x120	12/20	12.9	25	62	65	68	75	13197	250	0.153	352	298	17.2
3x150	12/20	14.3	26	65	69	73	80	15444	250	0.124	397	332	21.5
3x185	12/20	15.8	28	69	72	76	83	17331	250	0.0991	453	374	26.5
3x240	12/20	18.3	30	74	78	82	89	20304	250	0.0754	529	431	34.3
3x300	12/20	20.4	33	79	82	86	94	23171	200	0.0601	599	482	42.9
3x50	18/30	8.2	26	64	67	70	76	12094	250	0.387	205	181	7.2
3x70	18/30	9.8	27	67	70	74	81	14124	250	0.268	253	220	10.0
3x95	18/30	11.4	28	70	73	77	85	15834	250	0.193	307	263	13.6
3x120	18/30	12.9	30	74	77	81	88	17472	250	0.153	352	298	17.2
3x150	18/30	14.3	31	77	80	84	92	19175	250	0.124	397	332	21.5
3x185	18/30	15.8	33	80	84	88	96	21249	250	0.0991	453	374	26.5
3x240	18/30	18.3	35	86	89	93	102	24745	200	0.0754	529	431	34.3
3x300	18/30	20.4	37	91	94	98	107	27767	200	0.0601	599	482	42.9

3.6/6(7.2) - 18/30(36) KV
CU/XLPE/CTS/LS/PVC/AWA/PVC- N2XSKYR(AL)Y

Construction

- **Conductor**
  Plain annealed copper wire according to IEC 60228
  - Class 2 for Stranded ompacted Conductors
- **Conductor Screen**
  Extruded Semi Conductive Compound
- **Insulation**
  XLPE Compound
- **Insulation Screen**
  Extruded Semi Conductive Compound
- **Metallic Screen**
  Plain Annealed Copper Tapes
- **Metallic Sheath**
  Lead Alloy Sheath
- **Separation Sheath**
  PVC Compound ST 2
- **Metallic Armour**
  Aluminium Wires
- **Sheath**
  PVC Compound ST 2

Special Feature On Request

- EPR Insulation
- Flame Retardant Cat.A,B,C
- Flame Retardant Non Category
- Anti-termite
- Anti-Rodent
- Oil Resistance
- UV Resistance
- Low Smoke Zero Halogen

Cores Identification

- Not Aplicable

Applicable Standards

SNI IEC 60502-2	Design and Test Guidelines
IEC 60502-2	Design and Test Guidelines
IEC 60228	Conductor
IEC 60332-1	Flame Retardant
IEC 60332-3-22	Flame Retardant Cat. A
IEC 60332-3-23	Flame Retardant Cat. B
IEC 60332-3-24	Flame Retardant Cat. C


IEC 60332-1
IEC 60332-3-22
IEC 60332-3-23
IEC 60332-3-24


STANDARD


EXCELLENT


0 °C


14 D

NORMAL OPERATION TEMPERATURE

SHORT CIRCUIT TEMPERATURE

3.6/6(7.2) - 18/30(36) KV
CU/XLPE/CTS/LS/PVC/AWA/PVC- N2XSKYR(AL)Y

DIMENSION & ELECTRICAL DATA

Cross Section (mm²)	Tension Uo/U (kV)	Conductor Diameter (mm)	Insulation Diameter (mm)	Metallic Sheath Diameter (mm)	Sep. Sheath Diameter (mm)	Armour Diameter (mm)	Outer Sheath Diameter (mm)	Cable Weigth (kg/km)	Packaging (m)	Max.DC Resistance at 20°C (Ω/km)	Current Rating in air at 30°C (A)	Current Rating in Ground at 20°C (A)	Short Circuit Current for 1s (kA)
1x50	3.6/6	8.2	16	22	25	28	32	2648	1000	0.387	238	196	7.2
1x70	3.6/6	9.8	17	23	26	30	34	2936	1000	0.268	296	239	10.0
1x95	3.6/6	11.4	19	25	28	32	36	3440	1000	0.193	361	285	13.6
1x120	3.6/6	12.9	21	26	29	33	38	3830	1000	0.153	417	323	17.2
1x150	3.6/6	14.3	22	28	31	35	39	4224	1000	0.124	473	361	21.5
1x185	3.6/6	15.8	23	29	32	36	41	4725	1000	0.099	543	406	26.5
1x240	3.6/6	18.3	26	32	35	39	44	5527	500	0.075	641	469	34.3
1x300	3.6/6	20.4	28	34	37	42	47	6430	500	0.060	735	526	42.9
1x400	3.6/6	23.0	30	36	39	44	49	7452	500	0.0470	845	590	57.2
1x500	3.6/6	26.4	34	40	43	48	53	8967	500	0.0366	961	668	71.5
1x630	3.6/6	30.2	38	44	47	52	58	10932	250	0.0283	1078	734	90.1
1x50	6/10	8.2	17	23	26	29	33	2696	1000	0.387	238	196	7.2
1x70	6/10	9.8	18	24	27	31	35	3087	1000	0.268	296	239	10.0
1x95	6/10	11.4	19	25	28	32	37	3507	1000	0.193	361	285	13.6
1x120	6/10	12.9	21	27	30	34	38	3881	1000	0.153	417	323	17.2
1x150	6/10	14.3	22	28	31	35	40	4295	1000	0.124	473	361	21.5
1x185	6/10	15.8	24	30	33	37	42	4797	1000	0.099	543	406	26.5
1x240	6/10	18.3	26	32	35	39	44	5580	500	0.075	641	469	34.3
1x300	6/10	20.4	28	34	37	42	48	6507	500	0.060	735	526	42.9
1x400	6/10	23.0	31	37	40	45	50	7592	500	0.0470	845	590	57.2
1x500	6/10	26.4	34	40	43	48	54	9038	500	0.0366	961	668	71.5
1x630	6/10	30.2	38	44	47	52	58	10993	250	0.0283	1078	734	90.1
1x50	8.7/15	8.2	19	25	28	32	36	3070	1000	0.387	238	196	7.2
1x70	8.7/15	9.8	20	26	29	33	37	3376	1000	0.268	296	239	10.0
1x95	8.7/15	11.4	22	27	30	34	39	3802	1000	0.193	361	285	13.6
1x120	8.7/15	12.9	23	29	32	36	41	4182	1000	0.153	417	323	17.2
1x150	8.7/15	14.3	24	30	33	37	42	4601	1000	0.124	473	361	21.5
1x185	8.7/15	15.8	26	32	35	39	44	5090	500	0.099	543	406	26.5
1x240	8.7/15	18.3	28	34	37	42	48	6059	500	0.075	641	469	34.3
1x300	8.7/15	20.4	31	36	39	44	50	6831	500	0.060	735	526	42.9
1x400	8.7/15	23.0	33	39	42	47	53	8091	500	0.0470	845	590	57.2
1x500	8.7/15	26.4	36	43	46	51	56	9554	500	0.0366	961	668	71.5
1x630	8.7/15	30.2	40	47	50	55	61	11559	250	0.0283	1078	734	90.1
1x50	12/20	8.2	21	27	30	34	38	3323	1000	0.387	238	196	7.2
1x70	12/20	9.8	22	28	31	35	40	3650	1000	0.268	296	239	10.0
1x95	12/20	11.4	24	29	32	36	41	4083	1000	0.193	361	285	13.6
1x120	12/20	12.9	25	31	34	38	43	4467	1000	0.153	417	323	17.2
1x150	12/20	14.3	26	32	35	40	45	5017	500	0.124	473	361	21.5
1x185	12/20	15.8	28	34	37	42	47	5542	500	0.099	543	406	26.5
1x240	12/20	18.3	30	36	39	44	50	6343	500	0.075	641	469	34.3
1x300	12/20	20.4	33	38	41	46	52	7144	500	0.060	735	526	42.9
1x400	12/20	23.0	35	41	44	49	55	8398	500	0.0470	845	590	57.2
1x500	12/20	26.4	38	45	48	53	58	9877	500	0.0366	961	668	71.5
1x630	12/20	30.2	42	49	52	57	63	11928	250	0.0283	1078	734	90.1
1x50	18/30	8.2	26	32	35	39	44	4015	1000	0.387	238	196	7.2
1x70	18/30	9.8	27	33	36	41	46	4483	1000	0.268	296	239	10.0
1x95	18/30	11.4	28	34	37	42	48	4927	1000	0.193	361	285	13.6
1x120	18/30	12.9	30	36	39	44	49	5462	500	0.153	417	323	17.2
1x150	18/30	14.3	31	37	40	45	51	5916	500	0.124	473	361	21.5
1x185	18/30	15.8	33	39	42	47	53	6601	500	0.099	543	406	26.5
1x240	18/30	18.3	35	42	45	50	55	7440	500	0.075	641	469	34.3
1x300	18/30	20.4	37	44	47	52	58	8432	500	0.060	735	526	42.9
1x400	18/30	23.0	40	47	50	55	61	9951	500	0.0470	845	590	57.2
1x500	18/30	26.4	43	50	53	58	65	11538	250	0.0366	961	668	71.5
1x630	18/30	30.2	47	54	57	62	69	13657	250	0.0283	1078	734	90.1

3.6/6(7.2) - 18/30(36) KV
CU/XLPE/CTS/LS/PVC/SWA/PVC- N2XSEKRY

Construction

- **Conductor**
  Plain annealed copper wire according to IEC 60228
  - Class 2 for Stranded ompacted Conductors
- **Conductor Screen**
  Extruded Semi Conductive Compound
- **Insulation**
  XLPE Compound
- **Insulation Screen**
  Extruded Semi Conductive Compound
- **Metallic Screen**
  Plain Annealed Copper Tapes
- **Filler**
  PP Yarn Filler
- **Metallic Sheath**
  Lead Alloy Sheath
- **Separation Sheath**
  PVC ST2 Compound
- **Metallic Armour**
  Galvanized Steel Wires
- **Sheath**
  PVC ST2 Compound

Special Feature On Request

- EPR Insulation
- Flame Retardant Cat.A,B,C
- Flame Retardant Non Category
- Anti-termite
- Anti-Rodent
- Oil Resistance
- UV Resistance
- Low Smoke Zero Halogen

Cores Identification

- Brown,Black,Grey

Others colours available upon request

Applicable Standards

SNI IEC 60502-2	Design and Test Guidelines
IEC 60502-2	Design and Test Guidelines
IEC 60228	Conductor
IEC 60332-1	Flame Retardant
IEC 60332-3-22	Flame Retardant Cat. A
IEC 60332-3-23	Flame Retardant Cat. B
IEC 60332-3-24	Flame Retardant Cat. C


IEC 60332-1
IEC 60332-3-22
IEC 60332-3-23
IEC 60332-3-24


STANDARD


EXCELLENT


0 °C


14 D

NORMAL OPERATION TEMPERATURE

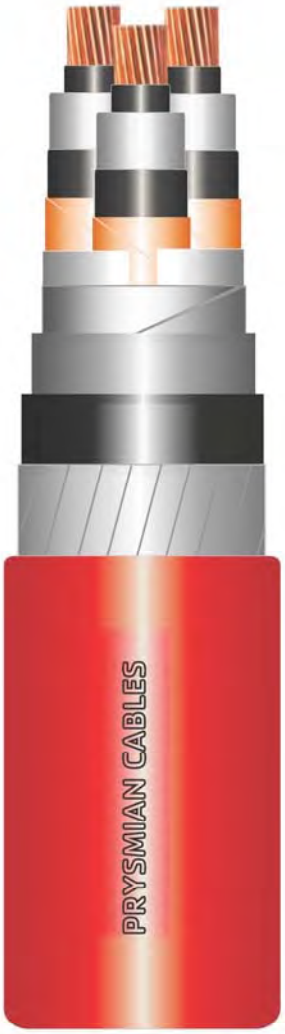
SHORT CIRCUIT TEMPERATURE

3.6/6(7.2) – 18/30(36) KV
CU/XLPE/CTS/LS/PVC/SWA/PVC– N2XSEKRY

DIMENSION & ELECTRICAL DATA

Cross Section (mm²)	Tension Uo/U (kV)	Conductor Diameter (mm)	Insulation Diameter (mm)	Metallic Sheath Diamater (mm)	Separation Sheath Diameter (mm)	Metallic Armour Diameter (mm)	Outer Sheath Diameter (mm)	Cable Weigth (kg/km)	Packaging (m)	Max.DC Resistance at 20°C (Ω/km)	Current Rating in air at 30°C (A)	Current Rating in Ground at 20°C (A)	Short Circuit Current for 1s (kA)
3x50	3.6/6	8.2	16	42	45	50	56	7814	500	0.387	205	181	7.2
3x70	3.6/6	9.8	17	45	48	53	59	8933	500	0.268	253	220	10.0
3x95	3.6/6	11.4	19	48	52	57	63	10442	250	0.193	307	263	13.6
3x120	3.6/6	12.9	21	52	55	60	66	11867	250	0.153	352	298	17.2
3x150	3.6/6	14.3	22	55	58	63	70	13343	250	0.124	397	332	21.5
3x185	3.6/6	15.8	23	59	62	68	75	16170	250	0.0991	453	374	26.5
3x240	3.6/6	18.3	26	64	67	74	81	19130	250	0.0754	529	431	34.3
3x300	3.6/6	20.4	28	69	72	79	87	22207	200	0.0601	599	482	42.9
3x50	6/10	8.2	17	43	46	51	57	8185	500	0.387	205	181	7.2
3x70	6/10	9.8	18	46	49	54	60	9322	500	0.268	253	220	10.0
3x95	6/10	11.4	19	49	53	58	64	10826	250	0.193	307	263	13.6
3x120	6/10	12.9	21	53	56	61	68	12303	250	0.153	352	298	17.2
3x150	6/10	14.3	22	56	59	66	73	14767	250	0.124	397	332	21.5
3x185	6/10	15.8	24	60	63	69	77	16644	250	0.0991	453	374	26.5
3x240	6/10	18.3	26	65	68	75	82	19635	250	0.0754	529	431	34.3
3x300	6/10	20.4	28	70	73	80	88	22743	200	0.0601	599	482	42.9
3x50	8.7/15	8.2	19	48	51	57	63	9502	500	0.387	205	181	7.2
3x70	8.7/15	9.8	20	51	54	59	66	10692	250	0.268	253	220	10.0
3x95	8.7/15	11.4	22	55	58	64	71	13234	250	0.193	307	263	13.6
3x120	8.7/15	12.9	23	58	61	68	75	14790	250	0.153	352	298	17.2
3x150	8.7/15	14.3	24	61	64	71	78	16147	250	0.124	397	332	21.5
3x185	8.7/15	15.8	26	65	68	74	82	18079	250	0.0991	453	374	26.5
3x240	8.7/15	18.3	28	70	73	80	88	21399	250	0.0754	529	431	34.3
3x300	8.7/15	20.4	31	75	78	85	93	24341	200	0.0601	599	482	42.9
3x50	12/20	8.2	21	53	56	61	68	10590	250	0.387	205	181	7.2
3x70	12/20	9.8	22	56	59	65	72	12753	250	0.268	253	220	10.0
3x95	12/20	11.4	24	59	62	69	76	14485	250	0.193	307	263	13.6
3x120	12/20	12.9	25	63	66	72	80	16061	250	0.153	352	298	17.2
3x150	12/20	14.3	26	66	69	75	83	17747	250	0.124	397	332	21.5
3x185	12/20	15.8	28	69	72	79	87	19742	250	0.0991	453	374	26.5
3x240	12/20	18.3	30	75	78	84	93	22902	200	0.0754	529	431	34.3
3x300	12/20	20.4	33	80	83	89	98	25864	200	0.0601	599	482	42.9
3x50	18/30	8.2	26	64	67	74	81	15061	250	0.387	205	181	7.2
3x70	18/30	9.8	27	67	70	76	84	16426	250	0.268	253	220	10.0
3x95	18/30	11.4	28	71	74	80	88	18280	250	0.193	307	263	13.6
3x120	18/30	12.9	30	74	77	83	92	20026	250	0.153	352	298	17.2
3x150	18/30	14.3	31	77	80	87	95	21845	250	0.124	397	332	21.5
3x185	18/30	15.8	33	81	84	90	99	23982	200	0.0991	453	374	26.5
3x240	18/30	18.3	35	86	89	96	105	27658	200	0.0754	529	431	34.3
3x300	18/30	20.4	37	91	94	101	110	30867	200	0.0601	599	482	42.9

3.6/6(7.2) - 18/30(36) KV
CU/XLPE/CTS/LS/PVC/SFA/PVC- N2XSEKFY



Construction

- **Conductor**
  Plain annealed copper wire according to IEC 60228
  - Class 2 for Stranded ompacted Conductors
- **Conductor Screen**
  Extruded Semi Conductive Compound
- **Insulation**
  XLPE Compound
- **Insulation Screen**
  Extruded Semi Conductive Compound
- **Metallic Screen**
  Plain Annealed Copper Tapes
- **Filler**
  PP Yarn Filler
- **Metallic Sheath**
  Lead Alloy Sheath
- **Separation Sheath**
  PVC ST2 Compound
- **Metallic Armour**
  Galvanized Steel Flat Armour
- **Sheath**
  PVC ST2 Compound

Special Feature On Request

- EPR Insulation
- Flame Retardant Cat.A,B,C
- Flame Retardant Non Category
- Anti-termite
- Anti-Rodent
- Oil Resistance
- UV Resistance
- Low Smoke Zero Halogen

Cores Identification

- Brown,Black,Grey
  Others colours available upon request

Applicable Standards

SNI IEC 60502-2	Design and Test Guidelines
IEC 60502-2	Design and Test Guidelines
IEC 60228	Conductor
IEC 60332-1	Flame Retardant
IEC 60332-3-22	Flame Retardant Cat. A
IEC 60332-3-23	Flame Retardant Cat. B
IEC 60332-3-24	Flame Retardant Cat. C

IEC 60332-1 IEC 60332-3-22 IEC 60332-3-23 IEC 60332-3-24	STANDARD	EXCELLENT	0 °C	14 D	90°C NORMAL OPERATION TEMPERATURE	250°C SHORT CIRCUIT TEMPERATURE

3.6/6(7.2) – 18/30(36) KV
CU/XLPE/CTS/LS/PVC/SFA/PVC– N2XSEKFY

DIMENSION & ELECTRICAL DATA

Cross Section (mm²)	Tension Uo/U (kV)	Conductor Diameter (mm)	Insulation Diameter (mm)	Metallic Sheath Diamater (mm)	Separation Sheath Diameter (mm)	Metallic Armour Diameter (mm)	Outer Sheath Diameter (mm)	Cable Weigth (kg/km)	Packaging (m)	Max.DC Resistance at 20°C (Ω/km)	Current Rating in air at 30°C (A)	Current Rating in Ground at 20°C (A)	Short Circuit Current for 1s (kA)
3x50	3.6/6	8.2	16	42	45	47	52	6478	500	0.387	205	181	7.2
3x70	3.6/6	9.8	17	45	48	50	55	7527	500	0.268	253	220	10.0
3x95	3.6/6	11.4	19	48	52	53	59	8948	500	0.193	307	263	13.6
3x120	3.6/6	12.9	21	52	55	57	63	10263	250	0.153	352	298	17.2
3x150	3.6/6	14.3	22	55	58	60	66	11668	250	0.124	397	332	21.5
3x185	3.6/6	15.8	23	59	62	63	70	13604	250	0.0991	453	374	26.5
3x240	3.6/6	18.3	26	64	67	69	76	16315	250	0.0754	529	431	34.3
3x300	3.6/6	20.4	28	69	72	74	81	19233	250	0.0601	599	482	42.9
3x50	6/10	8.2	17	43	46	48	54	6807	500	0.387	205	181	7.2
3x70	6/10	9.8	18	46	49	51	57	7897	500	0.268	253	220	10.0
3x95	6/10	11.4	19	49	53	54	60	9290	500	0.193	307	263	13.6
3x120	6/10	12.9	21	53	56	58	64	10652	250	0.153	352	298	17.2
3x150	6/10	14.3	22	56	59	61	68	12308	250	0.124	397	332	21.5
3x185	6/10	15.8	24	60	63	65	72	14044	250	0.0991	453	374	26.5
3x240	6/10	18.3	26	65	68	70	77	16814	250	0.0754	529	431	34.3
3x300	6/10	20.4	28	70	73	75	83	19702	250	0.0601	599	482	42.9
3x50	8.7/15	8.2	19	48	51	53	59	8007	500	0.387	205	181	7.2
3x70	8.7/15	9.8	20	51	54	56	62	9101	500	0.268	253	220	10.0
3x95	8.7/15	11.4	22	55	58	59	66	10783	250	0.193	307	263	13.6
3x120	8.7/15	12.9	23	58	61	63	70	12196	250	0.153	352	298	17.2
3x150	8.7/15	14.3	24	61	64	66	73	13473	250	0.124	397	332	21.5
3x185	8.7/15	15.8	26	65	68	69	77	15321	250	0.0991	453	374	26.5
3x240	8.7/15	18.3	28	70	73	75	83	18359	250	0.0754	529	431	34.3
3x300	8.7/15	20.4	31	75	78	80	88	21141	250	0.0601	599	482	42.9
3x50	12/20	8.2	21	53	56	57	64	8970	500	0.387	205	181	7.2
3x70	12/20	9.8	22	56	59	60	67	10302	250	0.268	253	220	10.0
3x95	12/20	11.4	24	59	62	64	71	11884	250	0.193	307	263	13.6
3x120	12/20	12.9	25	63	66	67	75	13346	250	0.153	352	298	17.2
3x150	12/20	14.3	26	66	69	70	78	14889	250	0.124	397	332	21.5
3x185	12/20	15.8	28	69	72	74	82	16766	250	0.0991	453	374	26.5
3x240	12/20	18.3	30	75	78	79	88	19703	250	0.0754	529	431	34.3
3x300	12/20	20.4	33	80	83	84	93	22525	200	0.0601	599	482	42.9
3x50	18/30	8.2	26	64	67	69	76	12243	250	0.387	205	181	7.2
3x70	18/30	9.8	27	67	70	72	79	13565	250	0.268	253	220	10.0
3x95	18/30	11.4	28	71	74	75	83	15262	250	0.193	307	263	13.6
3x120	18/30	12.9	30	74	77	79	87	16865	250	0.153	352	298	17.2
3x150	18/30	14.3	31	77	80	82	90	18541	250	0.124	397	332	21.5
3x185	18/30	15.8	33	81	84	85	94	20601	250	0.0991	453	374	26.5
3x240	18/30	18.3	35	86	89	91	100	24032	200	0.0754	529	431	34.3
3x300	18/30	20.4	37	91	94	96	105	27037	200	0.0601	599	482	42.9

3.6/6(7.2) - 18/30(36) KV
AL/XLPE/CTS/PVC- NA2XSY

Construction

- **Conductor**
  Stranded Aluminium wire according to IEC 60228
  - Class 2 for Circular Stranded Compacted
- **Conductor Screen**
  Extruded Semi Conductive Compound
- **Insulation**
  XLPE Compound
- **Insulation Screen**
  Extruded Semi Conductive Compound
- **Metallic Screen**
  Plain Annealed Copper Tapes
- **Sheath**
  PVC Compound ST 2

Special Feature On Request

- EPR Insulation
- Flame Retardant Cat.A,B,C
- Flame Retardant Non Category
- Anti-termite
- Anti-Rodent
- Oil Resistance
- UV Resistance
- Low Smoke Zero Halogen

Cores Identification

- Not Aplicable

Applicable Standards

SNI IEC 60502-2	Design and Test Guidelines
IEC 60502-2	Design and Test Guidelines
IEC 60228	Conductor
IEC 60332-1	Flame Retardant
IEC 60332-3-22	Flame Retardant Cat. A
IEC 60332-3-23	Flame Retardant Cat. B
IEC 60332-3-24	Flame Retardant Cat. C

IEC 60332-1
IEC 60332-3-22
IEC 60332-3-23
IEC 60332-3-24

STANDARD

EXCELLENT

0 °C

14 D

NORMAL OPERATION TEMPERATURE

SHORT CIRCUIT TEMPERATURE

3.6/6(7.2) – 18/30(36) KV
AL/XLPE/CTS/PVC– NA2XSY

DIMENSION & ELECTRICAL DATA

Cross Section (mm²)	Tension Uo/U (kV)	Conductor Diameter (mm)	Insulation Diameter (mm)	Metalic Screen Diameter (mm)	Outer Sheath Diameter (mm)	Cable Weigth (kg/km)	Packaging (m)	Max.DC Resistance at 20°C (Ω/km)	Current Rating in air at 30°C (A)	Current Rating in Ground at 20°C (A)	Short Circuit Current for 1s (kA)
1x50	3.6/6	8.2	16.3	18	21	524	1000	0.6410	184	152	4.7
1x70	3.6/6	9.8	17.4	19	23	595	1000	0.4430	230	186	6.6
1x95	3.6/6	11.4	19.0	20	24	707	1000	0.3200	280	221	9.0
1x120	3.6/6	13.1	20.7	22	26	820	1000	0.2530	324	252	11.3
1x150	3.6/6	14.1	21.7	23	27	909	1000	0.2060	368	281	14.2
1x185	3.6/6	15.9	23.4	25	29	1041	1000	0.1640	424	317	17.5
1x240	3.6/6	18.2	25.8	27	31	1267	1000	0.1250	502	367	22.7
1x300	3.6/6	20.5	28.0	29	34	1513	1000	0.1000	577	414	28.3
1x400	3.6/6	22.9	30.1	32	36	1778	1000	0.0778	673	470	37.8
1x500	3.6/6	26.9	34.2	36	40	2194	1000	0.0605	787	537	47.2
1x630	3.6/6	30.5	37.9	39	44	2740	1000	0.0469	903	610	59.5
1x50	6/10	8.2	16.7	18	22	540	1000	0.6410	184	152	4.7
1x70	6/10	9.8	17.8	19	23	611	1000	0.4430	230	186	6.6
1x95	6/10	11.4	19.4	21	25	724	1000	0.3200	280	221	9.0
1x120	6/10	13.1	21.1	23	26	838	1000	0.2530	324	252	11.3
1x150	6/10	14.1	22.1	24	27	927	1000	0.2060	368	281	14.2
1x185	6/10	15.9	23.8	25	29	1073	1000	0.1640	424	317	17.5
1x240	6/10	18.2	26.2	28	32	1303	1000	0.1250	502	367	22.7
1x300	6/10	20.5	28.4	30	34	1535	1000	0.1000	577	414	28.3
1x400	6/10	22.9	30.9	32	37	1840	1000	0.0778	673	470	37.8
1x500	6/10	26.9	34.6	36	41	2238	1000	0.0605	787	537	47.2
1x630	6/10	30.5	38.3	40	45	2789	1000	0.0469	903	610	59.5
1x50	8.7/15	8.2	18.8	20	24	622	1000	0.6410	184	152	4.7
1x70	8.7/15	9.8	19.9	21	25	697	1000	0.4430	230	186	6.6
1x95	8.7/15	11.4	21.6	23	27	815	1000	0.3200	280	221	9.0
1x120	8.7/15	13.1	23.3	25	29	947	1000	0.2530	324	252	11.3
1x150	8.7/15	14.1	24.3	26	30	1040	1000	0.2060	368	281	14.2
1x185	8.7/15	15.9	26.0	27	32	1194	1000	0.1640	424	317	17.5
1x240	8.7/15	18.2	28.4	30	34	1433	1000	0.1250	502	367	22.7
1x300	8.7/15	20.5	30.6	32	36	1672	1000	0.1000	577	414	28.3
1x400	8.7/15	22.9	33.1	34	39	1971	1000	0.0778	673	470	37.8
1x500	8.7/15	26.9	36.8	38	43	2381	1000	0.0605	787	537	47.2
1x630	8.7/15	30.5	40.4	42	47	2944	1000	0.0469	903	610	59.5
1x50	12/20	8.2	20.8	22	26	703	1000	0.6410	184	152	4.7
1x70	12/20	9.8	21.9	23	27	781	1000	0.4430	230	186	6.6
1x95	12/20	11.4	23.5	25	29	917	1000	0.3200	280	221	9.0
1x120	12/20	13.1	25.2	27	31	1041	1000	0.2530	324	252	11.3
1x150	12/20	14.1	26.2	28	32	1151	1000	0.2060	368	281	14.2
1x185	12/20	15.9	28.0	29	34	1296	1000	0.1640	424	317	17.5
1x240	12/20	18.2	30.3	32	36	1543	1000	0.1250	502	367	22.7
1x300	12/20	20.5	32.6	34	39	1806	1000	0.1000	577	414	28.3
1x400	12/20	22.9	35.0	36	41	2114	1000	0.0778	673	470	37.8
1x500	12/20	26.9	38.8	40	45	2537	1000	0.0605	787	537	47.2
1x630	12/20	30.5	42.4	44	49	3113	1000	0.0469	903	610	59.5
1x50	18/30	8.2	25.7	27	31	958	1000	0.6410	184	152	4.7
1x70	18/30	9.8	26.8	28	32	1045	1000	0.4430	230	186	6.6
1x95	18/30	11.4	28.4	30	34	1196	1000	0.3200	280	221	9.0
1x120	18/30	13.1	30.1	32	36	1334	1000	0.2530	324	252	11.3
1x150	18/30	14.1	31.1	33	37	1454	1000	0.2060	368	281	14.2
1x185	18/30	15.9	32.9	34	39	1612	1000	0.1640	424	317	17.5
1x240	18/30	18.2	35.2	37	41	1880	1000	0.1250	502	367	22.7
1x300	18/30	20.5	37.5	39	44	2164	1000	0.1000	577	414	28.3
1x400	18/30	22.9	39.9	41	47	2493	1000	0.0778	673	470	37.8
1x500	18/30	26.9	43.7	45	51	2949	1000	0.0605	787	537	47.2
1x630	18/30	30.5	47.3	49	54	3555	1000	0.0469	903	610	59.5

3.6/6(7.2) - 18/30(36) KV
AL/XLPE/CTS/PVC- NA2XSEY

Construction

- **Conductor**
  Stranded Aluminium wire according to IEC 60228
  - Class 2 for Circular Stranded Compacted
- **Conductor Screen**
  Extruded Semi Conductive Compound
- **Insulation**
  XLPE Compound
- **Insulation Screen**
  Extruded Semi Conductive Compound
- **Metallic Screen**
  Plain Annealed Copper Tapes
- **Filler**
  PP Yarn Filler
- **Sheath**
  PVC Compound ST 2

Special Feature On Request

- EPR Insulation
- Flame Retardant Cat.A,B,C
- Flame Retardant Non Category
- Anti-termite
- Anti-Rodent
- Oil Resistance
- UV Resistance
- Low Smoke Zero Halogen

Cores Identification

- Brown,Black,Grey

Others colour available upon request

Applicable Standards

SNI IEC 60502-2	Design and Test Guidelines
IEC 60502-2	Design and Test Guidelines
IEC 60228	Conductor
IEC 60332-1	Flame Retardant
IEC 60332-3-22	Flame Retardant Cat. A
IEC 60332-3-23	Flame Retardant Cat. B
IEC 60332-3-24	Flame Retardant Cat. C

IEC 60332-1
IEC 60332-3-22
IEC 60332-3-23
IEC 60332-3-24

STANDARD

EXCELLENT

0 °C

14 D

NORMAL OPERATION TEMPERATURE

SHORT CIRCUIT TEMPERATURE

3.6/6(7.2) – 18/30(36) KV
AL/XLPE/CTS/PVC– NA2XSEY

DIMENSION & ELECTRICAL DATA

Cross Section (mm²)	Tension Uo/U (kV)	Conductor Diameter (mm)	Insulation Diameter (mm)	Metalic Screen Diameter (mm)	Outer Sheath Diameter (mm)	Cable Weigth (kg/km)	Packaging (m)	Max.DC Resistance at 20°C (Ω/km)	Current Rating in air at 30°C (A)	Current Rating in Ground at 20°C (A)	Short Circuit Current for 1s (kA)
3x50	3.6/6	8.2	16	18	43	1782	1000	0.6410	158	140	4.7
3x70	3.6/6	9.8	17	19	45	2047	1000	0.4430	196	171	6.6
3x95	3.6/6	11.4	19	20	49	2458	1000	0.3200	236	203	9.0
3x120	3.6/6	13.1	21	22	53	2883	1000	0.2530	273	232	11.3
3x150	3.6/6	14.1	22	23	55	3213	500	0.2060	309	260	14.2
3x185	3.6/6	15.9	23	25	59	3710	500	0.1640	355	294	17.5
3x240	3.6/6	18.2	26	27	65	4518	500	0.1250	415	340	22.7
3x300	3.6/6	20.5	28	29	70	5387	500	0.1000	475	384	28.3
3x50	6/10	8.2	17	18	44	1858	1000	0.6410	158	140	4.7
3x70	6/10	9.8	18	19	47	2128	1000	0.4430	196	171	6.6
3x95	6/10	11.4	19	21	50	2568	1000	0.3200	236	203	9.0
3x120	6/10	13.1	21	23	54	3001	1000	0.2530	273	232	11.3
3x150	6/10	14.1	22	24	57	3336	500	0.2060	309	260	14.2
3x185	6/10	15.9	24	25	61	3841	500	0.1640	355	294	17.5
3x240	6/10	18.2	26	28	66	4661	500	0.1250	415	340	22.7
3x300	6/10	20.5	28	30	71	5507	500	0.1000	475	384	28.3
3x50	8.7/15	8.2	19	20	49	2219	1000	0.6410	158	140	4.7
3x70	8.7/15	9.8	20	21	52	2508	1000	0.4430	196	171	6.6
3x95	8.7/15	11.4	22	23	55	2950	1000	0.3200	236	203	9.0
3x120	8.7/15	13.1	23	25	59	3409	1000	0.2530	273	232	11.3
3x150	8.7/15	14.1	24	26	62	3761	500	0.2060	309	260	14.2
3x185	8.7/15	15.9	26	27	66	4322	500	0.1640	355	294	17.5
3x240	8.7/15	18.2	28	30	71	5148	500	0.1250	415	340	22.7
3x300	8.7/15	20.5	31	32	76	6062	500	0.1000	475	384	28.3
3x50	12/20	8.2	21	22	54	2582	1000	0.6410	158	140	4.7
3x70	12/20	9.8	22	23	56	2888	1000	0.4430	196	171	6.6
3x95	12/20	11.4	24	25	60	3355	1000	0.3200	236	203	9.0
3x120	12/20	13.1	25	27	64	3839	1000	0.2530	273	232	11.3
3x150	12/20	14.1	26	28	66	4206	500	0.2060	309	260	14.2
3x185	12/20	15.9	28	29	70	4762	500	0.1640	355	294	17.5
3x240	12/20	18.2	30	32	76	5656	500	0.1250	415	340	22.7
3x300	12/20	20.5	33	34	81	6567	500	0.1000	475	384	28.3
3x50	18/30	8.2	26	27	65	3567	1000	0.6410	158	140	4.7
3x70	18/30	9.8	27	28	67	3913	1000	0.4430	196	171	6.6
3x95	18/30	11.4	28	30	71	4471	500	0.3200	236	203	9.0
3x120	18/30	13.1	30	32	75	5016	500	0.2530	273	232	11.3
3x150	18/30	14.1	31	33	78	5422	500	0.2060	309	260	14.2
3x185	18/30	15.9	33	34	81	6040	500	0.1640	355	294	17.5
3x240	18/30	18.2	35	37	87	7022	500	0.1250	415	340	22.7
3x300	18/30	20.5	38	39	92	8012	500	0.1000	475	384	28.3

3.6/6(7.2) - 18/30(36) KV
AL/XLPE/CTS/PVC/DATA/PVC- NA2XSYB(AL)Y

Construction

- **Conductor**
  Stranded Aluminium wire according to IEC 60228
  - Class 2 for Circular Stranded Compacted
- **Conductor Screen**
  Extruded Semi Conductive Compound
- **Insulation**
  XLPE Compound
- **Insulation Screen**
  Extruded Semi Conductive Compound
- **Metallic Screen**
  Plain Annealed Copper Tapes
- **Separation Sheath**
  PVC Compound ST 2
- **Metallic Armour**
  Double Aluminium Tapes
- **Sheath**
  PVC Compound ST 2

Special Feature On Request

- EPR Insulation
- Flame Retardant Cat.A,B,C
- Flame Retardant Non Category
- Anti-termite
- Anti-Rodent
- Oil Resistance
- UV Resistance
- Low Smoke Zero Halogen

Cores Identification

- Not Applicable

Applicable Standards

SNI IEC 60502-2	Design and Test Guidelines
IEC 60502-2	Design and Test Guidelines
IEC 60228	Conductor
IEC 60332-1	Flame Retardant
IEC 60332-3-22	Flame Retardant Cat. A
IEC 60332-3-23	Flame Retardant Cat. B
IEC 60332-3-24	Flame Retardant Cat. C

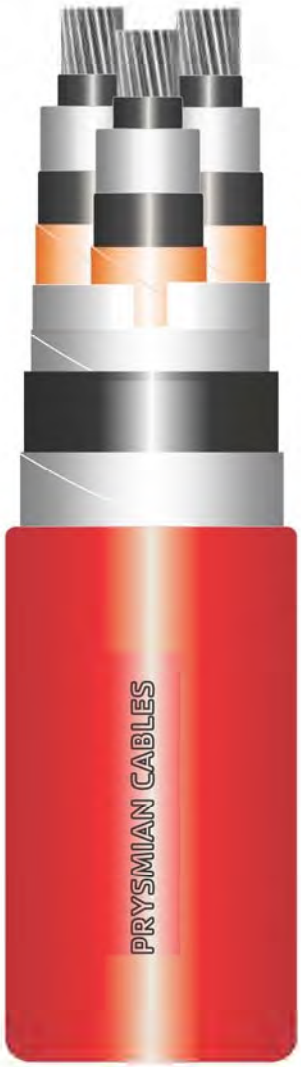
IEC 60332-1 IEC 60332-3-22 IEC 60332-3-23 IEC 60332-3-24	STANDARD	EXCELLENT	0 °C	14 D	P6	90°C NORMAL OPERATION TEMPERATURE	250°C SHORT CIRCUIT TEMPERATURE

3.6/6(7.2) – 18/30(36) KV
AL/XLPE/CTS/PVC/DATA/PVC- NA2XSYB(AL)Y

DIMENSION & ELECTRICAL DATA

Cross Section (mm²)	Tension Uo/U (kV)	Conductor Diameter (mm)	Insulation Diameter (mm)	Sep. Sheath Diameter (mm)	Armour Diameter (mm)	Outer Sheath Diameter (mm)	Cable Weigth (kg/km)	Packaging (m)	Max.DC Resistance at 20°C (Ω/km)	Current Rating in air at 30°C (A)	Current Rating in Ground at 20°C (A)	Short Circuit Current for 1s (kA)
1x50	3.6/6	8.2	16.3	21	24	27	824	1000	0.6410	184	152	4.7
1x70	3.6/6	9.8	17.4	22	25	28	908	1000	0.4430	230	186	6.6
1x95	3.6/6	11.4	19.0	24	27	30	1040	1000	0.3200	280	221	9.0
1x120	3.6/6	13.1	20.7	26	28	32	1189	1000	0.2530	324	252	11.3
1x150	3.6/6	14.1	21.7	27	29	33	1290	1000	0.2060	368	281	14.2
1x185	3.6/6	15.9	23.4	28	31	35	1460	1000	0.1640	424	317	17.5
1x240	3.6/6	18.2	25.8	31	33	37	1721	1000	0.1250	502	367	22.7
1x300	3.6/6	20.5	28.0	33	36	40	1999	1000	0.1000	577	414	28.3
1x400	3.6/6	22.9	30.1	35	38	42	2294	1000	0.0778	673	470	37.8
1x500	3.6/6	26.9	34.2	39	42	46	2768	1000	0.0605	801	540	47.2
1x630	3.6/6	30.5	37.9	43	45	50	3365	1000	0.0469	903	610	59.5
1x50	6/10	8.2	16.7	22	24	27	844	1000	0.6410	184	152	4.7
1x70	6/10	9.8	17.8	23	25	29	929	1000	0.4430	230	186	6.6
1x95	6/10	11.4	19.4	24	27	30	1076	1000	0.3200	280	221	9.0
1x120	6/10	13.1	21.1	26	29	32	1227	1000	0.2530	324	252	11.3
1x150	6/10	14.1	22.1	27	30	33	1329	1000	0.2060	368	281	14.2
1x185	6/10	15.9	23.8	29	31	35	1501	1000	0.1640	424	317	17.5
1x240	6/10	18.2	26.2	31	34	38	1747	1000	0.1250	502	367	22.7
1x300	6/10	20.5	28.4	33	36	40	2026	1000	0.1000	577	414	28.3
1x400	6/10	22.9	30.9	36	38	43	2350	1000	0.0778	673	470	37.8
1x500	6/10	26.9	34.6	40	42	47	2799	1000	0.0605	801	540	47.2
1x630	6/10	30.5	38.3	43	46	50	3399	1000	0.0469	903	610	59.5
1x50	8.7/15	8.2	18.8	24	26	30	967	1000	0.6410	184	152	4.7
1x70	8.7/15	9.8	19.9	25	27	31	1056	1000	0.4430	230	186	6.6
1x95	8.7/15	11.4	21.6	27	29	33	1210	1000	0.3200	280	221	9.0
1x120	8.7/15	13.1	23.3	28	31	34	1352	1000	0.2530	324	252	11.3
1x150	8.7/15	14.1	24.3	29	32	36	1474	1000	0.2060	368	281	14.2
1x185	8.7/15	15.9	26.0	31	34	37	1636	1000	0.1640	424	317	17.5
1x240	8.7/15	18.2	28.4	33	36	40	1908	1000	0.1250	502	367	22.7
1x300	8.7/15	20.5	30.6	36	38	42	2196	1000	0.1000	577	414	28.3
1x400	8.7/15	22.9	33.1	38	41	45	2529	1000	0.0778	673	470	37.8
1x500	8.7/15	26.9	36.8	42	44	49	2992	1000	0.0605	801	540	47.2
1x630	8.7/15	30.5	40.4	45	48	53	3606	1000	0.0469	903	610	59.5
1x50	12/20	8.2	20.8	26	28	32	1073	1000	0.6410	184	152	4.7
1x70	12/20	9.8	21.9	27	29	33	1180	1000	0.4430	230	186	6.6
1x95	12/20	11.4	23.5	29	31	35	1324	1000	0.3200	280	221	9.0
1x120	12/20	13.1	25.2	30	33	37	1488	1000	0.2530	324	252	11.3
1x150	12/20	14.1	26.2	31	34	38	1597	1000	0.2060	368	281	14.2
1x185	12/20	15.9	28.0	33	36	40	1781	1000	0.1640	424	317	17.5
1x240	12/20	18.2	30.3	35	38	42	2062	1000	0.1250	502	367	22.7
1x300	12/20	20.5	32.6	38	40	45	2358	1000	0.1000	577	414	28.3
1x400	12/20	22.9	35.0	40	43	47	2701	1000	0.0778	673	470	37.8
1x500	12/20	26.9	38.8	44	46	51	3177	1000	0.0605	801	540	47.2
1x630	12/20	30.5	42.4	47	50	55	3804	1000	0.0469	903	610	59.5
1x50	18/30	8.2	25.7	31	33	37	1396	1000	0.6410	184	152	4.7
1x70	18/30	9.8	26.8	32	34	38	1515	1000	0.4430	230	186	6.6
1x95	18/30	11.4	28.4	33	36	40	1672	1000	0.3200	280	221	9.0
1x120	18/30	13.1	30.1	35	38	42	1851	1000	0.2530	324	252	11.3
1x150	18/30	14.1	31.1	36	39	43	1968	1000	0.2060	368	281	14.2
1x185	18/30	15.9	32.9	38	40	45	2169	1000	0.1640	424	317	17.5
1x240	18/30	18.2	35.2	40	43	47	2471	1000	0.1250	502	367	22.7
1x300	18/30	20.5	37.5	42	45	50	2764	1000	0.1000	577	414	28.3
1x400	18/30	22.9	39.9	45	47	53	3151	1000	0.0778	673	470	37.8
1x500	18/30	26.9	43.7	49	51	56	3659	1000	0.0605	801	540	47.2
1x630	18/30	30.5	47.3	52	55	60	4317	1000	0.0469	903	610	59.5

3.6/6(7.2) - 18/30(36) KV
AL/XLPE/CTS/PVC/DSTA/PVC- NA2XSEYBY



Construction

- **Conductor**
  Stranded Aluminium wire according to IEC 60228
  - o Class 2 for Circular Stranded Compacted
- **Conductor Screen**
  Extruded Semi Conductive Compound
- **Insulation**
  XLPE Compound
- **Insulation Screen**
  Extruded Semi Conductive Compound
- **Metallic Screen**
  Plain Annealed Copper Tapes
- **Filler**
  PP Yarn Filler
- **Separation Sheath**
  PVC ST2 Compound
- **Metallic Armour**
  Double Galvanized Steel Tapes
- **Sheath**
  PVC ST2 Compound

Special Feature On Request

- EPR Insulation
- Flame Retardant Cat.A,B,C
- Flame Retardant Non Category
- Anti-termite
- Anti-Rodent
- Oil Resistance
- UV Resistance
- Low Smoke Zero Halogen

Cores Identification

- Brown,Black,Grey

Others colours available upon request

Applicable Standards

SNI IEC 60502-2	Design and Test Guidelines
IEC 60502-2	Design and Test Guidelines
IEC 60228	Conductor
IEC 60332-1	Flame Retardant
IEC 60332-3-22	Flame Retardant Cat. A
IEC 60332-3-23	Flame Retardant Cat. B
IE •0332-3-24	Flame Retardant Cat. C

IEC 60332-1
IEC 60332-3-22
IEC 60332-3-23
IEC 60332-3-24

STANDARD

EXCELLENT

0 °C

14 D

NORMAL OPERATION TEMPERATURE

SHORT CIRCUIT TEMPERATURE

3.6/6(7.2) – 18/30(36) KV
AL/XLPE/CTS/PVC/DSTA/PVC- NA2XSEYBY

DIMENSION & ELECTRICAL DATA

Cross Section (mm²)	Tension Uo/U (kV)	Conductor Diameter (mm)	Insulation Diameter (mm)	Sep. Sheath Diameter (mm)	Armour Diameter (mm)	Outer Sheath Diameter (mm)	Cable Weigth (kg/km)	Packaging (m)	Max.DC Resistance at 20°C (Ω/km)	Current Rating in air at 30°C (A)	Current Rating in Ground at 20°C (A)	Short Circuit Current for 1s (kA)
3x50	3.6/6	8.2	16.3	42	44	49	2845	1000	0.6410	159	140	4.7
3x70	3.6/6	9.8	17.4	44	47	51	3172	1000	0.4430	196	171	6.6
3x95	3.6/6	11.4	19.0	48	50	55	3669	1000	0.3200	238	204	9.0
3x120	3.6/6	13.1	20.7	51	54	59	4211	1000	0.2530	274	232	11.3
3x150	3.6/6	14.1	21.7	54	56	62	4598	1000	0.2060	309	259	14.2
3x185	3.6/6	15.9	23.4	57	60	65	5188	500	0.1640	354	293	17.5
3x240	3.6/6	18.2	25.8	62	65	71	6127	500	0.1250	415	338	22.7
3x300	3.6/6	20.5	28.0	67	70	76	7118	500	0.1000	472	380	28.3
3x50	6/10	8.2	16.7	43	45	50	2970	1000	0.6410	159	140	4.7
3x70	6/10	9.8	17.8	45	48	53	3302	1000	0.4430	196	171	6.6
3x95	6/10	11.4	19.4	49	51	56	3807	1000	0.3200	238	204	9.0
3x120	6/10	13.1	21.1	52	55	60	4330	1000	0.2530	274	232	11.3
3x150	6/10	14.1	22.1	54	57	63	4721	1000	0.2060	309	259	14.2
3x185	6/10	15.9	23.8	58	61	67	5317	500	0.1640	354	293	17.5
3x240	6/10	18.2	26.2	63	66	72	6265	500	0.1250	415	338	22.7
3x300	6/10	20.5	28.4	68	71	77	7263	500	0.1000	472	380	28.3
3x50	8.7/15	8.2	18.8	47	50	55	3425	1000	0.6410	159	140	4.7
3x70	8.7/15	9.8	19.9	50	52	58	3774	1000	0.4430	196	171	6.6
3x95	8.7/15	11.4	21.6	53	56	61	4332	1000	0.3200	238	204	9.0
3x120	8.7/15	13.1	23.3	57	59	65	4883	1000	0.2530	274	232	11.3
3x150	8.7/15	14.1	24.3	59	62	68	5291	500	0.2060	309	259	14.2
3x185	8.7/15	15.9	26.0	63	65	72	5914	500	0.1640	354	293	17.5
3x240	8.7/15	18.2	28.4	68	70	77	6902	500	0.1250	415	338	22.7
3x300	8.7/15	20.5	30.6	73	77	84	8687	500	0.1000	472	380	28.3
3x50	12/20	8.2	20.8	52	54	60	3895	1000	0.6410	159	140	4.7
3x70	12/20	9.8	21.9	54	57	62	4261	1000	0.4430	196	171	6.6
3x95	12/20	11.4	23.5	58	60	66	4816	1000	0.3200	238	204	9.0
3x120	12/20	13.1	25.2	61	64	70	5389	500	0.2530	274	232	11.3
3x150	12/20	14.1	26.2	63	66	72	5812	500	0.2060	309	259	14.2
3x185	12/20	15.9	28.0	67	70	76	6494	500	0.1640	354	293	17.5
3x240	12/20	18.2	30.3	72	76	83	8262	500	0.1250	415	338	22.7
3x300	12/20	20.5	32.6	77	81	88	9339	500	0.1000	472	380	28.3
3x50	18/30	8.2	25.7	62	65	71	5174	500	0.6410	159	140	4.7
3x70	18/30	9.8	26.8	65	67	74	5582	500	0.4430	196	171	6.6
3x95	18/30	11.4	28.4	68	71	77	6196	500	0.3200	238	204	9.0
3x120	18/30	13.1	30.1	72	76	83	7608	500	0.2530	274	232	11.3
3x150	18/30	14.1	31.1	74	78	85	8092	500	0.2060	309	259	14.2
3x185	18/30	15.9	32.9	78	82	89	8839	500	0.1640	354	293	17.5
3x240	18/30	18.2	35.2	83	87	95	10003	250	0.1250	415	338	22.7
3x300	18/30	20.5	37.5	88	92	100	11159	250	0.1000	472	380	28.3

3.6/6(7.2) - 18/30(36) KV
AL/XLPE/CTS/PVC/AWA/PVC- NA2XSYR(AL)Y

Construction

- **Conductor**
  Stranded Aluminium wire according to IEC 60228
  - Class 2 for Circular Stranded Compacted
- **Conductor Screen**
  Extruded Semi Conductive Compound
- **Insulation**
  XLPE Compound
- **Insulation Screen**
  Extruded Semi Conductive Compound
- **Metallic Screen**
  Plain Annealed Copper Tapes
- **Separation Sheath**
  PVC Compound ST 2
- **Metallic Armour**
  Aluminium Wires Armour
- **Sheath**
  PVC Compound ST 2

Special Feature On Request

- EPR Insulation
- Flame Retardant Cat.A,B,C
- Flame Retardant Non Category
- Anti-termite
- Anti-Rodent
- Oil Resistance
- UV Resistance
- Low Smoke Zero Halogen

Cores Identification

- Not Applicable

Applicable Standards

SNI IEC 60502-2	Design and Test Guidelines
IEC 60502-2	Design and Test Guidelines
IEC 60228	Conductor
IEC 60332-1	Flame Retardant
IEC 60332-3-22	Flame Retardant Cat. A
IEC 60332-3-23	Flame Retardant Cat. B
IEC 60332-3-24	Flame Retardant Cat. C

IEC 60332-1
IEC 60332-3-22
IEC 60332-3-23
IEC 60332-3-24

STANDARD

EXCELLENT

0 °C

14 D

NORMAL OPERATION TEMPERATURE

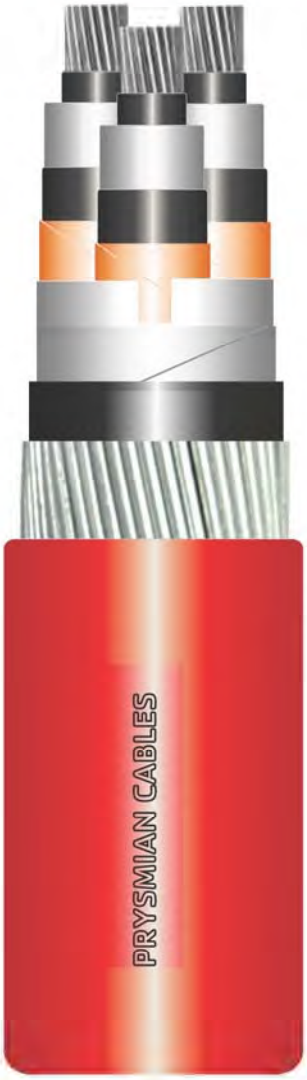
SHORT CIRCUIT TEMPERATURE

3.6/6(7.2) – 18/30(36) KV
AL/XLPE/CTS/PVC/AWA/PVC– NA2XSYR(AL)Y

DIMENSION & ELECTRICAL DATA

Cross Section (mm²)	Tension Uo/U (kV)	Conductor Diameter (mm)	Insulation Diameter (mm)	Sep. Sheath Diameter (mm)	Armour Diameter (mm)	Outer Sheath Diameter (mm)	Cable Weigth (kg/km)	Packaging (m)	Max.DC Resistance at 20°C (Ω/km)	Current Rating in air at 30°C (A)	Current Rating in Ground at 20°C (A)	Short Circuit Current for 1s (kA)
1x50	3.6/6	8.2	16.3	21	25	29	968	1000	0.6410	184	152	4.7
1x70	3.6/6	9.8	17.4	22	26	30	1060	1000	0.4430	230	186	6.6
1x95	3.6/6	11.4	19.0	24	27	32	1217	1000	0.3200	280	221	9.0
1x120	3.6/6	13.1	20.7	26	29	34	1355	1000	0.2530	324	252	11.3
1x150	3.6/6	14.1	21.7	27	30	35	1481	1000	0.2060	368	281	14.2
1x185	3.6/6	15.9	23.4	28	33	37	1744	1000	0.1640	424	317	17.5
1x240	3.6/6	18.2	25.8	31	35	40	2015	1000	0.1250	502	367	22.7
1x300	3.6/6	20.5	28.0	33	37	42	2312	1000	0.1000	577	414	28.3
1x400	3.6/6	22.9	30.1	35	39	45	2649	1000	0.0778	673	470	37.8
1x500	3.6/6	26.9	34.2	39	44	50	3291	1000	0.0605	801	540	47.2
1x630	3.6/6	30.5	37.9	43	48	54	3932	1000	0.0469	903	610	59.5
1x50	6/10	8.2	16.7	22	25	29	994	1000	0.6410	184	152	4.7
1x70	6/10	9.8	17.8	23	26	31	1095	1000	0.4430	230	186	6.6
1x95	6/10	11.4	19.4	24	28	32	1239	1000	0.3200	280	221	9.0
1x120	6/10	13.1	21.1	26	30	35	1478	1000	0.2530	324	252	11.3
1x150	6/10	14.1	22.1	27	31	36	1612	1000	0.2060	368	281	14.2
1x185	6/10	15.9	23.8	29	33	38	1779	1000	0.1640	424	317	17.5
1x240	6/10	18.2	26.2	31	35	40	2060	1000	0.1250	502	367	22.7
1x300	6/10	20.5	28.4	33	38	43	2359	1000	0.1000	577	414	28.3
1x400	6/10	22.9	30.9	36	41	47	2844	1000	0.0778	673	470	37.8
1x500	6/10	26.9	34.6	40	45	50	3335	1000	0.0605	801	540	47.2
1x630	6/10	30.5	38.3	43	48	54	3978	1000	0.0469	903	610	59.5
1x50	8.7/15	8.2	18.8	24	27	32	1127	1000	0.6410	184	152	4.7
1x70	8.7/15	9.8	19.9	25	28	33	1238	1000	0.4430	230	186	6.6
1x95	8.7/15	11.4	21.6	27	31	35	1469	1000	0.3200	280	221	9.0
1x120	8.7/15	13.1	23.3	28	32	37	1638	1000	0.2530	324	252	11.3
1x150	8.7/15	14.1	24.3	29	33	38	1759	1000	0.2060	368	281	14.2
1x185	8.7/15	15.9	26.0	31	35	40	1949	1000	0.1640	424	317	17.5
1x240	8.7/15	18.2	28.4	33	37	43	2240	1000	0.1250	502	367	22.7
1x300	8.7/15	20.5	30.6	36	40	45	2527	1000	0.1000	577	414	28.3
1x400	8.7/15	22.9	33.1	38	43	49	3044	1000	0.0778	673	470	37.8
1x500	8.7/15	26.9	36.8	42	47	53	3550	1000	0.0605	801	540	47.2
1x630	8.7/15	30.5	40.4	45	51	57	4207	1000	0.0469	903	610	59.5
1x50	12/20	8.2	20.8	26	29	34	1263	1000	0.6410	184	152	4.7
1x70	12/20	9.8	21.9	27	31	36	1455	1000	0.4430	230	186	6.6
1x95	12/20	11.4	23.5	29	33	38	1619	1000	0.3200	280	221	9.0
1x120	12/20	13.1	25.2	30	34	39	1795	1000	0.2530	324	252	11.3
1x150	12/20	14.1	26.2	31	35	40	1910	1000	0.2060	368	281	14.2
1x185	12/20	15.9	28.0	33	37	42	2116	1000	0.1640	424	317	17.5
1x240	12/20	18.2	30.3	35	39	45	2395	1000	0.1250	502	367	22.7
1x300	12/20	20.5	32.6	38	43	48	2874	1000	0.1000	577	414	28.3
1x400	12/20	22.9	35.0	40	45	51	3239	1000	0.0778	673	470	37.8
1x500	12/20	26.9	38.8	44	49	55	3757	1000	0.0605	801	540	47.2
1x630	12/20	30.5	42.4	47	52	59	4427	1000	0.0469	903	610	59.5
1x50	18/30	8.2	25.7	31	35	40	1702	1000	0.6410	184	152	4.7
1x70	18/30	9.8	26.8	32	36	41	1817	1000	0.4430	230	186	6.6
1x95	18/30	11.4	28.4	33	38	43	2005	1000	0.3200	280	221	9.0
1x120	18/30	13.1	30.1	35	39	45	2185	1000	0.2530	324	252	11.3
1x150	18/30	14.1	31.1	36	41	47	2461	1000	0.2060	368	281	14.2
1x185	18/30	15.9	32.9	38	43	49	2684	1000	0.1640	424	317	17.5
1x240	18/30	18.2	35.2	40	45	51	3021	1000	0.1250	502	367	22.7
1x300	18/30	20.5	37.5	42	48	54	3334	1000	0.1000	577	414	28.3
1x400	18/30	22.9	39.9	45	50	56	3759	1000	0.0778	673	470	37.8
1x500	18/30	26.9	43.7	49	54	60	4309	500	0.0605	801	540	47.2
1x630	18/30	30.5	47.3	52	57	64	5010	500	0.0469	903	610	59.5

3.6/6(7.2) - 18/30(36) KV
AL/XLPE/CTS/PVC/SWA/PVC- NA2XSEYRY



Construction

- **Conductor**
  Stranded Aluminium wire according to IEC 60228
  - Class 2 for Circular Stranded Compacted
- **Conductor Screen**
  Extruded Semi Conductive Compound
- **Insulation**
  XLPE Compound
- **Insulation Screen**
  Extruded Semi Conductive Compound
- **Metallic Screen**
  Plain Annealed Copper Tapes
- **Filler**
  PP Yarn Filler
- **Separation Sheath**
  PVC ST2 Compound
- **Metallic Armour**
  Galvanized Steel Wires Armour
- **Sheath**
  PVC ST2 Compound

Special Feature On Request

- EPR Insulation
- Flame Retardant Cat.A,B,C
- Flame Retardant Non Category
- Anti-termite
- Anti-Rodent
- Oil Resistance
- UV Resistance
- Low Smoke Zero Halogen

Cores Identification

- Brown,Black,Grey

Others Colour Available upon Request

Applicable Standards

SNI IEC 60502-2	Design and Test Guidelines
IEC 60502-2	Design and Test Guidelines
IEC 60228	Conductor
IEC 60332-1	Flame Retardant
IEC 60332-3-22	Flame Retardant Cat. A
IEC 60332-3-23	Flame Retardant Cat. B
IEC 60332-3-24	Flame Retardant Cat. C

IEC 60332-1
IEC 60332-3-22
IEC 60332-3-23
IEC 60332-3-24

STANDARD

EXCELLENT

0 °C

14 D

NORMAL OPERATION TEMPERATURE

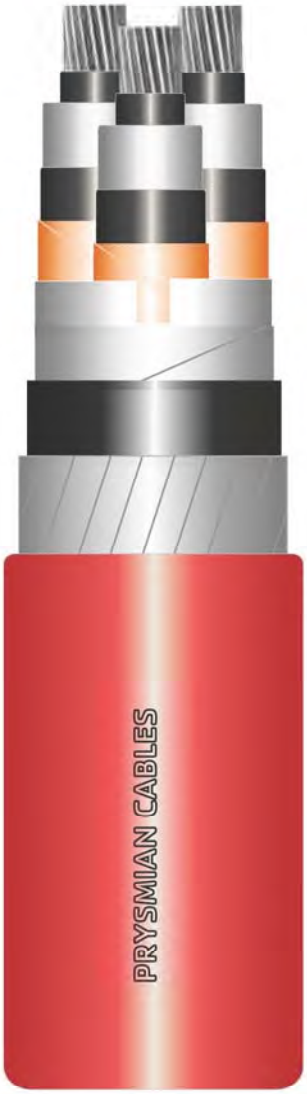
SHORT CIRCUIT TEMPERATURE

3.6/6(7.2) – 18/30(36) KV
AL/XLPE/CTS/PVC/SWA/PVC– NA2XSEYRY

DIMENSION & ELECTRICAL DATA

Cross Section (mm²)	Tension Uo/U (kV)	Conductor Diameter (mm)	Insulation Diameter (mm)	Sep. Sheath Diameter (mm)	Armour Diameter (mm)	Outer Sheath Diameter (mm)	Cable Weigth (kg/km)	Packaging (m)	Max.DC Resistance at 20°C (Ω/km)	Current Rating in air at 30°C (A)	Current Rating in Ground at 20°C (A)	Short Circuit Current for 1s (kA)
3x50	3.6/6	8.2	16	42	47	52	4290	1000	0.6410	159	140	4.7
3x70	3.6/6	9.8	17	45	50	54	4672	1000	0.4430	196	171	6.6
3x95	3.6/6	11.4	19	48	53	58	5323	500	0.3200	238	204	9.0
3x120	3.6/6	13.1	21	52	57	62	5960	500	0.2530	274	232	11.3
3x150	3.6/6	14.1	22	54	59	65	6407	500	0.2060	309	259	14.2
3x185	3.6/6	15.9	23	58	63	69	7118	500	0.1640	354	293	17.5
3x240	3.6/6	18.2	26	63	69	75	9048	500	0.1250	415	338	22.7
3x300	3.6/6	20.5	28	68	74	81	10254	250	0.1000	472	380	28.3
3x50	6/10	8.2	17	43	48	53	4459	1000	0.6410	159	140	4.7
3x70	6/10	9.8	18	45	50	56	4847	1000	0.4430	196	171	6.6
3x95	6/10	11.4	19	49	54	59	5474	500	0.3200	238	204	9.0
3x120	6/10	13.1	21	53	58	63	6117	500	0.2530	274	232	11.3
3x150	6/10	14.1	22	55	60	66	6569	500	0.2060	309	259	14.2
3x185	6/10	15.9	24	59	64	70	7286	500	0.1640	354	293	17.5
3x240	6/10	18.2	26	64	70	77	9293	500	0.1250	415	338	22.7
3x300	6/10	20.5	28	68	75	82	10463	250	0.1000	472	380	28.3
3x50	8.7/15	8.2	19	48	53	58	5061	500	0.6410	159	140	4.7
3x70	8.7/15	9.8	20	50	55	61	5467	500	0.4430	196	171	6.6
3x95	8.7/15	11.4	22	54	59	65	6155	500	0.3200	238	204	9.0
3x120	8.7/15	13.1	23	57	62	68	6827	500	0.2530	274	232	11.3
3x150	8.7/15	14.1	24	59	66	72	8065	500	0.2060	309	259	14.2
3x185	8.7/15	15.9	26	63	70	76	8885	500	0.1640	354	293	17.5
3x240	8.7/15	18.2	28	68	75	82	10103	250	0.1250	415	338	22.7
3x300	8.7/15	20.5	31	73	79	87	11356	250	0.1000	472	380	28.3
3x50	12/20	8.2	21	52	57	63	5651	500	0.6410	159	140	4.7
3x70	12/20	9.8	22	54	59	65	6115	500	0.4430	196	171	6.6
3x95	12/20	11.4	24	58	63	69	6793	500	0.3200	238	204	9.0
3x120	12/20	13.1	25	62	68	74	8306	500	0.2530	274	232	11.3
3x150	12/20	14.1	26	64	70	77	8840	500	0.2060	309	259	14.2
3x185	12/20	15.9	28	67	74	81	9644	500	0.1640	354	293	17.5
3x240	12/20	18.2	30	72	79	86	10880	250	0.1250	415	338	22.7
3x300	12/20	20.5	33	77	84	91	12118	250	0.1000	472	380	28.3
3x50	18/30	8.2	26	63	69	75	8111	500	0.6410	159	140	4.7
3x70	18/30	9.8	27	65	71	78	8626	500	0.4430	196	171	6.6
3x95	18/30	11.4	28	68	75	82	9442	500	0.3200	238	204	9.0
3x120	18/30	13.1	30	72	78	86	10235	250	0.2530	274	232	11.3
3x150	18/30	14.1	31	74	81	88	10810	250	0.2060	309	259	14.2
3x185	18/30	15.9	33	78	84	92	11677	250	0.1640	354	293	17.5
3x240	18/30	18.2	35	83	89	98	13007	250	0.1250	415	338	22.7
3x300	18/30	20.5	38	88	94	103	14447	250	0.1000	472	380	28.3

3.6/6(7.2) - 18/30(36) KV
AL/XLPE/CTS/PVC/SFA/PVC- NA2XSEYFY



Construction

- **Conductor**
  Stranded Aluminium wire according to IEC 60228
  - Class 2 for Circular Stranded Compacted
- **Conductor Screen**
  Extruded Semi Conductive Compound
- **Insulation**
  XLPE Compound
- **Insulation Screen**
  Extruded Semi Conductive Compound
- **Metallic Screen**
  Plain Annealed Copper Tapes
- **Filler**
  PP Yarn Filler
- **Separation Sheath**
  PVC ST2 Compound
- **Metallic Armour**
  Galvanized Steel Flat Armour
- **Sheath**
  PVC ST2 Compound

Special Feature On Request

- EPR Insulation
- Flame Retardant Cat.A,B,C
- Flame Retardant Non Category
- Anti-termite
- Anti-Rodent
- Oil Resistance
- UV Resistance
- Low Smoke Zero Halogen

Cores Identification

- Brown,Black,Grey
  Others colour available upon request

Applicable Standards

SNI IEC 60502-2	Design and Test Guidelines
IEC 60502-2	Design and Test Guidelines
IEC 60228	Conductor
IEC 60332-1	Flame Retardant
IEC 60332-3-22	Flame Retardant Cat. A
IEC 60332-3-23	Flame Retardant Cat. B
IEC 60332-3-24	Flame Retardant Cat. C

IEC 60332-1 IEC 60332-3-22 IEC 60332-3-23 IEC 60332-3-24	STANDARD	EXCELLENT	0 °C	14 D		90°C NORMAL OPERATION TEMPERATURE	250°C SHORT CIRCUIT TEMPERATURE

3.6/6(7.2) – 18/30(36) KV
AL/XLPE/CTS/PVC/SFA/PVC– NA2XSEYFY

DIMENSION & ELECTRICAL DATA

Cross Section (mm²)	Tension Uo/U (kV)	Conductor Diameter (mm)	Insulation Diameter (mm)	Sep. Sheath Diameter (mm)	Armour Diameter (mm)	Outer Sheath Diameter (mm)	Cable Weigth (kg/km)	Packaging (m)	Max.DC Resistance at 20°C (Ω/km)	Current Rating in air at 30°C (A)	Current Rating in Ground at 20°C (A)	Short Circuit Current for 1s (kA)
3x50	3.6/6	8.2	16.3	42	43	48	2915	1000	0.6410	159	140	4.7
3x70	3.6/6	9.8	17.4	44	46	51	3277	1000	0.4430	196	171	6.6
3x95	3.6/6	11.4	19.0	48	49	55	3796	1000	0.3200	238	204	9
3x120	3.6/6	13.1	20.7	51	53	59	4304	1000	0.2530	274	232	11.3
3x150	3.6/6	14.1	21.7	53	55	61	4707	1000	0.2060	309	259	14.2
3x185	3.6/6	15.9	23.4	57	59	65	5313	500	0.1640	354	293	17.5
3x240	3.6/6	18.2	25.8	62	64	70	6246	500	0.1250	415	338	22.7
3x300	3.6/6	20.5	28.0	67	69	76	7261	500	0.1000	472	380	28.3
3x50	6/10	8.2	16.7	43	44	50	3051	1000	0.6410	159	140	4.7
3x70	6/10	9.8	17.8	45	47	52	3394	1000	0.4430	196	171	6.6
3x95	6/10	11.4	19.4	48	50	56	3893	1000	0.3200	238	204	9
3x120	6/10	13.1	21.1	52	54	60	4434	1000	0.2530	274	232	11.3
3x150	6/10	14.1	22.1	54	56	62	4814	1000	0.2060	309	259	14.2
3x185	6/10	15.9	23.8	58	60	66	5457	500	0.1640	354	293	17.5
3x240	6/10	18.2	26.2	63	65	72	6394	500	0.1250	415	338	22.7
3x300	6/10	20.5	28.4	68	69	77	7392	500	0.1000	472	380	28.3
3x50	8.7/15	8.2	18.8	47	49	55	3532	1000	0.6410	159	140	4.7
3x70	8.7/15	9.8	19.9	50	51	57	3894	1000	0.4430	196	171	6.6
3x95	8.7/15	11.4	21.6	53	55	61	4445	1000	0.3200	238	204	9
3x120	8.7/15	13.1	23.3	57	58	65	4987	1000	0.2530	274	232	11.3
3x150	8.7/15	14.1	24.3	59	61	67	5411	500	0.2060	309	259	14.2
3x185	8.7/15	15.9	26.0	63	64	71	6051	500	0.1640	354	293	17.5
3x240	8.7/15	18.2	28.4	68	69	77	7032	500	0.1250	415	338	22.7
3x300	8.7/15	20.5	30.6	73	74	82	8093	500	0.1000	472	380	28.3
3x50	12/20	8.2	20.8	51	53	59	3984	1000	0.6410	159	140	4.7
3x70	12/20	9.8	21.9	54	55	62	4363	1000	0.4430	196	171	6.6
3x95	12/20	11.4	23.5	57	59	66	4967	1000	0.3200	238	204	9
3x120	12/20	13.1	25.2	61	63	69	5534	500	0.2530	274	232	11.3
3x150	12/20	14.1	26.2	63	65	72	5974	500	0.2060	309	259	14.2
3x150	12/20	15.9	28.0	67	68	76	6639	500	0.1640	354	293	17.5
3x240	12/20	18.2	30.3	72	74	81	7657	500	0.1250	415	338	22.7
3x300	12/20	20.5	32.6	77	78	86	8712	500	0.1000	472	380	28.3
3x50	18/30	8.2	25.7	62	64	70	5296	500	0.6410	159	140	4.7
3x70	18/30	9.8	26.8	64	66	73	5717	500	0.4430	196	171	6.6
3x95	18/30	11.4	28.4	68	70	77	6324	500	0.3200	238	204	9.0
3x120	18/30	13.1	30.1	72	73	81	7014	500	0.2530	274	232	11.3
3x150	18/30	14.1	31.1	74	75	83	7466	500	0.2060	309	259	14.2
3x185	18/30	15.9	32.9	77	79	87	8194	500	0.1640	354	293	17.5
3x240	18/30	18.2	35.2	83	84	93	9327	500	0.1250	415	338	22.7
3x300	18/30	20.5	37.5	87	89	98	10435	250	0.1000	472	380	28.3

3.6/6(7.2) - 18/30(36) KV
AL/XLPE/CTS/LS/PVC- NA2XSEKY

Construction

- **Conductor**
  Stranded Aluminium wire according to IEC 60228
  - Class 2 for Circular Stranded Compacted
- **Conductor Screen**
  Extruded Semi Conductive Compound
- **Insulation**
  XLPE Compound
- **Insulation Screen**
  Extruded Semi Conductive Compound
- **Metallic Screen**
  Plain Annealed Copper Tapes
- **Filler**
  PP Yarn Filler
- **Metallic Sheath**
  Lead Alloy Sheath
- **Sheath**
  PVC ST2 Compound

Special Feature On Request

- EPR Insulation
- Flame Retardant Cat.A,B,C
- Flame Retardant Non Category
- Anti-termite
- Anti-Rodent
- Oil Resistance
- UV Resistance
- Low Smoke Zero Halogen

Cores Identification

- Brown,Black,Grey

Others colours available upon request

Applicable Standards

• SNI IEC 60502-2	Design and Test Guidelines
• IEC 60502-2	Design and Test Guidelines
• IEC 60228	Conductor
• IEC 60332-1	Flame Retardant
• IEC 60332-3-22	Flame Retardant Cat. A
• IEC 60332-3-23	Flame Retardant Cat. B
• IEC 60332-3-24	Flame Retardant Cat. C


IEC 60332-1
IEC 60332-3-22
IEC 60332-3-23
IEC 60332-3-24


STANDARD


EXCELLENT


0 °C


14 D

NORMAL OPERATION TEMPERATURE

SHORT CIRCUIT TEMPERATURE

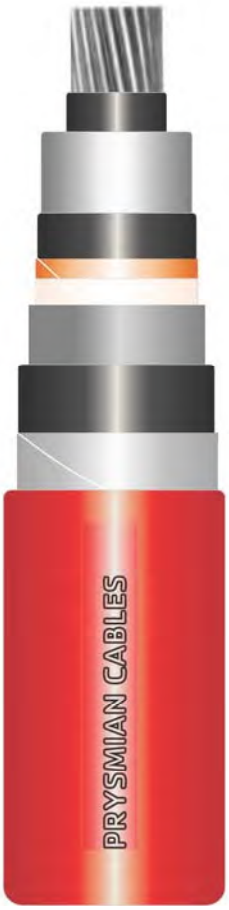
3.6/6(7.2) - 18/30(36) KV
AL/XLPE/CTS/LS/PVC- NA2XSEKY

DIMENSION & ELECTRICAL DATA

Cross Section (mm²)	Tension Uo/U (kV)	Conductor Diameter (mm)	Insulation Diameter (mm)	Metallic Sheath Diamater (mm)	Outer Sheath Diameter (mm)	Cable Weigth (kg/km)	Packaging (m)	Max.DC Resistance at 20°C (Ω/km)	Current Rating in air at 30°C (A)	Current Rating in Ground at 20°C (A)	Short Circuit Current for 1s (kA)
3x50	3.6/6	8.2	16	42	46	4375	1000	0.641	159	140	4.7
3x70	3.6/6	9.8	17	45	49	4954	1000	0.443	196	171	6.6
3x95	3.6/6	11.4	19	48	53	5800	500	0.320	238	204	9.0
3x120	3.6/6	13.1	21	52	57	6674	500	0.253	274	232	11.3
3x150	3.6/6	14.1	22	55	60	7363	500	0.206	309	259	14.2
3x185	3.6/6	15.9	23	59	64	8569	500	0.1640	354	293	17.5
3x240	3.6/6	18.2	26	64	70	10047	250	0.1250	415	338	22.7
3x300	3.6/6	20.5	28	69	76	11838	250	0.1000	472	380	28.3
3x50	6/10	8.2	17	43	48	4662	1000	0.641	159	140	4.7
3x70	6/10	9.8	18	46	51	5280	500	0.443	196	171	6.6
3x95	6/10	11.4	19	49	55	6127	500	0.320	238	204	9.0
3x120	6/10	13.1	21	53	59	7023	500	0.253	274	232	11.3
3x150	6/10	14.1	22	56	61	7926	500	0.206	309	259	14.2
3x185	6/10	15.9	24	60	66	8991	500	0.1640	354	293	17.5
3x240	6/10	18.2	26	65	71	10470	250	0.1250	415	338	22.7
3x300	6/10	20.5	28	70	77	12294	250	0.1000	472	380	28.3
3x50	8.7/15	8.2	19	48	53	5682	500	0.641	159	140	4.7
3x70	8.7/15	9.8	20	51	56	6357	500	0.443	196	171	6.6
3x95	8.7/15	11.4	22	55	60	7467	500	0.320	238	204	9.0
3x120	8.7/15	13.1	23	58	64	8448	500	0.253	274	232	11.3
3x150	8.7/15	14.1	24	61	67	8997	500	0.206	309	259	14.2
3x185	8.7/15	15.9	26	65	71	10089	250	0.1640	354	293	17.5
3x240	8.7/15	18.2	28	70	77	11922	250	0.1250	415	338	22.7
3x300	8.7/15	20.5	31	75	82	13586	250	0.1000	472	380	28.3
3x50	12/20	8.2	21	53	58	6550	500	0.641	159	140	4.7
3x70	12/20	9.8	22	55	61	7438	500	0.443	196	171	6.6
3x95	12/20	11.4	24	59	65	8417	500	0.320	238	204	9.0
3x120	12/20	13.1	25	63	69	9483	500	0.253	274	232	11.3
3x150	12/20	14.1	26	65	72	10287	250	0.206	309	259	14.2
3x185	12/20	15.9	28	69	76	11448	250	0.1640	354	293	17.5
3x240	12/20	18.2	30	75	82	13121	250	0.1250	415	338	22.7
3x300	12/20	20.5	33	80	87	14812	250	0.1000	472	380	28.3
3x50	18/30	8.2	26	64	70	9532	500	0.641	159	140	4.7
3x70	18/30	9.8	27	67	73	10348	250	0.443	196	171	6.6
3x95	18/30	11.4	28	70	77	11478	250	0.320	238	204	9.0
3x120	18/30	13.1	30	74	81	12703	250	0.253	274	232	11.3
3x150	18/30	14.1	31	77	84	13618	250	0.206	309	259	14.2
3x185	18/30	15.9	33	81	88	14932	250	0.1640	354	293	17.5
3x240	18/30	18.2	35	86	94	17116	250	0.1250	415	338	22.7
3x300	18/30	20.5	38	91	99	19012	250	0.1000	472	380	28.3

3.6/6(7.2) - 18/30(36) KV

AL/XLPE/CTS/LS/PVC/DATA/PVC- NA2XSKB(AL)Y



Construction

- **Conductor**
  Stranded Aluminium wire according to IEC 60228
  - Class 2 for Circular Stranded Compacted
- **Conductor Screen**
  Extruded Semi Conductive Compound
- **Insulation**
  XLPE Compound
- **Insulation Screen**
  Extruded Semi Conductive Compound
- **Metallic Screen**
  Plain Annealed Copper Tapes
- **Metallic Sheath**
  Lead Alloy Sheath
- **Separation Sheath**
  PVC Compound ST 2
- **Metallic Armour**
  Double Aluminium Tapes
- **Sheath**
  PVC Compound ST 2

Special Feature On Request

- EPR Insulation
- Flame Retardant Cat.A,B,C
- Flame Retardant Non Category
- Anti-termite
- Anti-Rodent
- Oil Resistance
- UV Resistance
- Low Smoke Zero Halogen

Cores Identification

- Not Applicable

Applicable Standards

SNI IEC 60502-2	Design and Test Guidelines
IEC 60502-2	Design and Test Guidelines
IEC 60228	Conductor
IEC 60332-1	Flame Retardant
IEC 60332-3-22	Flame Retardant Cat. A
IEC 60332-3-23	Flame Retardant Cat. B
IEC 60332-3-24	Flame Retardant Cat. C

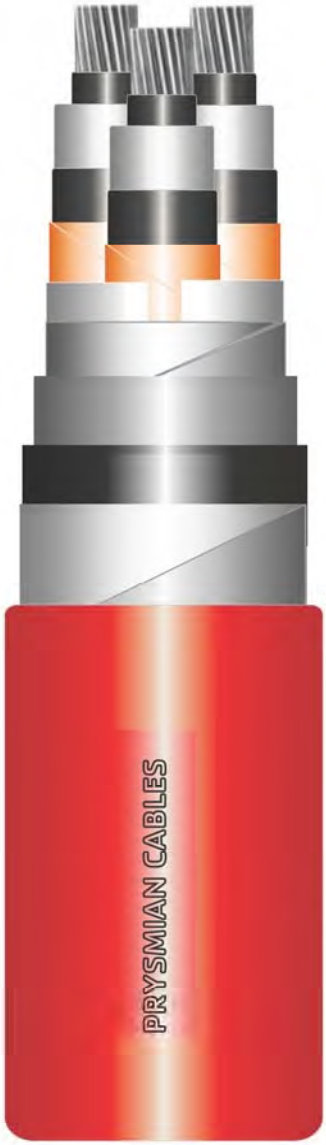
IEC 60332-1 IEC 60332-3-22 IEC 60332-3-23 IEC 60332-3-24	STANDARD	EXCELLENT	0 °C	14 D	NORMAL OPERATION TEMPERATURE	SHORT CIRCUIT TEMPERATURE
					90°C	250°C

3.6/6(7.2) – 18/30(36) KV
AL/XLPE/CTS/LS/PVC/DATA/PVC– NA2XSKB(AL)Y

DIMENSION & ELECTRICAL DATA

Cross Section (mm²)	Tension Uo/U (kV)	Conductor Diameter (mm)	Insulation Diameter (mm)	Metallic Screen Diameter (mm)	Metallic Sheath Diameter (mm)	Sep. Sheath Diameter (mm)	Armour Diameter (mm)	Outer Sheath Diameter (mm)	Cable Weigth (kg/km)	Packaging (m)	Max.DC Resistance at 20°C (Ω/km)	Current Rating in air at 30°C (A)	Current Rating in Ground at 20°C (A)	Short Circuit Current for 1s (kA)
1x50	3.6/6	8.2	16	18	22	25	27	30	2152	1000	0.641	184	152	4.7
1x70	3.6/6	9.8	17	19	23	26	28	32	2322	1000	0.443	230	186	6.6
1x95	3.6/6	11.4	19	20	24	27	30	34	2575	1000	0.320	280	221	9.0
1x120	3.6/6	13.1	21	22	26	29	32	35	2820	1000	0.253	324	252	11.3
1x150	3.6/6	14.1	22	23	27	30	33	37	3003	1000	0.206	368	281	14.2
1x185	3.6/6	15.9	23	25	29	32	34	38	3268	1000	0.164	424	317	17.5
1x240	3.6/6	18.2	26	27	31	34	37	41	3683	1000	0.125	502	367	22.7
1x300	3.6/6	20.5	28	29	33	36	39	43	4106	1000	0.100	577	414	28.3
1x400	3.6/6	22.9	30	32	36	39	41	46	4539	1000	0.0778	673	470	37.8
1x500	3.6/6	26.9	34	36	40	43	45	50	5447	500	0.0605	801	540	47.2
1x630	3.6/6	30.5	38	39	44	47	49	54	6454	500	0.0469	903	610	59.5
1x50	6/10	8.2	17	18	22	25	28	31	2213	1000	0.641	184	152	4.7
1x70	6/10	9.8	18	19	23	26	29	32	2385	1000	0.443	230	186	6.6
1x95	6/10	11.4	19	21	25	28	30	34	2624	1000	0.320	280	221	9.0
1x120	6/10	13.1	21	23	27	30	32	36	2886	1000	0.253	324	252	11.3
1x150	6/10	14.1	22	24	28	31	33	37	3053	1000	0.206	368	281	14.2
1x185	6/10	15.9	24	25	29	32	35	39	3337	1000	0.164	424	317	17.5
1x240	6/10	18.2	26	28	32	35	37	41	3755	1000	0.125	502	367	22.7
1x300	6/10	20.5	28	30	34	37	39	44	4180	1000	0.100	577	414	28.3
1x400	6/10	22.9	31	32	36	39	42	47	4667	1000	0.0778	673	470	37.8
1x500	6/10	26.9	35	36	40	43	46	51	5506	500	0.0605	801	540	47.2
1x630	6/10	30.5	38	40	44	47	50	55	6516	500	0.0469	903	610	59.5
1x50	8.7/15	8.2	19	20	24	27	30	33	2477	1000	0.641	184	152	4.7
1x70	8.7/15	9.8	20	21	25	28	31	35	2638	1000	0.443	230	186	6.6
1x95	8.7/15	11.4	22	23	27	30	33	36	2899	1000	0.320	280	221	9.0
1x120	8.7/15	13.1	23	25	29	32	34	38	3168	1000	0.253	324	252	11.3
1x150	8.7/15	14.1	24	26	30	33	35	39	3339	1000	0.206	368	281	14.2
1x185	8.7/15	15.9	26	27	31	34	37	41	3630	1000	0.164	424	317	17.5
1x240	8.7/15	18.2	28	30	34	37	39	44	4057	1000	0.125	502	367	22.7
1x300	8.7/15	20.5	31	32	36	39	42	46	4470	1000	0.100	577	414	28.3
1x400	8.7/15	22.9	33	34	39	42	44	49	5129	500	0.0778	673	470	37.8
1x500	8.7/15	26.9	37	38	43	46	48	53	6003	500	0.0605	801	540	47.2
1x630	8.7/15	30.5	40	42	46	49	52	57	7048	500	0.0469	903	610	59.5
1x50	12/20	8.2	21	22	26	29	32	36	2726	1000	0.641	184	152	4.7
1x70	12/20	9.8	22	23	27	30	33	37	2890	1000	0.443	230	186	6.6
1x95	12/20	11.4	24	25	29	32	35	39	3157	1000	0.320	280	221	9.0
1x120	12/20	13.1	25	27	31	34	36	40	3414	1000	0.253	324	252	11.3
1x150	12/20	14.1	26	28	32	35	37	41	3607	1000	0.206	368	281	14.2
1x185	12/20	15.9	28	29	33	36	39	43	3905	1000	0.164	424	317	17.5
1x240	12/20	18.2	30	32	36	39	41	46	4320	1000	0.125	502	367	22.7
1x300	12/20	20.5	33	34	38	41	44	48	4761	1000	0.100	577	414	28.3
1x400	12/20	22.9	35	36	41	44	46	51	5413	500	0.0778	673	470	37.8
1x500	12/20	26.9	39	40	45	48	50	55	6305	500	0.0605	801	540	47.2
1x630	12/20	30.5	42	44	48	51	54	59	7396	500	0.0469	903	610	59.5
1x50	18/30	8.2	26	27	31	34	37	41	3371	1000	0.641	184	152	4.7
1x70	18/30	9.8	27	28	32	35	38	42	3544	1000	0.443	230	186	6.6
1x95	18/30	11.4	28	30	34	37	39	44	3827	1000	0.320	280	221	9.0
1x120	18/30	13.1	30	32	36	39	41	46	4227	1000	0.253	324	252	11.3
1x150	18/30	14.1	31	33	37	40	42	47	4434	1000	0.206	368	281	14.2
1x185	18/30	15.9	33	34	39	42	44	49	4895	1000	0.164	424	317	17.5
1x240	18/30	18.2	35	37	41	44	47	51	5346	500	0.125	502	367	22.7
1x300	18/30	20.5	38	39	43	47	49	54	5979	500	0.100	577	414	28.3
1x400	18/30	22.9	40	41	46	49	52	57	6893	500	0.0778	673	470	37.8
1x500	18/30	26.9	44	45	50	53	56	62	7893	500	0.0605	801	540	47.2
1x630	18/30	30.5	47	49	54	57	60	66	9061	500	0.0469	903	610	59.5

3.6/6(7.2) - 18/30(36) KV
AL/XLPE/CTS/LS/PVC/DSTA/PVC- NA2XSEKBY



Construction

- **Conductor**
  Stranded Aluminium wire according to IEC 60228
  - Class 2 for Circular Stranded Compacted
- **Conductor Screen**
  Extruded Semi Conductive Compound
- **Insulation**
  XLPE Compound
- **Insulation Screen**
  Extruded Semi Conductive Compound
- **Metallic Screen**
  Plain Annealed Copper Tapes
- **Filler**
  PP Yarn Filler
- **Metallic Sheath**
  Lead Alloy Sheath
- **Separation Sheath**
  PVC ST2 Compound
- **Metallic Armour**
  Double Galvanized Steel Tapes
- **Sheath**
  PVC ST2 Compound

Special Feature On Request

- EPR Insulation
- Flame Retardant Cat.A,B,C
- Flame Retardant Non Category
- Anti-termite
- Anti-Rodent
- Oil Resistance
- UV Resistance
- Low Smoke Zero Halogen

Cores Identification

- Brown,Black,Grey
  Others colours available upon request

Applicable Standards

SNI IEC 60502-2	Design and Test Guidelines
IEC 60502-2	Design and Test Guidelines
IEC 60228	Conductor
IEC 60332-1	Flame Retardant
IEC 60332-3-22	Flame Retardant Cat. A
IEC 60332-3-23	Flame Retardant Cat. B
IEC 60332-3-24	Flame Retardant Cat. C


IEC 60332-1
IEC 60332-3-22
IEC 60332-3-23
IEC 60332-3-24


STANDARD


EXCELLENT


0 °C


14 D

NORMAL OPERATION TEMPERATURE

SHORT CIRCUIT TEMPERATURE

3.6/6(7.2) – 18/30(36) KV
AL/XLPE/CTS/LS/PVC/DSTA/PVC– NA2XSEKBY

DIMENSION & ELECTRICAL DATA

(mm²)	(kV)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(m)	(Ω/km)	at 30°C (A)	at 20°C (A)
3x50	3.6/6	8.2	16	42	45	48	52	5544	500	0.641	159	140
3x70	3.6/6	9.8	17	45	48	50	55	6191	500	0.443	196	171
3x95	3.6/6	11.4	19	48	51	54	59	7107	500	0.320	238	204
3x120	3.6/6	13.1	21	52	55	58	63	8105	500	0.253	274	232
3x150	3.6/6	14.1	22	55	58	60	66	8855	500	0.206	309	259
3x185	3.6/6	15.9	23	59	62	64	70	10166	250	0.1640	354	293
3x240	3.6/6	18.2	26	64	67	70	76	11779	250	0.1250	415	338
3x300	3.6/6	20.5	28	69	72	76	83	14447	250	0.1000	472	380
3x50	6/10	8.2	17	43	46	49	54	5864	500	0.641	159	140
3x70	6/10	9.8	18	46	49	51	57	6551	500	0.443	196	171
3x95	6/10	11.4	19	49	52	55	61	7492	500	0.320	238	204
3x120	6/10	13.1	21	53	56	59	65	8485	500	0.253	274	232
3x150	6/10	14.1	22	56	59	61	67	9454	500	0.206	309	259
3x185	6/10	15.9	24	60	63	65	72	10588	250	0.1640	354	293
3x240	6/10	18.2	26	65	68	72	79	12973	250	0.1250	415	338
3x300	6/10	20.5	28	70	73	77	84	14944	250	0.1000	472	380
3x50	8.7/15	8.2	19	48	51	54	59	7012	500	0.641	159	140
3x70	8.7/15	9.8	20	51	54	56	62	7729	500	0.443	196	171
3x95	8.7/15	11.4	22	55	58	60	66	8965	500	0.320	238	204
3x120	8.7/15	13.1	23	59	62	64	70	10044	250	0.253	274	232
3x150	8.7/15	14.1	24	61	64	66	73	10649	250	0.206	309	259
3x185	8.7/15	15.9	26	65	68	72	79	12574	250	0.1640	354	293
3x240	8.7/15	18.2	28	70	73	77	84	14606	250	0.1250	415	338
3x300	8.7/15	20.5	31	75	78	82	90	16409	250	0.1000	472	380
3x50	12/20	8.2	21	53	56	58	64	7994	500	0.641	159	140
3x70	12/20	9.8	22	55	58	61	67	8955	500	0.443	196	171
3x95	12/20	11.4	24	59	62	65	71	10027	250	0.320	238	204
3x120	12/20	13.1	25	63	66	69	75	11193	250	0.253	274	232
3x150	12/20	14.1	26	65	68	72	79	12765	250	0.206	309	259
3x185	12/20	15.9	28	69	72	76	83	14062	250	0.1640	354	293
3x240	12/20	18.2	30	75	78	82	89	15925	250	0.1250	415	338
3x300	12/20	20.5	33	80	83	87	95	17831	250	0.1000	472	380
3x50	18/30	8.2	26	64	67	70	76	11273	250	0.641	159	140
3x70	18/30	9.8	27	67	70	74	81	12912	250	0.443	196	171
3x95	18/30	11.4	28	71	74	78	85	14175	250	0.320	238	204
3x120	18/30	13.1	30	74	77	81	89	15498	250	0.253	274	232
3x150	18/30	14.1	31	77	80	84	91	16499	250	0.206	309	259
3x185	18/30	15.9	33	81	84	88	96	17995	250	0.1640	354	293
3x240	18/30	18.2	35	86	89	93	102	20375	250	0.1250	415	338
3x300	18/30	20.5	38	91	94	98	107	22447	250	0.1000	472	380

3.6/6(7.2) - 18/30(36) KV

AL/XLPE/CTS/LS/PVC/AWA/PVC- NA2XSKYR(AL)Y

Construction

- **Conductor**
  Stranded Aluminium wire according to IEC 60228
  - Class 2 for Circular Stranded Compacted
- **Conductor Screen**
  Extruded Semi Conductive Compound
- **Insulation**
  XLPE Compound
- **Insulation Screen**
  Extruded Semi Conductive Compound
- **Metallic Screen**
  Plain Annealed Copper Tapes
- **Metallic Sheath**
  Lead Alloy Sheath
- **Separation Sheath**
  PVC Compound ST 2
- **Metallic Armour**
  Aluminium Wires
- **Sheath**
  PVC Compound ST 2

Special Feature On Request

- EPR Insulation
- Flame Retardant Cat.A,B,C
- Flame Retardant Non Category
- Anti-termite
- Anti-Rodent
- Oil Resistance
- UV Resistance
- Low Smoke Zero Halogen

Cores Identification

- Not Applicable

Applicable Standards

SNI IEC 60502-2	Design and Test Guidelines
IEC 60502-2	Design and Test Guidelines
IEC 60228	Conductor
IEC 60332-1	Flame Retardant
IEC 60332-3-22	Flame Retardant Cat. A
IEC 60332-3-23	Flame Retardant Cat. B
IEC 60332-3-24	Flame Retardant Cat. C

IEC 60332-1
IEC 60332-3-22
IEC 60332-3-23
IEC 60332-3-24

STANDARD

EXCELLENT

0 °C

14 D

NORMAL OPERATION TEMPERATURE

SHORT CIRCUIT TEMPERATURE

3.6/6(7.2) – 18/30(36) KV
AL/XLPE/CTS/LS/PVC/AWA/PVC– NA2XSKYR(AL)Y

DIMENSION & ELECTRICAL DATA

Cross Section (mm²)	Tension Uo/U (kV)	Conductor Diameter (mm)	Insulation Diameter (mm)	Metallic Sheath Diameter (mm)	Sep. Sheath Diameter (mm)	Armour Diameter (mm)	Outer Sheath Diameter (mm)	Cable Weigth (kg/km)	Packaging (m)	Max.DC Resistance at 20°C (Ω/km)	Current Rating in air at 30°C (A)	Current Rating in Ground at 20°C (A)	Short Circuit Current for 1s (kA)
1x50	3.6/6	8.2	16	22	25	28	31	2328	1000	0.641	184	152	4.7
1x70	3.6/6	9.8	17	23	26	29	32	2491	1000	0.443	230	186	6.6
1x95	3.6/6	11.4	19	24	27	32	35	2836	1000	0.320	280	221	9.0
1x120	3.6/6	13.1	21	26	29	33	37	3112	1000	0.253	324	252	11.3
1x150	3.6/6	14.1	22	27	30	34	38	3293	1000	0.206	368	281	14.2
1x185	3.6/6	15.9	23	29	32	36	40	3591	1000	0.164	424	317	17.5
1x240	3.6/6	18.2	26	31	34	38	43	4030	1000	0.125	502	367	22.7
1x300	3.6/6	20.5	28	33	36	42	46	4609	1000	0.100	577	414	28.3
1x400	3.6/6	22.9	30	36	39	44	48	5083	500	0.0778	673	470	37.8
1x500	3.6/6	26.9	34	40	43	48	53	6045	500	0.0605	801	540	47.2
1x630	3.6/6	30.5	38	44	47	52	57	7116	500	0.0469	903	610	59.5
1x50	6/10	8.2	17	22	25	28	32	2373	1000	0.641	184	152	4.7
1x70	6/10	9.8	18	23	26	30	34	2633	1000	0.443	230	186	6.6
1x95	6/10	11.4	19	25	28	32	36	2912	1000	0.320	280	221	9.0
1x120	6/10	13.1	21	27	30	34	37	3169	1000	0.253	324	252	11.3
1x150	6/10	14.1	22	28	31	35	39	3363	1000	0.206	368	281	14.2
1x185	6/10	15.9	24	29	32	36	41	3673	1000	0.164	424	317	17.5
1x240	6/10	18.2	26	32	35	39	43	4090	1000	0.125	502	367	22.7
1x300	6/10	20.5	28	34	37	42	47	4702	1000	0.100	577	414	28.3
1x400	6/10	22.9	31	36	39	44	49	5228	500	0.0778	673	470	37.8
1x500	6/10	26.9	35	40	43	48	53	6117	500	0.0605	801	540	47.2
1x630	6/10	30.5	38	44	47	52	57	7178	500	0.0469	903	610	59.5
1x50	8.7/15	8.2	19	24	27	31	35	2759	1000	0.641	184	152	4.7
1x70	8.7/15	9.8	20	25	28	32	36	2924	1000	0.443	230	186	6.6
1x95	8.7/15	11.4	22	27	30	34	38	3210	1000	0.320	280	221	9.0
1x120	8.7/15	13.1	23	29	32	36	40	3474	1000	0.253	324	252	11.3
1x150	8.7/15	14.1	24	30	33	37	41	3672	1000	0.206	368	281	14.2
1x185	8.7/15	15.9	26	31	34	38	43	3966	1000	0.164	424	317	17.5
1x240	8.7/15	18.2	28	34	37	42	47	4579	1000	0.125	502	367	22.7
1x300	8.7/15	20.5	31	36	39	44	49	5012	500	0.100	577	414	28.3
1x400	8.7/15	22.9	33	39	42	47	52	5717	500	0.0778	673	470	37.8
1x500	8.7/15	26.9	37	43	46	51	56	6641	500	0.0605	801	540	47.2
1x630	8.7/15	30.5	40	46	49	55	60	7752	500	0.0469	903	610	59.5
1x50	12/20	8.2	21	26	29	33	37	3002	1000	0.641	184	152	4.7
1x70	12/20	9.8	22	27	30	34	38	3201	1000	0.443	230	186	6.6
1x95	12/20	11.4	24	29	32	36	40	3485	1000	0.320	280	221	9.0
1x120	12/20	13.1	25	31	34	38	42	3762	1000	0.253	324	252	11.3
1x150	12/20	14.1	26	32	35	40	44	4088	1000	0.206	368	281	14.2
1x185	12/20	15.9	28	33	36	41	46	4414	1000	0.164	424	317	17.5
1x240	12/20	18.2	30	36	39	44	48	4863	1000	0.125	502	367	22.7
1x300	12/20	20.5	33	38	41	46	51	5331	500	0.100	577	414	28.3
1x400	12/20	22.9	35	41	44	49	54	6023	500	0.0778	673	470	37.8
1x500	12/20	26.9	39	45	48	53	58	6979	500	0.0605	801	540	47.2
1x630	12/20	30.5	42	48	51	57	62	8129	500	0.0469	903	610	59.5
1x50	18/30	8.2	26	31	34	38	42	3699	1000	0.641	184	152	4.7
1x70	18/30	9.8	27	32	35	40	45	4038	1000	0.443	230	186	6.6
1x95	18/30	11.4	28	34	37	42	47	4348	1000	0.320	280	221	9.0
1x120	18/30	13.1	30	36	39	44	48	4770	1000	0.253	324	252	11.3
1x150	18/30	14.1	31	37	40	45	50	4994	1000	0.206	368	281	14.2
1x185	18/30	15.9	33	39	42	47	52	5482	500	0.164	424	317	17.5
1x240	18/30	18.2	35	41	44	49	54	5968	500	0.125	502	367	22.7
1x300	18/30	20.5	38	43	47	52	57	6628	500	0.100	577	414	28.3
1x400	18/30	22.9	40	46	49	54	60	7590	500	0.0778	673	470	37.8
1x500	18/30	26.9	44	50	53	58	64	8656	500	0.0605	801	540	47.2
1x630	18/30	30.5	47	54	57	62	68	9877	500	0.0469	903	610	59.5

3.6/6(7.2) - 18/30(36) KV
AL/XLPE/CTS/LS/PVC/SWA/PVC- NA2XSEKRY

Construction

- **Conductor**
  Stranded Aluminium wire according to IEC 60228
  - Class 2 for Circular Stranded Compacted
- **Conductor Screen**
  Extruded Semi Conductive Compound
- **Insulation**
  XLPE Compound
- **Insulation Screen**
  Extruded Semi Conductive Compound
- **Metallic Screen**
  Plain Annealed Copper Tapes
- **Filler**
  PP Yarn Filler
- **Metallic Sheath**
  Lead Alloy Sheath
- **Separation Sheath**
  PVC ST2 Compound
- **Metallic Armour**
  Galvanized Steel Wires
- **Sheath**
  PVC ST2 Compound

Special Feature On Request

- EPR Insulation
- Flame Retardant Cat.A,B,C
- Flame Retardant Non Category
- Anti-termite
- Anti-Rodent
- Oil Resistance
- UV Resistance
- Low Smoke Zero Halogen

Cores Identification

- Brown,Black,Grey
  Others colours available upon request

Applicable Standards

SNI IEC 60502-2	Design and Test Guidelines
IEC 60502-2	Design and Test Guidelines
IEC 60228	Conductor
IEC 60332-1	Flame Retardant
IEC 60332-3-22	Flame Retardant Cat. A
IEC 60332-3-23	Flame Retardant Cat. B
IEC 60332-3-24	Flame Retardant Cat. C

IEC 60332-1 IEC 60332-3-22 IEC 60332-3-23 IEC 60332-3-24	STANDARD	EXCELLENT	0 °C	14 D	90°C NORMAL OPERATION TEMPERATURE	250°C SHORT CIRCUIT TEMPERATURE

3.6/6(7.2) - 18/30(36) KV
AL/XLPE/CTS/LS/PVC/SWA/PVC- NA2XSEKRY

DIMENSION & ELECTRICAL DATA

Cross Section (mm²)	Tension Uo/U (kV)	Conductor Diameter (mm)	Insulation Diameter (mm)	Metallic Sheath Diamater (mm)	Separation Sheath Diameter (mm)	Metallic Armour Diameter (mm)	Outer Sheath Diameter (mm)	Cable Weigth (kg/km)	Packaging (m)	Max.DC Resistance at 20°C (Ω/km)	Current Rating in air at 30°C (A)	Current Rating in Ground at 20°C (A)	Short Circuit Current for 1s (kA)
3x50	3.6/6	8.2	16	42	45	50	56	6940	500	0.641	159	140	4.7
3x70	3.6/6	9.8	17	45	48	53	59	7668	500	0.443	196	171	6.6
3x95	3.6/6	11.4	19	48	51	56	63	8716	500	0.320	238	204	9.0
3x120	3.6/6	13.1	21	52	55	60	67	9788	500	0.253	274	232	11.3
3x150	3.6/6	14.1	22	55	58	63	69	10582	250	0.206	309	259	14.2
3x185	3.6/6	15.9	23	59	62	68	75	12836	250	0.1640	354	293	17.5
3x240	3.6/6	18.2	26	64	67	73	81	14690	250	0.1250	415	338	22.7
3x300	3.6/6	20.5	28	69	72	79	86	16794	250	0.1000	472	380	28.3
3x50	6/10	8.2	17	43	46	51	57	7311	500	0.641	159	140	4.7
3x70	6/10	9.8	18	46	49	54	60	8055	500	0.443	196	171	6.6
3x95	6/10	11.4	19	49	52	58	64	9099	500	0.320	238	204	9.0
3x120	6/10	13.1	21	53	56	61	68	10225	250	0.253	274	232	11.3
3x150	6/10	14.1	22	56	59	65	72	12042	250	0.206	309	259	14.2
3x185	6/10	15.9	24	60	63	69	76	13309	250	0.1640	354	293	17.5
3x240	6/10	18.2	26	65	68	74	82	15194	250	0.1250	415	338	22.7
3x300	6/10	20.5	28	70	73	80	88	17330	250	0.1000	472	380	28.3
3x50	8.7/15	8.2	19	48	51	56	63	8586	500	0.641	159	140	4.7
3x70	8.7/15	9.8	20	51	54	59	65	9385	500	0.443	196	171	6.6
3x95	8.7/15	11.4	22	55	58	64	71	11508	250	0.320	238	204	9.0
3x120	8.7/15	13.1	23	59	62	68	75	12720	250	0.253	274	232	11.3
3x150	8.7/15	14.1	24	61	64	70	78	13421	250	0.206	309	259	14.2
3x185	8.7/15	15.9	26	65	68	74	82	14744	250	0.1640	354	293	17.5
3x240	8.7/15	18.2	28	70	73	80	88	16956	250	0.1250	415	338	22.7
3x300	8.7/15	20.5	31	75	78	85	93	18930	250	0.1000	472	380	28.3
3x50	12/20	8.2	21	53	56	61	67	9674	500	0.641	159	140	4.7
3x70	12/20	9.8	22	55	58	65	72	11486	250	0.443	196	171	6.6
3x95	12/20	11.4	24	59	62	69	76	12695	250	0.320	238	204	9.0
3x120	12/20	13.1	25	63	66	72	80	14059	250	0.253	274	232	11.3
3x150	12/20	14.1	26	65	68	75	83	15019	250	0.206	309	259	14.2
3x185	12/20	15.9	28	69	72	79	87	16410	250	0.1640	354	293	17.5
3x240	12/20	18.2	30	75	78	84	92	18460	250	0.1250	415	338	22.7
3x300	12/20	20.5	33	80	83	89	98	20455	250	0.1000	472	380	28.3
3x50	18/30	8.2	26	64	67	74	81	14184	250	0.641	159	140	4.7
3x70	18/30	9.8	27	67	70	76	84	15156	250	0.443	196	171	6.6
3x95	18/30	11.4	28	71	74	80	88	16557	250	0.320	238	204	9.0
3x120	18/30	13.1	30	74	77	84	92	18039	250	0.253	274	232	11.3
3x150	18/30	14.1	31	77	80	86	95	19110	250	0.206	309	259	14.2
3x185	18/30	15.9	33	81	84	90	99	20656	250	0.1640	354	293	17.5
3x240	18/30	18.2	35	86	89	96	105	23217	200	0.1250	415	338	22.7
3x300	18/30	20.5	38	91	94	101	110	25468	200	0.1000	472	380	28.3

3.6/6(7.2) - 18/30(36) KV
AL/XLPE/CTS/LS/PVC/SFA/PVC- NA2XSEKFY

Construction

- **Conductor**
  Stranded Aluminium wire according to IEC 60228
  - Class 2 for Circular Stranded Compacted
- **Conductor Screen**
  Extruded Semi Conductive Compound
- **Insulation**
  XLPE Compound
- **Insulation Screen**
  Extruded Semi Conductive Compound
- **Metallic Screen**
  Plain Annealed Copper Tapes
- **Filler**
  PP Yarn Filler
- **Metallic Sheath**
  Lead Alloy Sheath
- **Separation Sheath**
  PVC ST2 Compound
- **Metallic Armour**
  Galvanized Steel Flat Armour
- **Sheath**
  PVC ST2 Compound

Special Feature On Request

- EPR Insulation
- Flame Retardant Cat.A,B,C
- Flame Retardant Non Category
- Anti-termite
- Anti-Rodent
- Oil Resistance
- UV Resistance
- Low Smoke Zero Halogen

Cores Identification

- Brown,Black,Grey
  Others colours available upon request

Applicable Standards

SNI IEC 60502-2	Design and Test Guidelines
IEC 60502-2	Design and Test Guidelines
IEC 60228	Conductor
IEC 60332-1	Flame Retardant
IEC 60332-3-22	Flame Retardant Cat. A
IEC 60332-3-23	Flame Retardant Cat. B
IEC 60332-3-24	Flame Retardant Cat. C

IEC 60332-1 IEC 60332-3-22 IEC 60332-3-23 IEC 60332-3-24	STANDARD	EXCELLENT	0 °C	14 D	90°C NORMAL OPERATION TEMPERATURE	250°C SHORT CIRCUIT TEMPERATURE

3.6/6(7.2) - 18/30(36) KV
AL/XLPE/CTS/LS/PVC/SFA/PVC- NA2XSEKFY

DIMENSION & ELECTRICAL DATA

Cross Section (mm²)	Tension Uo/U (kV)	Conductor Diameter (mm)	Insulation Diameter (mm)	Metallic Sheath Diamater (mm)	Separation Sheath Diameter (mm)	Metallic Armour Diameter (mm)	Outer Sheath Diameter (mm)	Cable Weigth (kg/km)	Packaging (m)	Max.DC Resistance at 20°C (Ω/km)	Current Rating in air at 30°C (A)	Current Rating in Ground at 20°C (A)	Short Circuit Current for 1s (kA)
3x50	3.6/6	8.2	16	42	45	47	52	5599	500	0.641	159	140	4.7
3x70	3.6/6	9.8	17	44	48	49	55	6251	500	0.443	196	171	6.6
3x95	3.6/6	11.4	19	48	51	53	59	7209	500	0.320	238	204	9.0
3x120	3.6/6	13.1	21	52	55	57	63	8192	500	0.253	274	232	11.3
3x150	3.6/6	14.1	22	54	58	59	66	8929	500	0.206	309	259	14.2
3x185	3.6/6	15.9	23	58	62	63	70	10245	250	0.1640	354	293	17.5
3x240	3.6/6	18.2	26	64	67	69	76	11871	250	0.1250	415	338	22.7
3x300	3.6/6	20.5	28	69	72	74	81	13809	250	0.1000	472	380	28.3
3x50	6/10	8.2	17	43	46	48	53	5923	500	0.641	159	140	4.7
3x70	6/10	9.8	18	45	49	50	56	6617	500	0.443	196	171	6.6
3x95	6/10	11.4	19	49	52	54	60	7573	500	0.320	238	204	9.0
3x120	6/10	13.1	21	53	56	58	64	8553	500	0.253	274	232	11.3
3x150	6/10	14.1	22	56	59	60	67	9562	500	0.206	309	259	14.2
3x185	6/10	15.9	24	60	63	64	71	10706	250	0.1640	354	293	17.5
3x240	6/10	18.2	26	65	68	70	77	12367	250	0.1250	415	338	22.7
3x300	6/10	20.5	28	70	73	75	82	14302	250	0.1000	472	380	28.3
3x50	8.7/15	8.2	19	48	51	53	59	7116	500	0.641	159	140	4.7
3x70	8.7/15	9.8	20	51	54	55	62	7842	500	0.443	196	171	6.6
3x95	8.7/15	11.4	22	54	58	59	66	9034	500	0.320	238	204	9.0
3x120	8.7/15	13.1	23	58	61	63	70	10125	250	0.253	274	232	11.3
3x150	8.7/15	14.1	24	61	64	65	72	10745	250	0.206	309	259	14.2
3x185	8.7/15	15.9	26	64	68	69	77	11980	250	0.1640	354	293	17.5
3x240	8.7/15	18.2	28	70	73	75	82	13905	250	0.1250	415	338	22.7
3x300	8.7/15	20.5	31	75	78	80	88	15714	250	0.1000	472	380	28.3
3x50	12/20	8.2	21	52	55	57	64	8074	500	0.641	159	140	4.7
3x70	12/20	9.8	22	55	58	60	67	9038	500	0.443	196	171	6.6
3x95	12/20	11.4	24	59	62	64	71	10159	250	0.320	238	204	9.0
3x120	12/20	13.1	25	63	66	68	75	11277	250	0.253	274	232	11.3
3x150	12/20	14.1	26	65	68	70	77	12152	250	0.206	309	259	14.2
3x185	12/20	15.9	28	69	72	74	81	13421	250	0.1640	354	293	17.5
3x240	12/20	18.2	30	74	77	79	87	15245	250	0.1250	415	338	22.7
3x300	12/20	20.5	33	79	82	84	93	17095	250	0.1000	472	380	28.3
3x50	18/30	8.2	26	64	67	69	76	11360	250	0.641	159	140	4.7
3x70	18/30	9.8	27	67	70	71	79	12287	250	0.443	196	171	6.6
3x95	18/30	11.4	28	70	73	75	83	13525	250	0.320	238	204	9.0
3x120	18/30	13.1	30	74	77	79	87	14797	250	0.253	274	232	11.3
3x150	18/30	14.1	31	77	80	81	90	15784	250	0.206	309	259	14.2
3x185	18/30	15.9	33	80	84	85	94	17250	250	0.1640	354	293	17.5
3x240	18/30	18.2	35	86	89	91	100	19584	250	0.1250	415	338	22.7
3x300	18/30	20.5	38	91	94	96	105	21599	250	0.1000	472	380	28.3

PRYSMIAN

A brand of the Prysmian Group

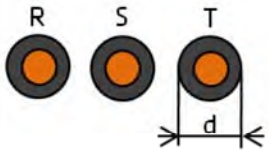
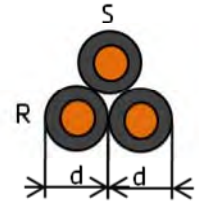
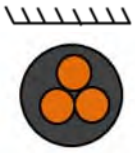
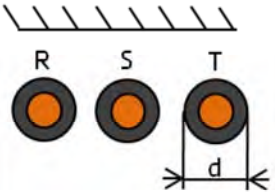
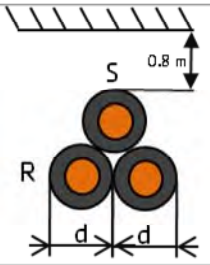
RATING FACTORS FOR XLPE/EPR INSULATED MV CABLES

INSTALLATION CONDITION DATA

Maximum conductor Temperature	XLPE	◦C	90
	EPR	◦C	90
Base Temperature	In Air	◦C	30
	In Ground	◦C	20
Soil Thermal Resistivity		K.m/W	1.5
Depth of laying		m	0.8

CABLE ARRANGEMENT

(d = Cable Overall Diamater)

Method of Laying	Ambient Temperature (◦C)	Cable Lay – Out		
		1 multicore cable	3 Single core cabled in 3 phase system	
			Flat Formation	Trefoil Formation
Installed in free air	30			
Installed direct in ground	20			

RATING FACTOR

The following factors are used for calculation based on the current rating stated on the catalogue for XLPE and EPR Insulation with different Laying condition

A. CABLES LAID DIRECT IN GROUND

A.1 Rating Factor for variation of Ground Temperature

Ground Temperature (◦C)		10	15	20	25	30	35	40	45	50
Rating Factor	XLPE	1.07	1.04	1.00	0.96	0.93	0.89	0.85	0.80	0.76
	EPR	1.07	1.04	1.00	0.96	0.93	0.89	0.85	0.80	0.76

A.2 Rating Factor for variation of depth of laying in ground

Depth of Laying (m)	Single Core Cables		Three Cores Cables
	Nominal Conductor size (mm2		
	≤ 185 mm2	>185mm2	
0.5	1.04	1.06	1.04
0.6	1.02	1.04	1.03
1.0	0.98	0.97	0.98
1.25	0.96	0.96	0.96
1.5	0.95	0.93	0.95
1.75	0.94	0.91	0.94
2.0	0.93	0.90	0.93
2.5	0.91	0.88	0.91
3.0	0.9	0.86	0.90

A.3 Rating Factor for Thermal Resistivity of Soil for Direct Burried Single Core

Nominal Area of Conductor mm2	**Value of soil thermal resistivity (K.m/W)**							
	0.7	**0.8**	**0.9**	**1**	**1.5**	**2**	**2.5**	**3.0**
16	1.29	1.24	1.14	1.15	1.0	0.89	0.82	0.75
25	1.30	1.25	1.14	1.16	1.0	0.89	0.81	0.75
35	1.30	1.25	1.15	1.16	1.0	0.89	0.81	0.75
50	1.32	1.26	1.15	1.16	1.0	0.89	0.81	0.74
70	1.33	1.27	1.15	1.17	1.0	0.89	0.81	0.74
95	1.34	1.28	1.16	1.18	1.0	0.89	0.80	0.74
120	1.34	1.28	1.16	1.18	1.0	0.88	0.80	0.74
150	1.35	1.28	1.16	1.18	1.0	0.88	0.80	0.74
185	1.35	1.29	1.17	1.18	1.0	0.88	0.80	0.74
240	1.36	1.29	1.17	1.18	1.0	0.88	0.80	0.73
300	1.36	1.30	1.17	1.19	1.0	0.88	0.80	0.73
400	1.37	1.30	1.17	1.19	1.0	0.88	0.79	0.73

A.4 Rating Factor for Thermal Resistivity of Soil for Direct Burried Three Cores

Nominal Area of Conductor mm2	Value of soil thermal resistivity (K.m/W)							
	0.7	0.8	0.9	1	1.5	2	2.5	3.0
16	1.23	1.10	1.16	1.13	1.0	0.91	0.84	0.78
25	1.24	1.20	1.16	1.13	1.0	0.91	0.84	0.78
35	1.25	1.21	1.17	1.13	1.0	0.91	0.83	0.78
50	1.25	1.21	1.17	1.14	1.0	0.91	0.83	0.77
70	1.26	1.21	1.18	1.14	1.0	0.90	0.83	0.77
95	1.26	1.22	1.18	1.14	1.0	0.90	0.83	0.77
120	1.26	1.22	1.18	1.14	1.0	0.90	0.83	0.77
150	1.27	1.22	1.18	1.15	1.0	0.90	0.83	0.77
185	1.28	1.23	1.18	1.15	1.0	0.90	0.83	0.77
240	1.28	1.23	1.19	1.15	1.0	0.90	0.83	0.77
300	1.28	1.23	1.19	1.15	1.0	0.90	0.82	0.77
400	1.28	1.23	1.19	1.15	1.0	0.90	0.82	0.76

A.5 Rating Factor for Grouping of Three core cables in horizontal formation laid direct in the ground

Number of cables in group	Spacing between cables centre (mm)				
	Touching	200	400	600	800
2	0.80	0.86	0.90	0.92	0.94
3	0.69	0.77	0.82	0.86	0.89
4	0.62	0.72	0.79	0.83	0.87
5	0.57	0.68	0.75	0.81	0.85
6	0.64	0.65	0.74	0.80	0.84
7	0.51	0.63	0.72	0.78	0.83
8	0.47	0.61	0.71	0.78	-
9	0.46	0.60	0.70	0.77	-
10	0.46	0.58	0.69	-	-
11	0.45	0.57	0.69	-	-
12	0.43	0.58	0.68	-	-

A.5 Rating Factor for Grouping of Three Phase circuit of Single core cables laid direct in the ground

Number of cables in group	Spacing between cables centre (mm)				
	Touching	200	400	600	800
2	0.73	0.83	0.88	0.90	0.92
3	0.60	0.73	0.79	0.83	0.86
4	0.54	0.68	0.75	0.80	0.84
5	0.46	0.63	0.72	0.78	0.82
6	0.48	0.61	0.70	0.76	0.81
7	0.43	0.58	0.68	0.75	-
8	0.41	0.57	0.67	0.74	-
9	0.36	0.55	0.66	0.73	-
10	0.37	0.54	0.65	-	-
11	0.36	0.53	0.64	-	-
12	0.35	0.52	0.64	-	-

B. CABLES LAID DIRECT IN DUCT

B.1 Rating Factor for variation of depth of laying in Duct

Depth of Laying (m)	Single Core Cables		Three Cores Cables
	Nominal Conductor size (mm2		
	≤ 185 mm2	>185mm2	
0.5	1.04	1.05	1.03
0.6	1.02	1.03	1.02
1.0	0.98	0.97	0.99
1.25	0.96	0.95	0.97
1.5	0.95	0.93	0.96
1.75	0.94	0.92	0.95
2.0	0.93	0.91	0.94
2.5	0.91	0.89	0.93
3.0	0.90	0.88	0.92

B.2 Rating Factor for Thermal Resistivity of Soil for Burried Duct Single Core

	0.7	**0.8**	**0.9**	**1**	**1.5**	**2**	**2.5**	**3.0**
16	1.20	1.17	1.14	1.11	1.0	0.92	0.85	0.79
25	1.21	1.17	1.14	1.12	1.0	0.91	0.85	0.79
35	1.21	1.18	1.15	1.12	1.0	0.91	0.84	0.79
50	1.21	1.18	1.15	1.12	1.0	0.91	0.84	0.79
70	1.22	1.19	1.15	1.12	1.0	0.91	0.84	0.78
95	1.22	1.19	1.16	1.13	1.0	0.91	0.84	0.78
120	1.22	1.20	1.16	1.13	1.0	0.91	0.84	0.78
150	1.24	1.20	1.16	1.13	1.0	0.91	0.83	0.78
185	1.24	1.20	1.17	1.13	1.0	0.91	0.83	0.78
240	1.25	1.21	1.17	1.14	1.0	0.90	0.83	0.77
300	1.25	1.21	1.17	1.14	1.0	0.90	0.83	0.77
400	1.25	1.21	1.17	1.14	1.0	0.90	0.83	0.77

B.3 Rating Factor for Thermal Resistivity of Soil for Three Core in Ducts

Nominal Area of Conductor mm2	**Value of soil thermal resistivity (K.m/W)**							
	0.7	**0.8**	**0.9**	**1**	**1.5**	**2**	**2.5**	**3.0**
16	1.12	1.11	1.09	1.09	1.0	0.94	0.89	0.84
25	1.14	1.12	1.10	1.08	1.0	0.94	0.89	0.84
35	1.14	1.12	1.10	1.08	1.0	0.94	0.88	0.84
50	1.14	1.12	1.10	1.08	1.0	0.94	0.88	0.84
70	1.15	1.13	1.11	1.09	1.0	0.94	0.88	0.83
95	1.15	1.13	1.11	1.09	1.0	0.94	0.88	0.83
120	1.15	1.13	1.11	1.09	1.0	0.93	0.88	0.83
150	1.16	1.13	1.11	1.09	1.0	0.93	0.88	0.83
185	1.16	1.14	1.11	1.09	1.0	0.93	0.87	0.83
240	1.16	1.14	1.12	1.10	1.0	0.93	0.87	0.82
300	1.17	1.14	1.12	1.10	1.0	0.93	0.87	0.82
400	1.17	1.14	1.12	1.10	1.0	0.92	0.86	0.81

B.4 Rating Factor for Grouping of Three core cables in single way duct in horizontal formation

Number of cables in group	Spacing between cables centre (mm)				
	Touching	200	400	600	800
2	0.85	0.88	0.92	0.94	0.95
3	0.75	0.80	0.85	0.88	0.91
4	0.69	0.75	0.82	0.86	0.89
5	0.65	0.72	0.79	0.84	0.87
6	0.62	0.69	0.77	0.83	0.87
7	0.59	0.67	0.76	0.82	0.86
8	0.57	0.65	0.75	0.81	-
9	0.55	0.64	0.74	0.80	-
10	0.54	0.63	0.73	-	-
11	0.52	0.62	0.73	-	-
12	0.51	0.61	0.72	-	-

B.5 Rating Factor for Grouping of Three Phase circuits of Single core cables in single way duct

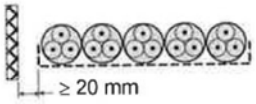
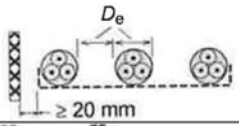
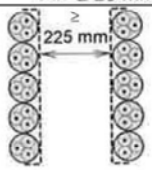
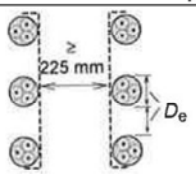
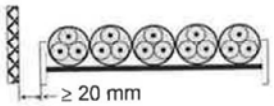
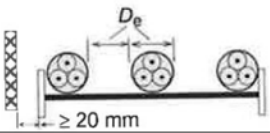
Number of cables in group	Spacing between cables centre (mm)				
	Touching	200	400	600	800
2	0.78	0.85	0.89	0.91	0.93
3	0.68	0.75	0.81	0.85	0.88
4	0.59	0.70	0.77	0.82	0.88
5	0.55	0.66	0.74	0.80	0.84
6	0.51	0.64	0.72	0.78	0.83
7	0.48	0.61	0.71	0.77	0.82
8	0.46	0.60	0.70	0.76	-
9	0.44	0.58	0.69	0.76	-
10	0.43	0.57	0.68	-	-
11	0.42	0.56	0.67	-	-
12	0.40	0.55	0.67	-	-

C. CABLES INSTALLED IN FREE AIR

C.1 Rating Factor for variation in Air Temperature

AirTemperature (◦C)		20	25	30	35	40	45	50	55	60
Rating Factor	XLPE	1.08	1.04	1.0	0.96	0.91	0.87	0.82	0.78	0.71
	EPR	1.08	1.04	1.0	0.96	0.91	0.87	0.82	0.78	0.71

C.2 Rating Factor for Group of more than one multi core cable in Air

Method of Installation		Number of trays	Number of Cables					
			1	2	3	4	5	6
Cables on perforated trays	Touching 	1	1.00	0.88	0.82	0.79	0.76	0.73
		2	1.00	0.87	0.80	0.77	0.73	0.68
		3	1.00	0.86	0.79	0.76	0.71	0.66
	Spaced 	1	1.00	1.00	0.98	0.95	0.91	-
		2	1.00	0.99	0.96	0.92	0.67	-
		3	1.00	0.98	0.95	0.91	0.85	-
Cables on vertical perforated trays	 Touching	1	1.00	0.89	0.82	0.78	0.73	0.72
		2	1.00	0.88	0.81	0.76	0.71	0.70
	 Spaced	1	1.00	0.91	0.89	0.88	0.87	-
		2	1.00	0.91	0.88	0.87	0.85	-
Cables on ladder supports,cleats etc	Touching 	1	1.00	0.87	0.82	0.80	0.79	0.78
		2	1.00	0.86	0.80	0.78	0.76	0.73
		3	1.00	0.85	0.79	0.76	0.73	0.70
	Spaced 	1	1.00	1.00	1.00	1.00	1.00	-
		2	1.00	0.99	0.98	0.97	0.96	-
		3	1.00	0.98	0.97	0.96	0.93	-

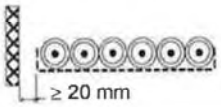
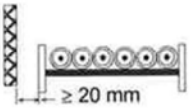
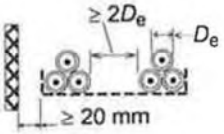
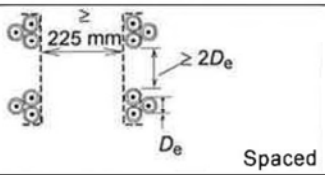
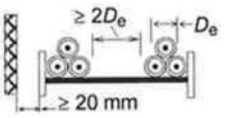
Note 1 Values given are averages for the cables types and rang of conductor sizes considered.The spread of values is generally less than 5%

Note 2 Factors apply to single layer of cable shown above and do not apply when cables are installed in more than one layer touching each other.Values for such installations may be significantly lower and should be determined by an appropriate method.

Note 3 Values are given for vertical spacing between trays of 300 mm and at least 20 mm between trays and wall.For closer spacing,the factors should be reduced.

Note 4 Values are given to horizontal spacing between trays of 225 mm with trays mounted back to back.For closer spacing the factors should be reduced.

C.3 Rating Factor for Group of more than one circuit of Single Core Cables

Method of Installation		Number of Trays	Number of three phase circuits (note 5)			Use as a multiplier to rating for
			1	2	3	
Perforated trays (Note 3)	Touching 	1 2 3	0.98 0.96 0.95	0.91 0.87 0.85	0.87 0.81 0.78	Three cables in horizontal formation
Perforated trays (Note 3)	Touching 	1 2 3	1.00 0.98 0.97	0.97 0.93 0.90	0.96 0.89 0.86	Three cables in horizontal formation
Perforated trays (Note 3)		1 2 3	1.00 0.97 0.96	0.98 0.93 0.92	0.96 0.89 0.86	Three cables in trefoill formation
Perforated trays (Note 3)		1 2	1.00 1.00	0.91 0.90	0.89 0.86	
Perforated trays (Note 3)		1 2 3	1.00 0.97 0.96	1.00 0.95 0.94	1.00 0.93 0.90	

Note 1 Values given are averages for the cables types and rang of conductor sizes considered.The spread of values is generally less than 5%

Note 2 Factors are given for single layers of cable (of trefoil groups) as shown in the table and do not apply when cables are installed in more than one layer touching each other.Values for such installations may be significantly lower and should be determined by an appropriate method.

Note 3 Values are given for vertical spacing between trays of 300 mm.For closer spacing,the factors should be reduced.

Note 4 Values are given to horizontal spacing between trays of 225 mm with trays mounted back to back.For closer spacing the factors should be reduced.

Note 5 For circuits having more than one core cable in parallel per phase,each three phase set of conductor should be considered as a circuit for the purpose of this table

Note :

A Glimpse of our Project Reference ASEAN

BRUNEI
7000 Units Housing Development
Balai Bomba At Perumahan Kg Bt Beruang, Tutong
Balai Bomba Dan Perumahan Kampong Mentiri
BLNG / Refinery CCTV
BLNG Cooling Tower
BLNG Power Plant
Brunei Methanol Plant
BSP CER (Containerised Equipment Room)
BSP DATA Centre
BSP Magpie Platform
BSP Mampak Platform
BSP Seria North Flank
BSP Supplies
BSP Tank Major Repair
Centre Point Hotel upgrading
DES Supplies
Empire Hotel upgrading
Kg Kilanas Mosque
Kiulap Mall
Light Industry Shop at Kg Katimahar, Sengkurong
Magistrate Court
Maraburong Prison
Naval Base
New Building For Brunei Muara District
Radio TV Brunei
RTB (Radio TV Brunei)
SCOT Rejuvenation
Shell Brunei Refinery
Tutong Street Lighting
Various Schools

HONG KONG
Caribbean Coast
Disneyland
Elements Shopping Center
Enterprise Square Five Mega Box Mall
Four Seasons Hotel
Grand Promenade
Harbor Front Horizon
Hong Kong International Airport
Hong Kong Science Park
Hong Kong-Shenzhen Western Corridor Bridge
ICAC Headquarter
Kowloon, Tsingyi, Lai King, Olympic, Tsuen Wan West MRT Station
Movie City
One Beacon Hill
Pok Oi Hospital
Taiwan, Kam Sheung, Fotan MRT stations

INDONESIA
Australia Embassy
British Embassy
Bukit Asam Mining
Ciputra World
DATA Centre at Surabaya
Department PU – Banjarmasin
Kaltim Prima Coal
KDL Power Plant
Kemang Village Apt
Kuningan City
Life Style Kuta Bali
LOTTE Mart Bintaro
Mall Summarecon
Martabe Gold Mine
Mayapada Hospital
Pertamina Dumai Refinery
PLN Distribution Line
PLN Supplies
SILOAM Hospital
ST Moritz
TANG City Mall
TEMPO Scan
TRANS Studio Bandung
Ulubelu Geothermal Power Plant

MACAU
Macao Sands Casino
Macua Airport Extension
Ponte 16 Casino
Venetian Expo, Theater & Arena
Venetian Parcel 1 Casino

MALAYSIA
ALAM DAMAI
BANK NEGARA
Bank Negara Malaysia, Cyberjaya
BASF Gebeng, Petronas
CAPITAL SQUARE KL
Customs Kelantan
CXS
CYBERJAYA PRIMA 9 & 10
CYGAL PROPERTIES
Good Wood Hotel, JB
GOOGLE DATA CENTER
HONG LEONG DATA CENTER
Jaya Jusco, Bukit Indah, JB
JB PROJECT
KINRARA MAS PUCHONG
KLIA 2 - MOV COMMUNICATION
KLIA SPUR LINE
Kuantan & Segamat Compressor Expansion Project
LHDNM - CYBERJAYA
Light Rail Transit Station
LOT C, KLCC
LYNAS
MCOT Petronas
Megasteel
MELODY HOME PROJECT
MEMC
Midvalley Megamall
MLNG - Fire & Gas System, Metering Station 1
MyDin Hypermarket
PACIFIC FOOD
PAHLAWAN
PAJAM, SOLAR FARM
PEMBINAAN PEJABAT TANAH & GALIAN PAHANG
Petronas Refinery Melaka
Petronas Twin Towers
RAUB AUSTRALIAN GOLD MINE PROJECT
S-COGENERATION Project
SCL CARBON BANTING
Shell offshore Platform B11, F6, F26
SMART Tunnel Project
SPMY - HK SL SUNPOWER
SUBANG AVENUE
SUNPOWER PROJECT SITE (SPMY-HK 8L)
Tawakai Hospital
Teluk Salut, Ranhill Power
Tenaga National Berhad SCADA System
TNB
TNB SCADA System
UOA Holding Berhad - 2 Block Condominium at Bangsar South
UTUSAN MALAYSIA
Wisma Lee Rubber
WISMA PERSEKUTUAN AT MITC MELAKA
WTP

SINGAPORE
A'Posh Bizhub
Alstom Metropolis C830
Anchor Handling Tug/Supply AHTS - Ice Class
Breadtalk Building
CAAS Terminal 3 CCTV
Changi Airport T3
Changi International Airport
Changi PMS Electrical Works
Changi Prison CCTV
Changi Water Reclamation Plant
Circle Line Stage 3 - Mechancial
Circle Line Stage 3,4,5 - Electrical
Common Service Tunnel - Marina
Credit Suisse Datacenter
Deutsche Bank @ Mapletree Business City
Downtown line signal package, C955, C956, C960, C961
Downtown Line stage 1 (M&E)
Downtown Line stage 2 (M&E)
Exxon Mobile Singapore Parallel Train, Jurong Island
ExxonMobile Singapore Parallel Train 2, Jurong Island
Formula One Grand Prix - Pitstop
Formulae One Night Race
Garden by the Bay
HDB Commercial, Industrial & Residential Buildings
Ion Orchard
Islamic Hub
Kallang Paya Lebar Expressway
LTA Circle Line C830, C414
LTA KPE Expressway C415
Management Development Institute of Singapore (MDIS)
Marina Coastal Expressway C461
Marina Coastal Expressway C466
Marina Sands Integrated Resort
MSD Pharmaceutical Facility
North South Line Extension (Electrical), C1565
North South Line Extension (Mechanical), C1563
Orchard Gateway
Orchard Turn Shopping Center
OTS10 (Oil Tanking) Project
Oxley Bizhub 1 & 2
Presidential ISTANA CCTV
PSA Corporation Harbor projects
Regal Theatre
Renewable Energy Consortium
Savvis Datacenter
Schering Plough Expansion
SG2 Equinox Datacentre
SGH Heart Center
SGH Pathology Center
Shell Bukom C2 Jetty
Shell Houdini, Bukom Refinery
Shell MEG Air Liquide Project
Singapore Sports Hub
St James Power Station
The Baywater Condo
The Pier@ Robertson Quay
The Pinnacle Collection, Sentosa Cove
The SAIL Condo
Tuas Incineration Plant
Tuas undersea Tunnel
UE Bizhub East @ Changi Business Park
Vopak Horizon Project PII & PIII
Yen San Building, Orchard
Yong Loo Lin School of Medicine
Zion Bishan Bible - Presbyterian Church

THAILAND
Airport Rail Link
Ban Rachaprasong Rachadomri
Bangchat Combine Heat & Power Plant
Bangkok Bank Building
Bangkok Metropolitan Administration
Bangkok Transit Systems (BTS)
Bangsui Waterteastment
Baromchonranee Tunnel Road
BCP Environmental Improvement (TGTU)
BNC
BST NB Latex
Chulalongkorn University
Expressway Thailand Authority
GHECO One 660MW CFPP
Glow Power 115 MW CFB#3
Honda New Factory - 3
HTY Elastomer Plant
IRPC ESMB Upgrading
Jasmine Telecom
KLT - 8
Love Beach Hotal
LP Hospitality
Mahidol University (Dentistry Department)
Maneeya
Mass Rapid Transit System (MTRA -Blue Line)
MEA 230 KV Transmission Tunnel
MEA 230kV Underground Transmission Line Between Bangkapi and Chidlom
MEA PM2-0030-WBA Modification Of 69 Kv Circuit Breaker 9 Substations.
Novetel Airport Hotel
Pre Clinic Siriraj Hospital
Prin Narathiwas, Prin Ratchaprarob
PTT AR-IRPC Multi Product Pipeline
PTT BV (OSBL)
PTT Enclosed Ground Flare Phase#2
PTT ESP & GSP#6 Plant
PTT Fourth Transmission Pipeline - Interconnecting
PTT GC PSA#3
PTT GSP CWWTP
PTT Phenol Plant
PTT Tank Terminal
Purac Latic Acid Refinery Plant
Ramkamkhang University
Ricoh (RMT) New Factory
Samart Ministry of Defense Southern Provinces CCTV
SCB Data Center
Siam Cement Group Chemicals _ THPP#3
Suvanabhumi International Airport (SBIA)
Thai ABS - SAN III Expansion
Thai Oil CCG HDS
Thai Oil CDU#3 Crude Preheat Train Improvement
Thai Oil Emision Improvement and PSA-3
Thammasat University Rangsit
Thappline - Ethanol & Gasohol
The Room Radchada
TPX Expansion Phase II
Triple T Broadband Project
True Multimedia
United International Highway

VIETNAM
Becamex Hospital
Ca Mau Pipeline
Cam Ranh Military Base
Can Tho Airport
CNG Phu My
Dung Quat Oil Refinery
Fideco Building, HCMC
Gemadept Tower
Hanoi Museum
Hyatt Hotel
IndoChina Plaza Hanoi
MSP 1 & 2 & 4 Platform
Noi Bai Airport
Nui Phao Tungsteen Mining
Park Hyatt HCM
Pico Plaza
Pullman Hotel
RMIT University HCM
Saigon Pearl Condominium
The Grand Ho Tram Strip
Thi Vai LPG Storage Tanks Development
Vietcombank Tower HCM
Vietnam National Assembly House

Linking Energy to Global Growth

Prysmian reserves the right to modify or update at any time the technical,dimension and weight charasteristics shown in this catalogue in accordance with the latest revisions to Standard

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