

LOW VOLTAGE CABLES

Aluminium Conductor

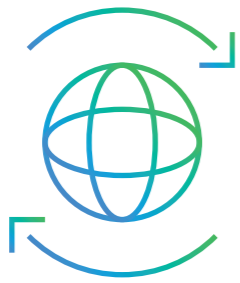


Connecting people and businesses everywhere



150

Years of Experience



+50

Countries



33k

Employees



+15B

Sales in Euros

Sustainability-driven innovation to lead the energy transition and digital transformation

With a legacy spanning over 150 years, Prysmian is a global leader in energy and telecom cable solutions, driving innovation and sustainability. In 2023, we achieved over €15 billion in sales, supported by our 33,000 employees, 82 manufacturing plants, and operations in more than 50 countries worldwide.

We offer the broadest range of cutting-edge products, services, and technologies tailored to meet the evolving needs of our customers. From enabling the energy transition with our pioneering E-Path sustainable cable solution, to supporting critical telecom infrastructure, Prysmian plays a pivotal role in building resilient and efficient systems across the globe.

Our commitment to work closely with our customers ensures that we deliver solutions to help them expand energy and telecom networks, achieving sustainable, profitable growth while addressing the challenges of a rapidly changing world. Together, we're shaping the future of connectivity and electrification.



The planet's pathway

Our world-leading cable solutions



Transmission

- Submarine power and telecom systems
- Marine installation through inhouse fleet
- Underground interconnectors up to 525kV DC
- Complete solutions provider:
 - Turn-key execution approach
 - Continuous monitoring
 - Post-installation maintenance



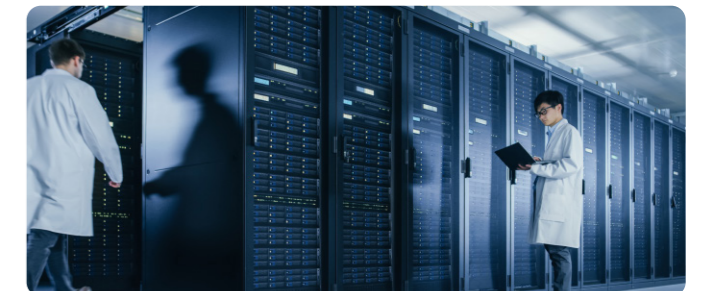
Power Grid

- HV/EHV AC systems supply and installation
- MV and HV/EHV Network Components (NWC) up to 500kV
- Power Distribution cables' solutions from LV to MV (and up to 69kV)
- Data-driven permanent monitoring systems for power networks



Electrification

- Renewables
- Specialties & OEM
 - (Railway, Marine, Crane, Mining, Nuclear, Rolling Stock, Defence, Electro medical, other infrastructure)
- Data Centres
- Energy Storage Systems
- OGP Onshore/Offshore & SURF
- Elevators
- Other Industrial
- Residential, Hospitals & Commercial constructions



Digital Solutions

- Commercial Buildings
 - Passive Optical Cabling
 - Structured Cabling System
 - Building Management
- Data Centre
- Mission Critical and Harsh Environment
- Broadcast and Studio
- Marine & Shipboard

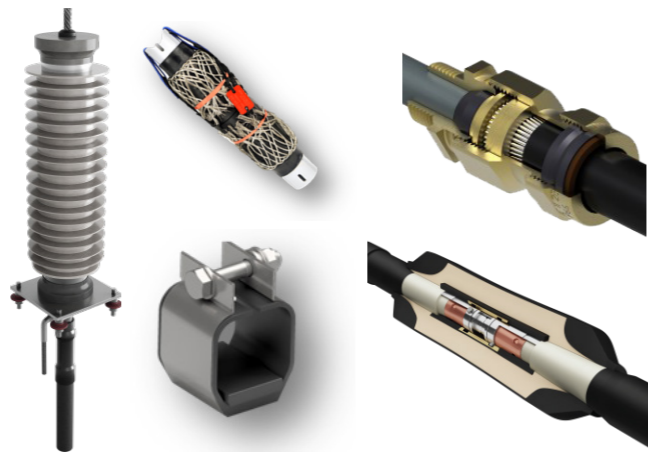
The planet's pathway

Network components



Empowering Reliable Grids with Comprehensive Network Components

We go beyond cables to deliver complete solutions for your transmission and distribution needs. Our extensive portfolio of network components and accessories—including joints, terminations, connectors, and glands—ensures seamless integration with power systems, whether for new installations or upgrades to existing grids. Engineered to the highest standards, our components provide reliability, safety, and performance, supporting utilities in building efficient and robust power networks.



We offer tailored solutions across all voltage classes, including innovative designs for optical fiber integration and asset monitoring systems, reflecting our commitment to sustainability and innovation. Our advanced technologies, such as pre-expanded and cold-shrink options, enable faster, easier installations, reducing downtime and ensuring operational excellence.

Backed by Prysmian's global reach and local expertise, we provide dedicated engineering support and customized designs to meet specific project needs. Together, let's build the future of power systems with network components that are as reliable and innovative as our cables.

Asset monitoring & systems



Advanced Sensing Solutions for Proactive Asset Management

Prysmian's Electronic and Optical Sensing Solutions (EOSS) are at the forefront of system integrity monitoring, offering cutting-edge tools to safeguard your critical assets. Our comprehensive platform integrates partial discharge (PD) detection, distributed temperature sensing (DTS), and distributed acoustic sensing (DAS) to provide real-time insights into your system's health. With Pry-Cam solutions for both portable, spot analysis and permanent installation for continuous monitoring, you hold the power to act proactively, ensuring safety, reliability, and costefficiency.

Our systems deliver precise data on temperature variations, partial discharge activity, and acoustic anomalies, enabling informed decision-making to prevent costly repairs or unplanned downtime. Scalable and flexible, the modular design adapts to your evolving needs, while user-friendly interfaces streamline monitoring and analysis.



With EOSS, Prysmian elevates monitoring from reactive to preventive, helping utilities and industries achieve enhanced operational reliability. Discover how EOSS and Pry-Cam can transform your approach to asset management, ensuring the safety and longevity

Prysmian in the region



Prysmian operates extensively across the Asia Pacific region, supported by a robust infrastructure that includes 13 manufacturing plants across China, Malaysia, Indonesia, the Philippines, and Thailand. Our regional distribution center in Singapore serves as a strategic hub, ensuring seamless delivery of cutting-edge cable solutions for the energy, infrastructure, and telecom markets.

In Asia Pacific, Prysmian is proud to be a part of landmark projects that showcase our expertise and commitment to innovation. These include addressing the complex cable requirements of iconic developments like Marina Bay Sands in Singapore and supporting the ambitious South Vietnam submarine cable projects,

which strengthen regional connectivity. Additionally, Prysmian's advanced solutions have contributed to offshore wind farm developments, highlighting our pivotal role in accelerating the region's transition to renewable energy.

With a clear focus on sustainability and a strong local presence, Prysmian is well-positioned to meet the demands of Asia Pacific's rapidly growing markets. We remain dedicated to delivering innovative technologies that empower our partners and drive the region's progress towards a more connected and

Our corporate brand

Prysmian has a multi-brand architecture made of three levels: a strong Corporate Brand, Prysmian, which stands for the whole organization. It is the umbrella brand under which all the initiatives regarding the Company worldwide are carried out.



The second level is represented by the three well-known Commercial Brands: Prysmian, Draka and General Cable.



The third level encompasses the wide range of product brands that serve all the markets and applications in which the Company operates.



1 Aluminium Cables - Non-armoured PVC Insulation

1.1 0.6/1 KV AL/PVC – NAYA	10
1.2 0.6/1 KV AL/PVC/PVC – NAYY	12

2 Aluminium Cables - Armoured PVC Insulation

2.1 0.6/1KV AL/PVC/PVC/DATA/PVC – NAYB(AL)Y	17
2.2 0.6/1KV AL/PVC/PVC/DSTA/PVC – NAYBY	19
2.3 0.6/1KV AL/PVC/PVC/AWA/PVC – NAYR(AL)Y	22
2.4 0.6/1KV AL/PVC/PVC/SWA/PVC – NAYRY	24
2.5 0.6/1KV AL/PVC/PVC/SFA/PVC – NAYFY	27

3 Aluminium Cables - Shielded PVC Insulation

3.1 0.6/1KV AL/PVC/CWS/PVC – NAYCY	30
3.2 0.6/1KV AL/PVC/CTS/PVC – NAYSY	35

4 Aluminium Cables - Lead Sheath PVC Insulation

4.1 0.6/1KV AL/PVC/LS/PVC – NAYKY	40
4.2 0.6/1KV AL/PVC/LS/PVC/DATA/PVC – NAYKB(AL)Y	45
4.3 0.6/1KV AL/PVC/LS/PVC/DSTA/PVC – NAYKBY	47
4.4 0.6/1KV AL/PVC/LS/PVC/AWA/PVC – NAYKR(AL)Y	50
4.5 0.6/1KV AL/PVC/LS/PVC/SWA/PVC – NAYKRY	52
4.6 0.6/1KV AL/PVC/LS/PVC/SFA/PVC – NAYKFY	55

5 Aluminium Cables - Non-armoured XLPE Insulation

5.1 0.6/1 KV AL/XLPE/PVC – NA2XY	58
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6 Aluminium Cables - Armoured XLPE Insulation

6.1 0.6/1KV AL/XLPE/PVC/DATA/PVC – NA2XB(AL)Y	63
6.2 0.6/1KV AL/XLPE/PVC/DSTA/PVC – NA2XBY	65
6.3 0.6/1KV AL/XLPE/PVC/AWA/PVC – NA2XR(AL)Y	68
6.4 0.6/1KV AL/XLPE/PVC/SWA/PVC – NA2XRY	70
6.5 0.6/1KV AL/XLPE/PVC/SFA/PVC – NA2XFY	73

7 Aluminium Cables - Shielded XLPE Insulation

7.1 0.6/1KV AL/XLPE/CWS/PVC – NA2XCY	76
7.2 0.6/1KV AL/XLPE/CTS/PVC – NA2XSY	81

8 Aluminium Cables - Armoured PVC Insulation

8.1 0.6/1KV AL/XLPE/LS/PVC/DATA/PVC – NA2XKB(AL)Y	86
8.2 0.6/1KV AL/XLPE/LS/PVC/DSTA/PVC – NA2XKBY	88
8.3 0.6/1KV AL/XLPE/LS/PVC/AWA/PVC – NA2XKR(AL)Y	91
8.4 0.6/1KV AL/XLPE/LS/PVC/SWA/PVC – NA2XKRY	93
8.5 0.6/1KV AL/XLPE/LS/PVC/SFA/PVC – NA2XKFY	96

Aluminium Cables - Non-armoured PVC Insulation

0.6/1 KV

AL/PVC – NAYY



CONSTRUCTION

Conductor	: Stranded Aluminium Wire according to IEC 60228 · Class 2 for Circular Stranded Un-compacted · Class 2 for Circular Stranded Compacted
Insulation	: PVC Insulation Compound

CORES IDENTIFICATION

Core	Green/Yellow
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Others colour available upon request

APPLICABLE STANDARDS

SNI IEC 60502-1
IEC 60502-1
IEC 60228
IEC 60332-1

Design and Test Guidelines
Design and Test Guidelines
Conductor
Flame Retardant

Special Feature on Request

Flame Retardant Non Category
Anti-termite
Low Smoke Zero Halogen



IEC 60332-1
IEC 60332-3-24



Standard



Excellent



0°C



∅ ≤ 25 4D
∅ > 25 6D



Normal
Operation
Temperature



Short
Circuit
Temperature

Dimension and Electrical Data

Cross Section	Conductor Diameter	Insulation Diameter	Cable Weight	Packaging	MAX. DC Resistance at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	kg/km	m	Ω/km	A	A	kA
1x16	5.1	7.3	80	1000	1.910	67	80	1.2
1x25	6.0	8.6	113	1000	1.200	89	101	1.9
1x35	7.0	9.6	144	1000	0.868	111	121	2.7
1x50	8.1	11.1	194	1000	0.641	136	144	3.8
1x70	9.7	12.7	257	1000	0.443	173	176	5.3
1x95	11.3	14.7	349	1000	0.320	213	211	7.2
1x120	13.0	16.4	437	1000	0.253	248	240	9.1
1x150	14.0	17.8	525	1000	0.206	287	269	11.4
1x185	16.0	20.2	657	1000	0.164	333	305	14.1
1x240	18.0	22.6	843	1000	0.125	401	355	18.2
1x300	20.2	25.2	1066	1000	0.100	430	404	22.8
1x400	22.7	28.1	1318	1000	0.0778	526	461	27.2
1x500	26.6	32.4	1728	1000	0.0605	608	522	34
1x630	30.2	36.0	2165	1000	0.0469	708	594	42.8

Aluminium Cables - Non-armoured PVC Insulation

0.6/1 KV

AL/PVC/PVC – NAYY



CONSTRUCTION

Conductor	: Stranded Aluminium Wire according to IEC 60228 · Class 2 for Circular Stranded Un-compacted · Class 2 for Circular Stranded Compacted
Insulation	: PVC Compound ST1

CORES IDENTIFICATION

Core	Black or Natural
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Others colour available upon request

APPLICABLE STANDARDS

SPLN 43-1
 SNI IEC 60502-1
 IEC 60502-1
 IEC 60228
 IEC 60332-1
 IEC 60332-3-24

Design and Test Guidelines
 Design and Test Guidelines
 Design and Test Guidelines
 Conductor
 Flame Retardant
 Flame Retardant Cat. C

Special Feature on Request

Flame Retardant Cat. C
 Flame Retardant Non Category
 Anti-termite
 Anti-rodent

Oil Resistance
 UV Resistance
 Low Smoke Zero Halogen



IEC 60332-1
 IEC 60332-3-24



Standard



Excellent



0°C



14 D



Normal
 Operation
 Temperature



Short
 Circuit
 Temperature

Dimension and Electrical Data

Cross Section	Conductor Diameter	Insulation Diameter	Outer Sheath Diameter	Cable Weight	Packaging	DC Resistance at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
1x16	5.1	7.3	10	132	1000	1.910	66	78	1.2
1x25	6.0	8.6	12	173	1000	1.200	88	99	1.9
1x35	7.0	9.6	13	210	1000	0.868	109	119	2.7
1x50	8.1	11.1	14	270	1000	0.641	134	141	3.8
1x70	9.7	12.7	16	342	1000	0.443	170	173	5.3
1x95	11.3	14.7	18	458	1000	0.320	210	207	7.2
1x120	13.0	16.4	20	549	1000.0	0.253	244	235	9.1
1x150	14.0	17.8	21	660	1000	0.206	283	264	11.4
1x185	15.7	19.9	24	807	1000	0.164	328	299	14.1
1x240	18.0	22.6	27	1028	1000	0.125	395	347	18.2
1x300	20.2	25.2	29	1284	1000	0.100	456	392	22.8
1x400	22.7	28.1	32	1596	1000	0.0778	548	451	27.2

Aluminium Cables - Non-armoured PVC Insulation

0.6/1 KV

AL/PVC/PVC – NAYY



CONSTRUCTION

Conductor	: Stranded Aluminium wire according to IEC 60228
	· Class 2 for Circular Stranded Un-compacted
	· Class 2 for Circular Stranded Compacted
Insulation	: PVC Compound
Inner Covering (Optional)	: PVC Filler
Sheath	: PVC Compound ST1

CORE IDENTIFICATION

2-cores	Brown, Blue,
3-cores	Brown, Black, Grey
4-cores	Brown, Black, Grey, Blue
5-cores	Brown, Black, Grey, [Green/Yellow]

Others colour available upon request

APPLICABLE STANDARDS

SPLN 43-1	Design and Test Guidelines
SNI IEC 60502-1	Design and Test Guidelines
IEC 60502-1	Design and Test Guidelines
IEC 60228	Conductor
IEC 60332-1	Flame Retardant
IEC 60332-3-24	Flame Retardant Cat. C

Special Feature on Request

Flame Retardant Cat. C	Oil Resistance
Flame Retardant Non Category	UV Resistance
Anti-termite	Low Smoke Zero Halogen
Anti-rodent	

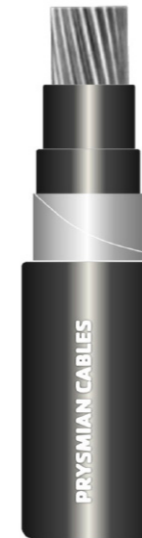
IEC 60332-1 IEC 60332-3-24	Standard	Excellent	0°C	14 D	Pb	Normal Operation Temperature	Short Circuit Temperature

Dimension and Electrical Data

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Outer Sheath Diameter	Cable Weight	Packaging	DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
2x16	5.1	7.3	17	21	542	1000	1.910	73	82	1.2
2x25	6.0	8.6	20	24	741	1000	1.200	94	104	1.9
2x35	7.0	9.6	23	26	912	1000	0.868	116	126	2.7
2x50	8.1	11.1	26	29	1144	1000	0.641	141	149	3.8
2x70	9.7	12.7	29	32	1444	1000	0.443	178	185	5.3
2x95	11.3	14.7	33	37	1874	1000	0.320	218	221	7.2
2x120	13.0	16.4	37	41	2333	1000	0.253	253	253	9.1
2x150	14.0	17.8	40	44	2736	1000	0.206	285	282	11.4
2x185	15.7	19.9	44	48	3307	1000	0.164	331	320	14.1
2x240	18.0	22.6	49	54	4192	500	0.125	390	370	18.2
2x300	20.2	25.2	55	60	5155	500	0.100	447	417	22.8
3x16	5.1	7.3	19	22	643	1000	1.910	62	70	1.2
3x25	6.0	8.6	22	25	832	1000	1.200	81	89	1.9
3x35	7.0	9.6	24	28	1029	1000	0.868	100	107	2.7
3x50	8.1	11.1	27	31	1312	1000	0.641	126	132	3.8
3x70	9.7	12.7	31	35	1661	1000	0.443	158	162	5.3
3x95	11.3	14.7	36	40	2227	1000	0.320	194	194	7.2
3x120	13.0	16.4	39	44	2690	1000	0.253	225	221	9.1
3x150	14.0	17.8	42	47	3164	1000	0.206	257	247	11.4
3x185	15.7	19.9	47	52	3821	500	0.164	297	281	14.1
3x240	18.0	22.6	53	58	4854	500	0.125	352	325	18.2
3x300	20.2	25.2	59	64	5986	500	0.100	405	368	22.8

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Outer Sheath Diameter	Cable Weight	Packaging	DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
4x16	5.1	7.3	21	24	759	1000	1.910	73	82	1.2
4x25	6.0	8.6	24	28	1021	1000	1.200	94	104	1.9
4x35	7.0	9.6	27	30	1228	1000	0.868	116	126	2.7
4x50	8.1	11.1	30	34	1574	1000	0.641	141	149	3.8
4x70	9.7	12.7	34	38	2017	1000	0.443	178	185	5.3
4x95	11.3	14.7	40	44	2706	1000	0.320	218	221	7.2
4x120	13.0	16.4	44	48	3297	1000	0.253	253	253	9.1
4x150	14.0	17.8	47	52	3856	500	0.206	285	282	11.4
4x185	15.7	19.9	52	57	4691	500	0.164	331	320	14.1
4x240	18.0	22.6	59	64	5966	500	0.125	390	370	18.2
4x300	20.2	25.2	65	71	7368	500	0.100	447	417	22.8
5x16	5.1	7.3	23	26	881	1000	1.910	62	70	1.2
5x25	6.0	8.6	27	30	1190	1000	1.200	81	89	1.9
5x35	7.0	9.6	30	33	1453	1000	0.868	100	107	2.7
5x50	8.1	11.1	33	37	1885	1000	0.641	126	132	3.8
5x70	9.7	12.7	38	43	2466	1000	0.443	158	162	5.3
5x95	11.3	14.7	44	48	3241	1000	0.320	194	194	7.2
5x120	13.0	16.4	48	53	3921	500	0.253	225	221	9.1
5x150	14.0	17.8	52	57	4623	500	0.206	257	247	11.4
5x185	15.7	19.9	58	63	5620	500	0.164	297	281	14.1

Aluminium Cables - Armoured PVC Insulation 0.6/1 KV AL/PVC/PVC/DATA/PVC- NAYB(AL)Y



CONSTRUCTION

Conductor	: Stranded Aluminium Wire according to IEC 60228 · Class 2 for Circular Stranded Un-compacted · Class 2 for Circular Stranded Compacted
Insulation	: PVC Compound
Inner Covering	: PVC Compound
Metallic Armour	: Double Aluminium Tape
Sheath	: PVC Compound ST1

CORES IDENTIFICATION

Core Natural or Black

Others colour available upon request

APPLICABLE STANDARDS

SNI IEC 60502-1
IEC 60502-1
IEC 60228
IEC 60332-1
IEC 60332-3-22
IEC 60332-3-23
IEC 60332-3-24

Design and Test Guidelines
Design and Test Guidelines
Conductor
Flame Retardant
Flame Retardant Cat. A
Flame Retardant Cat. B
Flame Retardant Cat. C

Special Feature on Request

Flame Retardant Cat. A, B, C
Flame Retardant Non Category
Anti-termites
Anti-rodent

Oil Resistance
UV Resistance
Low Smoke Zero Halogen



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



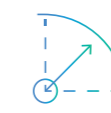
Standard



Excellent



0°C



14 D



Pb^x



70°C
Normal Operation Temperature



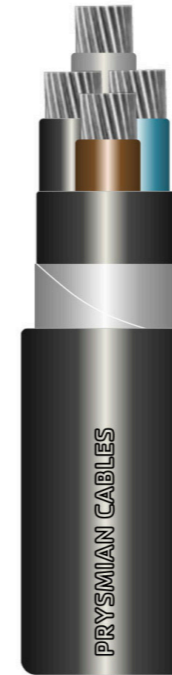
160°C
Short Circuit Temperature

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Armour Diameter	Outer Sheath Diameter	Cable Weight	Packaging	DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
1x16	5.2	7.4	10	13	16	306	1000	1.910	75	79	1.2
1x25	6.1	8.7	12	14	18	378	1000	1.200	98	102	1.9
1x35	7.1	9.7	13	15	19	429	1000	0.868	119	121	2.7
1x50	8.2	11.2	14	17	21	509	1000	0.641	143	143	3.8
1x70	9.8	12.8	16	18	22	605	1000	0.443	179	175	5.3
1x95	11.4	14.9	18	20	24	742	1000	0.320	218	210	7.2
1x120	13.1	16.6	20	22	26	860	1000	0.253	254	240	9.1
1x150	14.1	18.0	21	24	27	976	1000	0.206	287	267	11.4
1x185	15.9	20.1	23	26	30	1141	1000	0.164	331	303	14.1
1x240	18.2	22.9	26	28	33	1410	1000	0.125	394	352	18.2
1x300	20.5	25.5	29	31	35	1684	1000	0.100	454	398	22.8
1x400	22.9	28.4	32	34	38	2043	1000	0.0778	530	455	27.2
1x500	26.9	32.8	36	39	44	2583	1000	0.0605	625	523	34.0
1x630	30.5	36.4	40	43	47	3169	1000	0.0469	729	596	42.8

Aluminium Cables - Non-armoured PVC Insulation

0.6/1 KV

AL/PVC/DSTA/PVC – NAYBY



CONSTRUCTION

Conductor	: Stranded Aluminium Wire according to IEC 60228 · Class 2 for Circular Stranded Un-compacted · Class 2 for Circular Stranded Compacted
Insulation	: PVC Compound
Inner Covering	: PVC Compound
Metallic Armour	: Galvanized Steel Tapes
Sheath	: PVC Compound ST1

CORE IDENTIFICATION

2-cores	Brown, Blue,
3-cores	Brown, Black, Grey
4-cores	Brown, Black, Grey, Blue
5-cores	Brown, Black, Grey, [Green/Yellow]

Others colour available upon request

APPLICABLE STANDARDS

SPLN 43-3
SNI IEC 60502-1
IEC 60502-1
IEC 60228
IEC 60332-1
IEC 60332-3-22
IEC 60332-3-23
IEC 60332-3-24

Design and Test Guidelines
Design and Test Guidelines
Design and Test Guidelines
Conductor
Flame Retardant
Flame Retardant Cat. A
Flame Retardant Cat. B
Flame Retardant Cat. C

Special Feature on Request

Flame Retardant Cat. A, B, C
Flame Retardant Non Category
Anti-termite
Anti-rodent

Oil Resistance
UV Resistance
Low Smoke Zero Halogen



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



Standard



Excellent



0°C



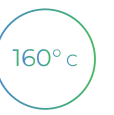
14 D



Pb^x



Normal
Operation
Temperature



Short
Circuit
Temperature

Dimension and Electrical Data

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Armour Diameter	Outer Sheath Diameter	Cable Weight	Max. DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	kg/km	Ω/km	A	A	kA
2x16	5.1	7	17	18	21	651	1.910	72	81	1.2
2x25	6.0	9	20	21	24	869	1.200	96	105	1.9
2x35	7.0	10	23	24	27	1055	0.868	116	126	2.7
2x50	8.1	11	26	26	30	1304	0.641	140	150	3.8
2x70	9.7	13	29	30	33	1624	0.443	180	189	5.3
2x95	11.3	15	33	34	38	2095	0.320	220	225	7.2
2x120	13.0	16	37	39	43	2971	0.253	259	259	9.1
2x150	14.0	18	40	42	46	3401	0.206	292	288	11.4
2x185	15.7	20	44	46	51	4064	0.164	339	327	14.1
2x240	18.0	23	49	52	57	5041	0.125	400	378	18.2
2x300	20.2	25	55	57	62	6062	0.100	458	426	22.8
3x16	5.1	7	19	20	23	761	1.910	61	71	1.2
3x25	6.0	9	22	23	26	968	1.200	81	89	1.9
3x35	7.0	10	24	25	28	1180	0.868	100	107	2.7
3x50	8.1	11	27	28	32	1483	0.641	124	131	3.8
3x70	9.7	13	31	32	35	1853	0.443	156	159	5.3
3x95	11.3	15	36	38	42	2848	0.320	191	190	7.2
3x120	13.0	16	39	42	46	3371	0.253	224	219	9.1
3x150	14.0	18	42	45	49	3874	0.206	256	244	11.4
3x185	15.7	20	47	49	54	4629	0.164	297	276	14.1
3x240	18.0	23	53	55	61	5761	0.125	351	321	18.2
3x300	20.2	25	59	61	66	6956	0.100	403	362	22.8

Dimension and Electrical Data (cont.)

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Armour Diameter	Outer Sheath Diameter	Cable Weight	Max. DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	kg/km	Ω/km	A	A	kA
4x16	5.1	7	21	22	25	890	1.910	68	75	1.2
4x25	6.0	9	24	25	28	1173	1.200	90	97	1.9
4x35	7.0	10	27	28	31	1394	0.868	111	116	2.7
4x50	8.1	11	30	31	35	1777	0.641	131	134	3.8
4x70	9.7	13	34	37	40	2592	0.443	165	163	5.3
4x95	11.3	15	40	42	46	3390	0.320	204	196	7.2
4x120	13.0	16	44	46	51	4026	0.253	236	224	9.1
4x150	14.0	18	47	50	54	4665	0.206	275	252	11.4
4x185	15.7	20	52	55	60	5585	0.164	314	284	14.1
4x240	18.0	23	59	61	67	6970	0.125	372	329	18.2
4x300	20.2	25	65	68	74	8476	0.100	428	372	22.8
5x16	5.1	7	23	24	27	1042	1.910	70	76	1.2
5x25	6.0	9	27	28	31	1377	1.200	94	98	1.9
5x35	7.0	10	30	30	34	1658	0.868	115	118	2.7
5x50	8.1	11	33	36	40	2476	0.641	141	140	3.8
5x70	9.7	13	38	41	45	3165	0.443	162	162	5.3
5x95	11.3	15	44	46	51	4019	0.320	200	195	7.2
5x120	13.0	16	48	51	56	4811	0.253	232	223	9.1
5x150	14.0	18	52	55	60	5583	0.206	264	250	11.4
5x185	15.7	20	58	60	66	6664	0.164	306	284	14.1

Aluminium Cables - Armoured PVC Insulation

0.6/1 KV

AL/PVC/PVC/AWA/PVC- NAYR(AL)Y



CONSTRUCTION

Conductor	: Stranded Aluminium Wire according to IEC 60228 · Class 2 for Circular Stranded Un-compacted · Class 2 for Circular Stranded Compacted
Insulation	: PVC Compound
Inner Covering	: PVC Compound
Metallic Armour	: Galvanized Steel Wires
Sheath	: PVC Compound ST1

CORES IDENTIFICATION

Core	Natural or Black
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Others colour available upon request

APPLICABLE STANDARDS

SPLN 43-2
SNI IEC 60502-1
IEC 60502-1
IEC 60228
IEC 60332-1
IEC 60332-3-22
IEC 60332-3-23
IEC 60332-3-24

Design and Test Guidelines
Design and Test Guidelines
Design and Test Guidelines
Conductor
Flame Retardant
Flame Retardant Cat. A
Flame Retardant Cat. B
Flame Retardant Cat. C

Special Feature on Request

Flame Retardant Cat. A, B, C
Flame Retardant Non Category
Anti-termite
Anti-rodent

Oil Resistance
UV Resistance
Low Smoke Zero Halogen



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

Dimension and Electrical Data

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Over Armour Diameter	Outer Sheath Diameter	Cable Weight	Packaging	DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
1x16	5.2	7.4	10	12	16	297	1000	1.9100	74	79	1.2
1x25	6.1	8.7	12	14	17	368	1000	1.2000	97	101	1.9
1x35	7.1	9.7	13	15	18	419	1000	0.8680	117	121	2.7
1x50	8.2	11.2	14	17	21	540	1000	0.6410	143	143	3.8
1x70	9.8	12.8	16	18	22	637	1000	0.4430	179	175	5.3
1x95	11.4	14.9	18	21	25	827	1000	0.3200	220	210	7.2
1x120	13.1	16.6	20	23	27	953	1000	0.2530	256	241	9.1
1x150	14.1	18.0	21	24	28	1072	1000	0.2060	290	268	11.4
1x185	15.9	20.1	23	26	30	1248	1000	0.1640	334	304	14.1
1x240	18.2	22.9	26	29	33	1530	1000	0.1250	397	353	18.2
1x300	20.5	25.5	29	33	37	1918	1000	0.1000	461	401	22.8
1x400	22.9	28.4	32	36	40	2280	1000	0.0778	537	458	27.2
1x500	26.9	32.8	36	40	45	2846	1000	0.0605	633	526	34.0
1x630	30.5	36.4	40	44	49	3479	1000	0.0469	737	599	42.8

Aluminium Cables - Non-armoured PVC Insulation

0.6/1 KV

AL/PVC/PVC/SWA/PVC – NAYRY



CONSTRUCTION

Conductor	: Stranded Aluminium Wire according to IEC 60228 · Class 2 for Circular Stranded Un-compacted · Class 2 for Circular Stranded Compacted
Insulation	: PVC Compound
Inner Covering	: PVC Compound
Metallic Armour	: Galvanized Steel Wires
Sheath	: PVC Compound ST1

CORE IDENTIFICATION

2-cores	Brown, Blue,
3-cores	Brown, Black, Grey
4-cores	Brown, Black, Grey, Blue
5-cores	Brown, Black, Grey, [Green/Yellow]

Others colour available upon request

APPLICABLE STANDARDS

SNI IEC 60502-1	Design and Test Guidelines
IEC 60502-1	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

Special Feature on Request

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

IEC 60332-1 IEC 60332-3-22 IEC 60332-3-23 IEC 60332-3-24	Standard	Excellent	0°C	14 D	Pb	Normal Operation Temperature	Short Circuit Temperature

Dimension and Electrical Data

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Over Armour Diameter	Outer Sheath Diameter	Cable Weight	Packaging	DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
2x16	5.1	7.3	17	20	23	936	1000	1.910	95	103	1.2
2x25	6.0	8.6	20	24	27	1347	1000	1.200	125	132	1.9
2x35	7.0	9.6	23	26	30	1582	1000	0.868	154	160	2.7
2x50	8.1	11.1	26	29	33	1893	1000	0.641	186	189	3.8
2x70	9.7	12.7	29	33	37	2501	1000	0.443	235	231	5.3
2x95	11.3	14.7	33	37	42	3105	1000	0.320	288	277	7.2
2x120	13.0	16.4	37	41	46	3929	1000	0.253	333	315	9.1
2x150	14.0	17.8	40	45	50	4787	1000	0.206	375	350	11.4
2x185	15.7	19.9	44	49	54	5644	500	0.164	437	398	14.1
2x240	18.0	22.6	49	54	60	6831	500	0.125	513	460	18.2
2x300	20.2	25.2	55	60	66	7608	250	0.100	585	516	22.8
3x16	5.1	7.3	19	21	25	1076	1000	1.910	81	87	1.2
3x25	6.0	8.6	22	25	29	1470	1000	1.200	106	111	1.9
3x35	7.0	9.6	24	27	31	1730	1000	0.868	131	134	2.7
3x50	8.1	11.1	27	31	35	2111	1000	0.641	162	163	3.8
3x70	9.7	12.7	31	35	39	2796	1000	0.443	205	199	5.3
3x95	11.3	14.7	36	40	45	3558	1000	0.320	250	237	7.2
3x120	13.0	16.4	39	43	48	4132	1000	0.253	290	270	9.1
3x150	14.0	17.8	42	47	53	5090	500	0.206	332	302	11.4
3x185	15.7	19.9	47	52	58	5975	500	0.164	384	341	14.1
3x240	18.0	22.6	53	58	64	7254	500	0.125	451	394	18.2
3x300	20.2	25.2	59	64	70	8651	250	0.100	516	442	22.8

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Over Armour Diameter	Outer Sheath Diameter	Cable Weight	Packaging	DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
2x16	5.1	7.3	21	24	28	1362	1000	1.910	90	94	1.2
2x25	6.0	8.6	24	28	31	1716	1000	1.200	119	121	1.9
2x35	7.0	9.6	27	30	34	2009	1000	0.868	146	144	2.7
2x50	8.1	11.1	30	34	39	2690	1000	0.641	171	167	3.8
2x70	9.7	12.7	34	38	43	3295	1000	0.443	215	203	5.3
2x95	11.3	14.7	40	45	50	4515	1000	0.320	263	242	7.2
2x120	13.0	16.4	44	49	54	5258	500	0.253	307	276	9.1
2x150	14.0	17.8	47	52	58	6074	500	0.206	355	311	11.4
2x185	15.7	19.9	52	57	63	7020	500	0.164	405	349	14.1
2x240	18.0	22.6	59	64	70	8574	250	0.125	476	403	18.2
2x300	20.2	25.2	65	71	78	11086	250	0.100	544	452	22.8
3x16	5.1	7.3	23	26	30	1550	1000	1.910	93	95	1.2
3x25	6.0	8.6	27	30	34	1971	1000	1.200	123	123	1.9
3x35	7.0	9.6	30	34	38	2556	1000	0.868	151	146	2.7
3x50	8.1	11.1	33	37	42	3099	1000	0.641	185	174	3.8
3x70	9.7	12.7	38	42	47	3910	1000	0.443	211	209	5.3
3x95	11.3	14.7	44	49	54	5271	500	0.320	258	250	7.2
3x120	13.0	16.4	48	53	59	6116	500	0.253	298	285	9.1
3x150	14.0	17.8	52	57	63	7102	250	0.206	337	317	11.4
3x185	15.7	19.9	58	63	69	8226	250	0.164	383	355	14.1

Aluminium Cables - Non-armoured PVC Insulation

0.6/1 KV

AL/PVC/PVC/SFA/PVC – NAYFY



CONSTRUCTION

Conductor	: Stranded Aluminium Wire according to IEC 60228 · Class 2 for Circular Stranded Un-compacted · Class 2 for Circular Stranded Compacted
Insulation	: PVC Compound
Inner Covering	: PVC Compound
Metallic Armour	: Galvanized Steel Flat
Sheath	: PVC ST 1 Compound

CORE IDENTIFICATION

2-cores	Brown, Blue,
3-cores	Brown, Black, Grey
4-cores	Brown, Black, Grey, Blue
5-cores	Brown, Black, Grey, [Green/Yellow]

Others colour available upon request

APPLICABLE STANDARDS

SNI IEC 60502-1
IEC 60502-1
IEC 60228
IEC 60332-1
IEC 60332-3-22
IEC 60332-3-23
IEC 60332-3-24

Design and Test Guidelines
Design and Test Guidelines
Conductor
Flame Retardant
Flame Retardant Cat. A
Flame Retardant Cat. B
Flame Retardant Cat. C

Special Feature on Request

Flame Retardant Cat. A, B, C
Flame Retardant Non Category
Anti-termite
Anti-rodent

Oil Resistance
UV Resistance
Low Smoke Zero Halogen



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



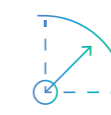
Standard



Excellent



0°C



14 D



Pb^x



Normal
Operation
Temperature



Short
Circuit
Temperature

Dimension and Electrical Data

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Armour Diameter	Outer Sheath Diameter	Cable Weight	Packaging	DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
2x25	6.1	8.7	21	22	26	116.7	1000	1.200	99	109	1.9
2x35	7.1	9.7	23	24	28	1365	1000	0.868	121	131	2.7
2x50	8.2	11.2	26	27	31	1663	1000	0.641	144	153	3.8
2x70	9.8	12.8	29	30	35	2017	1000	0.443	182	190	5.3
2x95	11.4	14.9	33	34	39	2527	1000	0.320	221	226	7.2
2x120	13.1	16.6	37	38	43	3066	1000	0.253	259	260	9.1
2x150	14.1	18.0	40	41	46	3504	1000	0.206	290	289	11.4
2x185	15.9	20.1	44	45	51	4177	1000	0.164	335	328	14.1
2x240	18.2	22.9	49	51	57	5171	500	0.125	393	379	18.2
2x300	20.5	25.5	55	56	52	6213	500	0.100	453	429	22.8
3x16	5.2	7.4	19	20	24	1022	1000	1.910	56	73	1.2
3x25	6.1	8.7	22	24	27	1287	1000	1.200	86	94	1.9
3x35	7.1	9.7	24	26	30	1509	1000	0.868	105	113	2.7
3x50	8.2	11.2	27	29	33	1845	1000	0.641	126	132	3.8
3x70	9.8	12.8	31	32	37	2274	1000	0.443	158	163	5.3
3x95	11.4	14.9	36	37	42	2939	1000	0.320	193	194	7.2
3x120	13.1	16.6	39	41	46	3484	1000	0.253	225	222	9.1
3x150	14.1	18.0	42	44	49	3991	1000	0.206	252	246	11.4
3x185	15.9	20.1	47	49	54	4754	1000	0.164	290	277	14.1
3x240	18.2	22.9	53	55	50	5924	500	0.125	339	318	18.2
3x300	20.5	25.5	59	50	56	7168	500	0.100	386	356	22.8

Dimension and Electrical Data (cont.)

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Armour Diameter	Outer Sheath Diameter	Cable Weight	Packaging	DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
4x16	5.2	7.4	21	22	26	1163	1000	1.910	58	74	1.2
4x25	6.1	8.7	24	26	30	1496	1000	1.200	89	95	1.9
4x35	7.1	9.7	27	28	32	1770	1000	0.868	108	114	2.7
4x50	8.2	11.2	30	32	36	2170	1000	0.641	130	134	3.8
4x70	9.8	12.8	35	36	41	2738	1000	0.443	164	165	5.3
4x95	11.4	14.9	40	41	46	3490	1000	0.320	200	196	7.2
4x120	13.1	16.6	44	45	so	4139	1000	0.253	232	224	9.1
4x150	14.1	18.0	47	49	54	4775	1000	0.206	260	248	11.4
4x185	15.9	20.1	52	54	50	5716	500	0.164	299	280	14.1
4x240	18.2	22.9	59	51	57	7124	500	0.125	349	321	18.2
4x300	20.5	25.5	55	57	74	8632	500	0.100	398	359	22.8
5x16	5.2	7.4	23	24	28	1351	1000	1.910	70	75	1.2
5x25	6.1	8.7	27	28	32	1748	1000	1.200	92	96	1.9
5x35	7.1	9.7	29	31	35	2068	1000	0.868	112	115	2.7
5x50	8.2	11.2	33	35	39	2542	1000	0.641	134	135	3.8
5x70	9.8	12.8	38	40	45	3255	1000	0.443	169	167	5.3
5x95	11.4	14.9	44	45	51	4148	1000	0.320	205	198	7.2
5x120	13.1	16.6	48	50	55	4922	1000	0.253	239	226	9.1
5x150	14.1	18.0	52	54	50	5709	500	0.206	267	250	11.4
5x185	15.9	20.1	58	50	56	6830	500	0.164	307	282	14.1

Aluminium Cables - Shielded PVC Insulation

0.6/1 KV

AL/PVC/CWS/PVC – NAYCY



CONSTRUCTION

Conductor	: Stranded Aluminium Wire according to IEC 60228
	· Class 2 for Circular Stranded Un-compacted
	· Class 2 for Circular Stranded Compacted
Insulation	: PVC Compound
Inner Covering	: PVC Compound
Concentric Conductor	: Plain Annealed Copper Wires
Sheath	: PVC Compound ST1

CORES IDENTIFICATION

Core	Natural or Black
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Others colour available upon request

APPLICABLE STANDARDS

SPLN 43-2
SNI IEC 60502-1
IEC 60502-1
IEC 60228
IEC 60332-1
IEC 60332-3-22
IEC 60332-3-23
IEC 60332-3-24

Design and Test Guidelines
Design and Test Guidelines
Design and Test Guidelines
Conductor
Flame Retardant
Flame Retardant Cat. A
Flame Retardant Cat. B
Flame Retardant Cat. C

Special Feature on Request

Flame Retardant Cat. A, B, C
Flame Retardant Non Category
Anti-termite
Anti-rodent

Oil Resistance
UV Resistance
Low Smoke Zero Halogen



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

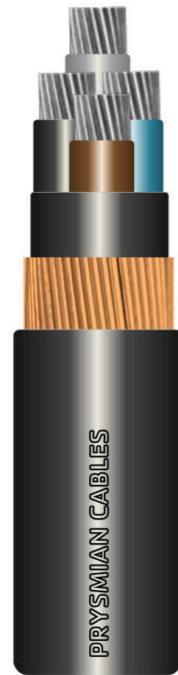
Dimension and Electrical Data

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Over Armour Diameter	Outer Sheath Diameter	Cable Weight	Packaging	DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
1x16	5.2	7.4	10	12	16	332	1000	1.9100	74	79	1.2
1x25	6.1	8.7	12	14	17	394	1000	1.2000	97	101	1.9
1x35	7.1	9.7	13	15	18	440	1000	0.8680	118	121	2.7
1x50	8.2	11.2	14	17	21	564	1000	0.6410	141	143	3.8
1x70	9.8	12.8	16	18	22	703	1000	0.4430	176	175	5.3
1x95	11.4	14.9	18	21	25	897	1000	0.3200	215	208	7.2
1x120	13.1	16.6	20	23	27	1126	1000	0.2530	251	237	9.1
1x150	14.1	18.0	21	24	28	1375	1000	0.2060	285	265	11.4
1x185	15.9	20.1	23	26	30	1528	1000	0.1640	328	299	14.1
1x240	18.2	22.9	26	29	33	1929	1000	0.1250	386	344	18.2
1x300	20.5	25.5	29	33	37	2338	1000	0.1000	442	385	22.8
1x400	22.9	28.4	32	36	40	3204	1000	0.0778	516	440	27.2
1x500	26.9	32.8	36	40	45	4130	1000	0.0605	608	502	34.0
1x630	30.5	36.4	40	44	49	4719	1000	0.0469	700	566	42.8

Aluminium Cables - Shielded PVC Insulation

0.6/1 KV

AL/PVC/CWS/PVC – NAYCY



CONSTRUCTION

Conductor	: Stranded Aluminium Wire according to IEC 60228 · Class 2 for Circular Stranded Un-compacted · Class 2 for Circular Stranded Compacted
Insulation	: PVC Compound
Inner Covering	: PVC Compound
Concentric Conductor	: Plain Annealed Copper Wires
Sheath	: PVC Compound ST1

CORE IDENTIFICATION

2-cores	Brown, Blue,
3-cores	Brown, Black, Grey
4-cores	Brown, Black, Grey, Blue
5-cores	Brown, Black, Grey, [Green/Yellow]

Others colour available upon request

APPLICABLE STANDARDS

SNI IEC 60502-1	Design and Test Guidelines
IEC 60502-1	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

Special Feature on Request

Flame Retardant Cat. A, B, C	Oil Resistance
Flame Retardant Non Category	UV Resistance
Anti-termites	Low Smoke Zero Halogen
Anti-rodent	



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

Dimension and Electrical Data

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Over Armour Diameter	Outer Sheath Diameter	Cable Weight	Packaging	DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
2x16/16	5.1	7.3	17	19	23	644	1000	1.910	74	84	1.2
2x25/16	6.0	8.6	20	22	26	843	1000	1.200	98	109	1.9
2x35/16	7.0	9.6	23	24	28	1013	1000	0.868	119	131	2.7
2x50/25	8.1	11.1	26	27	31	1294	1000	0.641	143	155	3.8
2x70/35	9.7	12.7	29	31	35	1644	1000	0.443	181	191	5.3
2x95/50	11.3	14.7	33	35	39	2155	500	0.320	222	229	7.2
2x120/70	13.0	16.4	37	39	44	2743	500	0.253	260	272	9.1
2x150/70	14.0	17.8	40	42	47	3131	500	0.206	296	304	11.4
2x185/95	15.7	19.9	44	47	53	3866	500	0.164	343	345	14.1
2x240/120	18.0	22.6	49	52	58	4901	500	0.125	410	402	18.2
2x300/150	20.2	25.2	55	57	63	5984	250	0.100	471	452	22.8
3x16/16	5.1	7.3	19	21	24	744	1000	1.910	73	84	1.2
3x25/16	6.0	8.6	22	23	27	933	1000	1.200	84	93	1.9
3x35/16	7.0	9.6	24	26	30	1129	1000	0.868	104	115	2.7
3x50/25	8.1	11.1	27	29	33	1463	1000	0.641	123	131	3.8
3x70/35	9.7	12.7	31	33	37	1861	1000	0.443	158	167	5.3
3x95/50	11.3	14.7	36	38	42	2510	500	0.320	192	195	7.2
3x120/70	13.0	16.4	39	42	46	3103	500	0.253	226	229	9.1
3x150/70	14.0	17.8	42	45	50	3559	500	0.206	259	257	11.4
3x185/95	15.7	19.9	47	50	55	4383	500	0.164	297	290	14.1
3x240/120	18.0	22.6	53	56	62	5565	500	0.125	356	338	18.2
3x300/150	20.2	25.2	59	61	68	6848	250	0.100	407	380	22.8

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Over Armour Diameter	Outer Sheath Diameter	Cable Weight	Packaging	DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
4x16/16	5.1	7.3	21	22	26	849	1000	1.910	65	72	1.2
4x25/16	6.0	8.6	24	26	30	1105	1000	1.200	86	94	1.9
4x35/16	7.0	9.6	27	28	32	1309	1000	0.868	111	119	2.7
4x50/25	8.1	11.1	30	32	36	1715	1000	0.641	127	133	3.8
4x70/35	9.7	12.7	34	36	40	2185	1000	0.443	168	172	5.3
4x95/50	11.3	14.7	40	41	46	2948	500	0.320	197	197	7.2
4x120/70	13.0	16.4	44	46	51	3636	500	0.253	240	236	9.1
4x150/70	14.0	17.8	47	49	55	4213	500	0.206	274	264	11.4
4x185/95	15.7	19.9	52	55	61	5177	500	0.164	318	299	14.1
4x240/120	18.0	22.6	59	62	68	6578	500	0.125	376	347	18.2
4x300/150	20.2	25.2	65	68	74	8105	250	0.100	432	391	22.8
5x16/16	5.1	7.3	23	25	28	964	1000	1.910	67	73	1.2
5x25/16	6.0	8.6	27	29	32	1264	1000	1.200	89	95	1.9
5x35/16	7.0	9.6	30	31	35	1530	1000	0.868	108	113	2.7
5x50/25	8.1	11.1	33	35	40	1991	1000	0.641	130	134	3.8
5x70/35	9.7	12.7	38	40	45	2608	1000	0.443	165	165	5.3
5x95/50	11.3	14.7	44	46	51	3427	500	0.320	203	199	7.2
5x120/70	13.0	16.4	48	50	56	4245	500	0.253	236	228	9.1
5x150/70	14.0	17.8	52	54	60	4902	500	0.206	267	254	11.4
5x185/95	15.7	19.9	58	61	67	6021	500	0.164	308	287	14.1

Aluminium Cables - Shielded PVC Insulation

0.6/1 KV

AL/PVC/CTS/PVC – NAYSY



CONSTRUCTION

Conductor	: Stranded Aluminium Wire according to IEC 60228 · Class 2 for Circular Stranded Un-compacted · Class 2 for Circular Stranded Compacted
Insulation	: PVC Compound
Inner Covering	: PVC Compound
Metallic Screen	: Plain Annealed Copper Tapes
Sheath	: PVC Compound ST1

CORES IDENTIFICATION

Core : Natural or Black

Others colour available upon request

APPLICABLE STANDARDS

SNI IEC 60502-1
IEC 60502-1
IEC 60228
IEC 60332-1
IEC 60332-3-22
IEC 60332-3-23
IEC 60332-3-24

Design and Test Guidelines
Design and Test Guidelines
Conductor
Flame Retardant
Flame Retardant Cat. A
Flame Retardant Cat. B
Flame Retardant Cat. C

Special Feature on Request

Flame Retardant Cat. A, B, C
Flame Retardant Non Category
Anti-termite
Anti-rodent

Oil Resistance
UV Resistance
Low Smoke Zero Halogen



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



Standard



Excellent



0°C



14 D



Pb



70°C
Normal Operation Temperature



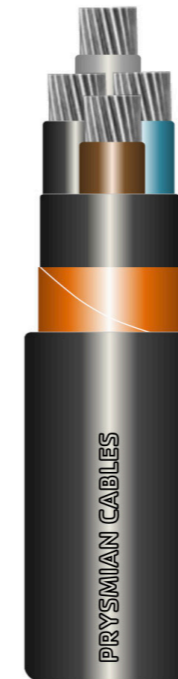
160°C
Short Circuit Temperature

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Over Armour Diameter	Outer Sheath Diameter	Cable Weight	Packaging	DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
1x25	6.1	8.7	12	12	16	329	1000	1.2000	97	104	1.9
1x35	7.1	9.7	13	13	17	379	1000	0.8680	118	124	2.7
1x50	8.2	11.2	14	15	18	455	1000	0.6410	142	146	3.8
1x70	9.8	12.8	16	16	20	547	1000	0.4430	179	179	5.3
1x95	11.4	14.9	18	18	22	680	1000	0.3200	219	213	7.2
1x120	13.1	16.6	20	20	24	794	1000	0.2530	255	244	9.1
1x150	14.1	18.0	21	21	25	908	1000	0.2060	288	272	11.4
1x185	15.9	20.1	23	23	27	1068	1000	0.1640	333	308	14.1
1x240	18.2	22.9	26	26	30	1316	1000	0.1250	397	357	18.2
1x300	20.5	25.5	29	29	33	1598	1000	0.1000	458	403	22.8
1x400	22.9	28.4	32	32	36	1932	1000	0.0778	535	460	27.2
1x500	26.9	32.8	36	37	41	2458	1000	0.0605	635	529	34.0
1x630	30.5	36.4	40	40	45	3033	1000	0.0469	739	601	42.8

Aluminium Cables - Shielded PVC Insulation

0.6/1 KV

AL/PVC/CTS/PVC – NAYSY



CONSTRUCTION

Conductor	: Stranded Aluminium Wire according to IEC 60228 · Class 2 for Circular Stranded Un-compacted · Class 2 for Circular Stranded Compacted
Insulation	: PVC Compound
Inner Covering	: PVC Compound
Metallic Screen	: Plain Annealed Copper Tapes
Sheath	: PVC Compound ST1

CORE IDENTIFICATION

2-cores	Brown, Blue,
3-cores	Brown, Black, Grey
4-cores	Brown, Black, Grey, Blue
5-cores	Brown, Black, Grey, [Green/Yellow]

Others colour available upon request

APPLICABLE STANDARDS

SNI IEC 60502-1
IEC 60502-1
IEC 60228
IEC 60332-1
IEC 60332-3-22
IEC 60332-3-23
IEC 60332-3-24

Design and Test Guidelines
Design and Test Guidelines
Conductor
Flame Retardant
Flame Retardant Cat. A
Flame Retardant Cat. B
Flame Retardant Cat. C

Special Feature on Request

Flame Retardant Cat. A, B, C
Flame Retardant Non Category
Anti-termite
Anti-rodent

Oil Resistance
UV Resistance
Low Smoke Zero Halogen

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

Dimension and Electrical Data

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Armour Diameter	Outer Sheath Diameter	Cable Weight	Packaging	DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
2x16	4.8	7	17	17	21	626	1000	1.910	77	90	1.2
2x25	6.1	9	21	21	25	846	1000	1.200	95	108	1.9
2x35	7.1	10	22	23	26	992	1000	0.868	117	135	2.7
2x50	8.2	11	26	26	30	1240	1000	0.641	145	157	3.8
2x70	9.8	13	29	29	33	1555	1000	0.443	183	194	5.3
2x95	11.4	15	33	33	37	2011	1000	0.320	224	232	7.2
2x120	13.1	17	37	37	42	2491	1000	0.253	260	266	9.1
2x150	14.1	18	40	40	45	2887	1000	0.206	298	299	11.4
2x185	16.2	20	44	45	50	3567	1000	0.164	343	338	14.1
2x240	18.2	23	49	50	55	4406	1000	0.125	408	394	18.2
2x300	20.5	26	55	55	61	5356	500	0.100	467	454	22.8
3x16	4.8	7	18	19	22	692	1000	1.910	61	71	1.2
3x25	6.1	9	22	22	26	943	1000	1.200	82	92	1.9
3x35	7.1	10	24	24	28	1113	1000	0.868	101	114	2.7
3x50	8.2	11	27	27	31	1412	1000	0.641	123	135	3.8
3x70	9.8	13	31	31	35	1780	1000	0.443	158	164	5.3
3x95	11.4	15	36	36	41	2375	1000	0.320	195	197	7.2
3x120	13.1	17	39	40	44	2861	1000	0.253	227	225	9.1
3x150	14.1	18	42	43	48	3326	1000	0.206	259	252	11.4
3x185	16.2	20	48	48	53	4106	1000	0.164	296	284	14.1
3x240	18.2	23	53	53	59	5088	500	0.125	353	331	18.2
3x300	20.5	26	59	59	65	6235	500	0.100	413	386	22.8

Dimension and Electrical Data (cont.)

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Armour Diameter	Outer Sheath Diameter	Cable Weight	Packaging	DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
4x16	4.8	7	20	20	24	804	1000	1.910	63	72	
4x25	6.1	9	24	24	28	1107	1000	1.200	85	93	1.9
4x35	7.1	10	26	27	31	1326	1000	0.868	109	119	2.7
4x50	8.2	11	30	30	35	1690	1000	0.641	132	140	3.8
4x70	9.8	13	35	35	39	2203	1000	0.443	165	172	5.3
4x95	11.4	15	40	40	45	2855	1000	0.320	205	206	7.2
4x120	13.1	17	44	44	49	3449	1000	0.253	236	235	9.1
4x150	14.1	18	47	47	53	4043	1000	0.206	271	263	11.4
4x185	16.2	20	53	53	59	4990	1000	0.164	314	299	14.1
4x240	18.2	23	59	59	65	6199	500	0.125	373	347	18.2
4x300	20.5	26	65	65	72	7608	500	0.100	430	392	22.8
5x16	4.8	7	22	22	26	937	1000	1.910	65	73	1.2
5x25	6.1	9	27	27	31	1300	1000	1.200	87	95	1.9
5x35	7.1	10	29	30	33	1564	1000	0.868	116	119	2.7
5x50	8.2	11	33	34	38	2018	1000	0.641	131	132	3.8
5x70	9.8	13	38	39	43	2631	1000	0.443	166	163	5.3
5x95	11.4	15	44	44	49	3421	1000	0.320	202	196	7.2
5x120	13.1	17	48	49	54	4166	1000	0.253	234	223	9.1
5x150	14.1	18	52	52	58	4886	1000	0.206	264	249	11.4
5x185	16.2	20	59	59	65	6006	500	0.164	303	281	14.1

Aluminium Cables - Lead Sheath PVC Insulation

0.6/1 KV

AL/PVC/LS/PVC – NAYKY



CONSTRUCTION

Conductor	: Stranded Aluminium Wire according to IEC 60228 · Class 2 for Circular Stranded Un-compacted · Class 2 for Circular Stranded Compacted
Insulation	: PVC Compound
Inner Covering	: PVC Compound
Metallic Sheath	: Lead Alloy
Sheath	: PVC Compound ST1

CORES IDENTIFICATION

Core	Natural or Black
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Others colour available upon request

APPLICABLE STANDARDS

SNI IEC 60502-1	Design and Test Guidelines
IEC 60502-1	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

Special Feature on Request

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

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

Dimension and Electrical Data

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Sheath Diameter	Outer Sheath Diameter	Cable Weight	Packaging	DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
1x15	5.2	7.4	12	15	18	1130	1000	1.910	75	79	1.2
1x25	5.1	8.7	12	15	18	1123	1000	1.200	98	102	1.9
1x35	7.1	9.7	13	17	19	1225	1000	0.858	119	122	2.7
1x50	8.2	11.2	14	18	21	1388	1000	0.541	144	143	3.8
1x70	9.8	12.8	15	20	22	1554	1000	0.443	180	175	5.3
1x95	11.4	14.9	18	22	25	1811	1000	0.320	220	210	7.2
1x120	13.1	15.5	20	23	27	2022	1000	0.253	255	240	9.1
1x150	14.1	18.0	21	25	28	2205	1000	0.205	289	258	11.4
1x185	15.9	20.1	23	27	30	2483	1000	0.154	334	304	14.1
1x240	18.2	22.9	25	30	33	2877	1000	0.125	397	353	18.2
1x300	20.5	25.5	29	32	35	3282	1000	0.100	457	399	22.8
1x400	22.9	28.4	32	35	39	3747	1000	0.0778	533	455	27.2
1x500	25.9	32.8	35	40	44	4495	1000	0.0505	528	523	34.0
1x530	30.5	35.4	40	44	48	5217	500	0.0459	731	595	42.8

Aluminium Cables - Lead Sheath PVC Insulation

0.6/1 KV

AL/PVC/LS/PVC – NAYKY



CONSTRUCTION

Conductor	: Stranded Aluminium Wire according to IEC 60228 <ul style="list-style-type: none"> • Class 2 for Circular Stranded Un-compacted • Class 2 for Circular Stranded Compacted
Insulation	: PVC Compound
Inner Covering	: PVC Compound
Metallic Sheath	: Lead Alloy
Sheath	: PVC Compound ST1

CORE IDENTIFICATION

2-cores	Brown, Blue,
3-cores	Brown, Black, Grey
4-cores	Brown, Black, Grey, Blue
5-cores	Brown, Black, Grey, [Green/Yellow]

Others colour available upon request

APPLICABLE STANDARDS

- | | |
|-----------------|----------------------------|
| SNI IEC 60502-1 | Design and Test Guidelines |
| IEC 60502-1 | 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 |

Special Feature on Request

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

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

Dimension and Electrical Data

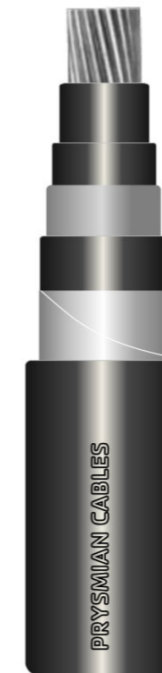
Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Sheath Diameter	Outer Sheath Diameter	Cable Weight	Packaging	DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
2x16	4.8	7.1	17	21	24	1741	1000	1.9100	74	82	1.2
2x25	6.1	8.7	21	24	28	2208	1000	1.2000	97	105	1.9
2x35	7.1	9.7	22	26	30	2468	1000	0.8680	117	126	2.7
2x50	8.2	11.2	26	29	33	2909	1000	0.6410	141	149	3.8
2x70	9.8	12.8	29	32	36	3420	1000	0.4430	177	184	5.3
2x95	11.4	14.9	33	37	41	4105	1000	0.3200	215	220	7.2
2x120	13.1	16.6	37	41	45	4825	1000	0.2530	251	252	9.1
2x150	14.1	18.0	40	43	48	5410	500	0.2060	280	279	11.4
2x185	16.2	20.4	44	48	53	6533	500	0.1640	324	317	14.1
2x240	18.2	22.9	49	54	59	7875	500	0.1250	381	368	18.2
2x300	20.5	25.5	55	59	65	9625	500	0.1000	437	416	22.8
3x16	4.8	7.1	18	22	25	1872	1000	1.9100	64	70	1.2
3x25	6.1	8.7	22	26	29	2387	1000	1.2000	84	91	1.9
3x35	7.1	9.7	24	28	31	2679	1000	0.8680	102	109	2.7
3x50	8.2	11.2	27	31	35	3173	1000	0.6410	123	128	3.8
3x70	9.8	12.8	31	34	39	3766	1000	0.4430	155	159	5.3
3x95	11.4	14.9	36	39	44	4645	1000	0.3200	187	188	7.2
3x120	13.1	16.6	39	43	48	5349	500	0.2530	219	216	9.1
3x150	14.1	18.0	42	46	51	6184	500	0.2060	245	240	11.4
3x185	16.2	20.4	48	52	57	7456	500	0.1640	284	273	14.1
3x240	18.2	22.9	53	58	63	9233	500	0.1250	335	317	18.2
3x300	20.5	25.5	59	64	69	11221	250	0.1000	385	359	22.8

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Armour Diameter	Outer Sheath Diameter	Cable Weight	Packaging	DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
4x25	6.1	8.7	24	28	31	2687	1000	1.2000	87	92	1.9
4x35	7.1	9.7	26	30	34	3044	1000	0.8680	105	110	2.7
4x50	8.2	11.2	30	34	38	3627	1000	0.6410	127	130	3.8
4x70	9.8	12.8	35	38	43	4428	1000	0.4430	159	159	5.3
4x95	11.4	14.9	40	43	48	5378	500	0.3200	194	191	7.2
4x120	13.1	16.6	44	48	52	6388	500	0.2530	225	218	9.1
4x150	14.1	18.0	47	51	56	7382	500	0.2060	252	242	11.4
4x185	16.2	20.4	53	57	63	8900	500	0.1640	295	278	14.1
4x240	18.2	22.9	59	64	70	11240	250	0.1250	345	320	18.2
4x300	20.5	25.5	65	71	77	13667	250	0.1000	396	362	22.8
5x25	6.1	8.7	27	30	34	3045	1000	1.2000	89	93	1.9
5x35	7.1	9.7	29	33	37	3465	1000	0.8680	108	111	2.7
5x50	8.2	11.2	33	37	41	4166	1000	0.6410	130	131	3.8
5x70	9.8	12.8	38	42	47	5080	500	0.4430	164	162	5.3
5x95	11.4	14.9	44	48	53	6372	500	0.3200	199	193	7.2
5x120	13.1	16.6	48	53	58	7597	500	0.2530	234	222	9.1
5x150	14.1	18.0	52	57	62	8748	500	0.2060	262	247	11.4
5x185	16.2	20.4	59	64	70	11037	250	0.1640	304	281	14.1

Aluminium Cables - Lead Sheath PVC Insulation

0.6/1 KV

AL/PVC/LS/PVC/DATA/PVC – NAYKB(AL)Y



CONSTRUCTION

Conductor	: Stranded Aluminium Wire according to IEC 60228 · Class 2 for Circular Stranded Un-compacted · Class 2 for Circular Stranded Compacted
Insulation	: PVC Compound
Inner Covering	: PVC Compound
Metallic Sheath	: Lead Alloy
Separation Sheath	: PVC Compound
Metallic Armour	: Aluminium Tape
Sheath	: PVC Compound ST1

CORES IDENTIFICATION

1-Core Natural or Black

Others colour available upon request

APPLICABLE STANDARDS

SNI IEC 60502-1
IEC 60502-1
IEC 60228
IEC 60332-1
IEC 60332-3-22
IEC 60332-3-23
IEC 60332-3-24

Design and Test Guidelines
Design and Test Guidelines
Conductor
Flame Retardant
Flame Retardant Cat. A
Flame Retardant Cat. B
Flame Retardant Cat. C

Special Feature on Request

Flame Retardant Cat. A, B, C
Flame Retardant Non Category
Anti-termite
Anti-rodent

Oil Resistance
UV Resistance
Low Smoke Zero Halogen



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



Standard



Excellent



0°C



14 D



70°C
Normal
Operation
Temperature



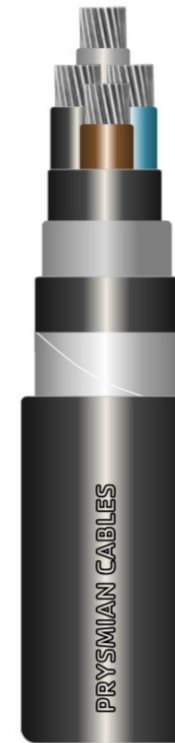
160°C
Short
Circuit
Temperature

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Sheath Diameter	Separation Sheath Diameter	Metallic Armour Diameter	Outer Sheath Diameter	Cable Weight	Packaging	Max. DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
1x16	5.2	7.4	12	16	19	21	25	1445	1000	1.910	74	73	1.2
1x25	6.1	8.7	12	16	19	21	24	1414	1000	1.200	94	93	1.9
1x35	7.1	9.7	13	17	20	22	25	1531	1000	0.868	114	112	2.7
1x50	8.2	11.2	14	18	21	24	27	1704	1000	0.641	137	133	3.8
1x70	9.8	12.8	16	20	23	25	28	1901	1000	0.443	170	163	5.3
1x95	11.4	14.9	18	22	25	27	30	2164	1000	0.320	209	197	7.2
1x120	13.1	16.6	20	23	26	29	32	2385	1000	0.253	244	227	9.1
1x150	14.1	18.0	21	25	28	30	34	2601	1000	0.206	275	253	11.4
1x185	15.9	20.1	23	27	30	32	36	2892	1000	0.164	317	288	14.1
1x240	18.2	22.9	26	30	33	35	39	3323	1000	0.125	379	337	18.2
1x300	20.5	25.5	29	32	35	38	42	3763	1000	0.100	435	382	22.8
1x400	22.9	28.4	32	35	38	41	45	4288	1000	0.0778	511	440	27.2
1x500	26.9	32.8	36	40	43	46	50	5102	500	0.0605	600	506	34.0
1x630	30.5	36.4	40	44	47	49	54	5873	500	0.0469	711	585	42.8

Aluminium Cables - Lead Sheath PVC Insulation

0.6/1 KV

AL/PVC/LS/PVC/DSTA/PVC – NAYKBY



CONSTRUCTION

Conductor	: Stranded Aluminium Wire according to IEC 60228 · Class 2 for Circular Stranded Un-compacted · Class 2 for Circular Stranded Compacted
Insulation	: PVC Compound
Inner Covering	: PVC Compound
Metallic Sheath	: Lead Alloy
Separation Sheath	: PVC Compound
Metallic Armour	: Double Galvanized Steel Tapes
Sheath	: PVC Compound ST1

CORE IDENTIFICATION

2-cores	Brown, Blue,
3-cores	Brown, Black, Grey
4-cores	Brown, Black, Grey, Blue
5-cores	Brown, Black, Grey, [Green/Yellow]

Others colour available upon request

APPLICABLE STANDARDS


SNI IEC 60502-1
IEC 60502-1
IEC 60228
IEC 60332-1
IEC 60332-3-22
IEC 60332-3-23
IEC 60332-3-24

Design and Test Guidelines
Design and Test Guidelines
Conductor
Flame Retardant
Flame Retardant Cat. A
Flame Retardant Cat. B
Flame Retardant Cat. C


Special Feature on Request

Flame Retardant Cat. A, B, C
Flame Retardant Non Category
Anti-termite
Anti-rodent


Oil Resistance
UV Resistance
Low Smoke Zero Halogen




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



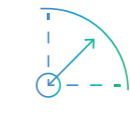
Standard




Excellent




0°C



14 D



70°C
Normal
Operation
Temperature



160°C
Short
Circuit
Temperature

Dimension and Electrical Data

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Sheath Diameter	Separation Sheath Diameter	Metallic Armour Diameter	Outer Sheath Diameter	Cable Weight	Packaging	Max. DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
2x16	5.2	7.4	17	21	23	24	27	2063	1000	1.9100	77	84	1.2
2x25	6.1	8.7	21	24	26	27	30	2476	1000	1.2000	99	107	1.9
2x35	7.1	9.7	23	26	28	29	32	2784	1000	0.8680	120	128	2.7
2x50	8.2	11.2	26	29	31	32	35	3247	1000	0.6410	143	150	3.8
2x70	9.8	12.8	29	32	36	39	42	4358	1000	0.4430	184	187	5.3
2x95	11.4	14.9	33	37	40	43	47	5173	500	0.3200	223	223	7.2
2x120	13.1	16.6	37	41	44	47	51	5992	500	0.2530	259	255	9.1
2x150	14.1	18.0	40	43	47	50	54	6630	500	0.2060	289	283	11.4
2x185	15.9	20.1	44	48	51	54	59	7781	500	0.1640	332	320	14.1
2x240	18.2	22.9	49	54	57	60	65	9383	500	0.1250	391	372	18.2
2x300	20.5	25.5	55	59	63	65	71	11288	250	0.1000	447	420	22.8
3x16	5.2	7.4	19	22	24	25	28	2217	1000	1.9100	66	72	1.2
3x25	6.1	8.7	22	26	27	28	31	2670	1000	1.2000	86	92	1.9
3x35	7.1	9.7	24	28	29	30	34	3014	1000	0.8680	105	110	2.7
3x50	8.2	11.2	27	31	35	35	39	3712	1000	0.6410	127	130	3.8
3x70	9.8	12.8	31	34	38	41	45	4758	1000	0.4430	162	162	5.3
3x95	11.4	14.9	36	39	43	46	50	5794	500	0.3200	194	191	7.2
3x120	13.1	16.6	39	43	47	49	54	6587	500	0.2530	227	219	9.1
3x150	14.1	18.0	42	46	50	53	57	7484	500	0.2060	253	243	11.4
3x185	15.9	20.1	47	51	55	57	63	8782	500	0.1640	291	276	14.1
3x240	18.2	22.9	53	58	61	64	69	10818	250	0.1250	344	321	18.2
3x300	20.5	25.5	59	64	67	70	76	13005	250	0.1000	394	362	22.8

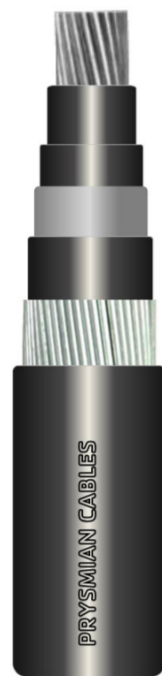
Dimension and Electrical Data (cont.)

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Sheath Diameter	Separation Sheath Diameter	Metallic Armour Diameter	Outer Sheath Diameter	Cable Weight	Packaging	Max. DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
4x16	5.2	7.4	21	24	26	27	30	2472	1000	1.9100	68	73	1.2
4x25	6.1	8.7	24	28	30	30	34	3008	1000	1.2000	89	93	1.9
4x35	7.1	9.7	27	30	32	33	36	3411	1000	0.8680	108	111	2.7
4x50	8.2	11.2	30	34	38	40	44	4630	1000	0.6410	132	132	3.8
4x70	9.8	12.8	35	38	42	45	49	5521	500	0.4430	165	162	5.3
4x95	11.4	14.9	40	43	47	49	54	6610	500	0.3200	201	194	7.2
4x120	13.1	16.6	44	48	51	54	59	7747	500	0.2530	232	221	9.1
4x150	14.1	18.0	47	51	55	57	63	8812	500	0.2060	260	245	11.4
4x185	15.9	20.1	52	57	60	63	68	10349	250	0.1640	302	280	14.1
4x240	18.2	22.9	59	64	67	70	76	13025	250	0.1250	353	324	18.2
4x300	20.5	25.5	65	71	74	77	83	15643	250	0.1000	404	366	22.8
5x16	5.2	7.4	23	26	28	29	32	2764	1000	1.9100	70	74	1.2
5x25	6.1	8.7	27	30	34	35	38	3571	1000	1.2000	92	94	1.9
5x35	7.1	9.7	29.4	33.1	36.7	39	43	4442	1000	0.8680	113	113	2.7
5x50	8.2	11.2	33.3	37.0	40.7	43	47	5237	500	0.6410	135	133	3.8
5x70	9.8	12.8	38	42	46	48	53	6291	500	0.4430	170	164	5.3
5x95	11.4	14.9	44	48	51	54	59	7748	500	0.3200	205	195	7.2
5x120	13.1	16.6	48	53	56	59	64	9060	500	0.2530	241	225	9.1
5x150	14.1	18.0	52	57	60	63	68	10346	250	0.2060	269	249	11.4
5x185	15.9	20.1	58	63	67	69	75	12620	250	0.1640	310	283	14.1

Aluminium Cables - Lead Sheath PVC Insulation

0.6/1 KV

AL/PVC/LS/PVC/AWA/PVC – NAYKR(AL)Y



CONSTRUCTION

Conductor	: Stranded Aluminium Wire according to IEC 60228 · Class 2 for Circular Stranded Un-compacted · Class 2 for Circular Stranded Compacted
Insulation	: PVC Compound
Inner Covering	: PVC Compound
Metallic Sheath	: Lead Alloy
Separation Sheath	: PVC Compound
Metallic Armour	: Aluminium Wires
Sheath	: PVC Compound ST1

CORES IDENTIFICATION

1-Core Natural or Black

Others colour available upon request

APPLICABLE STANDARDS

- | | |
|-----------------|----------------------------|
| SNI IEC 60502-1 | Design and Test Guidelines |
| IEC 60502-1 | 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 |

Special Feature on Request

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



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



Standard



Excellent



0°C



14 D



70°C
Normal
Operation
Temperature



160°C
Short
Circuit
Temperature

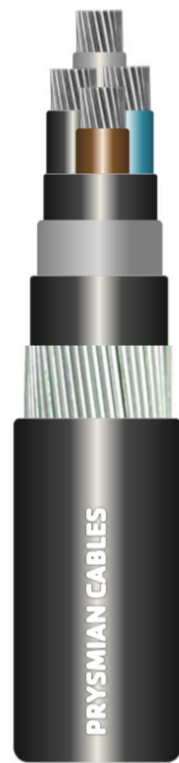
Dimension and Electrical Data

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Sheath Diameter	Separation Sheath Diameter	Metallic Armour Diameter	Outer Sheath Diameter	Cable Weight	Packaging	Max. DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
1x25	6.1	8.7	12	16	19	21	25	1485	1000	1.200	100	98	1.9
1x25	6.1	8.7	12	16	19	21	25	1485	1000	1.200	100	98	1.9
1x35	7.1	9.7	13	17	20	22	26	1608	1000	0.8680	121	117	2.7
1x50	8.2	11.2	14	18	21	24	28	1848	1000	0.6410	146	139	3.8
1x70	9.8	12.8	16	20	23	26	30	2065	1000	0.4430	182	171	5.3
1x95	11.4	14.9	18	22	25	28	32	2357	1000	0.3200	221	205	7.2
1x120	13.1	16.6	20	23	26	30	33	2602	1000	0.2530	257	235	9.1
1x150	14.1	18.0	21	25	28	31	35	2837	1000	0.2060	289	262	11.4
1x185	15.9	20.1	23	27	30	34	38	3262	1000	0.1640	334	297	14.1
1x240	18.2	22.9	26	30	33	37	41	3752	1000	0.1250	396	346	18.2
1x300	20.5	25.5	29	32	35	39	44	4255	1000	0.1000	454	391	22.8
1x400	22.9	28.4	32	35	38	42	47	4828	1000	0.0778	529	449	27.2
1x500	26.9	32.8	36	40	43	48	53	5936	500	0.0605	623	517	34.0
1x630	30.5	36.4	40	44	47	52	57	6823	500	0.0469	728	592	42.8

Aluminium Cables - Lead Sheath PVC Insulation

0.6/1 KV

AL/PVC/LS/PVC/SWA/PVC – NAYKRY



CONSTRUCTION

Conductor	: Stranded Aluminium Wire according to IEC 60228 · Class 2 for Circular Stranded Un-compacted · Class 2 for Circular Stranded Compacted
Insulation	: PVC Compound
Inner Covering	: PVC Compound
Metallic Sheath	: Lead Alloy
Separation Sheath	: PVC Compound
Metallic Armour	: Galvanized Steel Wires
Sheath	: PVC Compound ST1

CORE IDENTIFICATION

2-cores	Brown, Blue,
3-cores	Brown, Black, Grey
4-cores	Brown, Black, Grey, Blue
5-cores	Brown, Black, Grey, [Green/Yellow]

Others colour available upon request

APPLICABLE STANDARDS

SNI IEC 60502-1	Design and Test Guidelines
IEC 60502-1	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

Special Feature on Request

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



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



Standard



Excellent



0°C



14 D



70°C
Normal Operation Temperature



160°C
Short Circuit Temperature

Dimension and Electrical Data

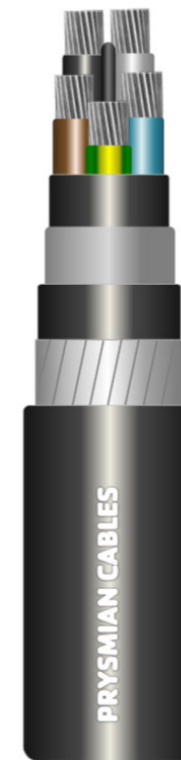
Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Sheath Diameter	Separation Sheath Diameter	Metallic Armour Diameter	Outer Sheath Diameter	Cable Weight	Packaging	Max. DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
2x16	5.2	7.4	17	21	24	27	31	2749	1000	1.9100	79	84	1.2
2x25	6.1	8.7	21	24	27	31	35	3250	1000	1.2000	102	107	1.9
2x35	7.1	9.7	23	26	29	33	37	3621	1000	0.8680	124	128	2.7
2x50	8.2	11.2	26	29	32	36	41	4421	1000	0.6410	148	151	3.8
2x70	9.8	12.8	29	32	36	40	44	5060	500	0.4430	185	186	5.3
2x95	11.4	14.9	33	37	40	44	49	5963	500	0.3200	224	222	7.2
2x120	13.1	16.6	37	41	44	49	54	7266	500	0.2530	261	255	9.1
2x150	14.1	18.0	40	43	46	51	57	8005	500	0.2060	290	282	11.4
2x185	15.9	20.1	44	48	51	56	62	9259	500	0.1640	333	320	14.1
2x240	18.2	22.9	49	54	57	62	68	11009	250	0.1250	392	372	18.2
2x300	20.5	25.5	55	59	62	67	74	13063	250	0.1000	449	420	22.8
3x16	5.2	7.4	19	22	25	29	32	2932	1000	1.9100	59	73	1.2
3x25	6.1	8.7	22	26	29	32	36	3473	1000	1.2000	89	92	1.9
3x35	7.1	9.7	24	28	31	35	39	4155	1000	0.8680	108	111	2.7
3x50	8.2	11.2	27	31	34	38	43	4772	1000	0.6410	128	129	3.8
3x70	9.8	12.8	31	34	37	42	46	5505	500	0.4430	160	159	5.3
3x95	11.4	14.9	36	39	42	48	53	7046	500	0.3200	192	187	7.2
3x120	13.1	16.6	39	43	46	51	57	7940	500	0.2530	223	214	9.1
3x150	14.1	18.0	42	46	49	54	60	8933	500	0.2060	248	236	11.4
3x185	15.9	20.1	47	51	54	59	65	10397	250	0.1640	282	264	14.1
3x240	18.2	22.9	53	58	61	66	72	12613	250	0.1250	328	303	18.2
3x300	20.5	25.5	59	64	67	73	80	15805	250	0.1000	367	331	22.8

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Sheath Diameter	Separation Sheath Diameter	Metallic Armour Diameter	Outer Sheath Diameter	Cable Weight	Packaging	Max. DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
4x16	5.2	7.4	21	24	27	31	35	3246	1000	1.9100	70	73	1.2
4x25	6.1	8.7	24	28	31	35	39	4130	1000	1.2000	92	94	1.9
4x35	7.1	9.7	27	30	33	37	42	4607	1000	0.8680	111	112	2.7
4x50	8.2	11.2	30	34	37	41	46	5360	500	0.6410	132	131	3.8
4x70	9.8	12.8	35	38	41	46	52	6773	500	0.4430	164	160	5.3
4x95	11.4	14.9	40	43	46	51	57	7986	500	0.3200	198	190	7.2
4x120	13.1	16.6	44	48	51	56	62	9228	500	0.2530	228	215	9.1
4x150	14.1	18.0	47	51	54	59	66	10425	250	0.2060	253	237	11.4
4x185	15.9	20.1	52	57	60	65	71	12120	250	0.1640	291	268	14.1
4x240	18.2	22.9	59	64	67	73	81	15850	250	0.1250	333	301	18.2
4x300	20.5	25.5	65	71	74	80	88	18723	250	0.1000	374	332	22.8
5x16	5.2	7.4	23	26	29	33	37	3598	1000	1.9100	72	74	1.2
5x25	6.1	8.7	27	30	33	37	42	4590	1000	1.2000	93	94	1.9
5x35	7.1	9.7	29	33	36	40	45	5158	500	0.8680	113	112	2.7
5x50	8.2	11.2	33	37	40	45	50	6430	500	0.6410	135	132	3.8
5x70	9.8	12.8	38	42	45	50	56	7621	500	0.4430	169	162	5.3
5x95	11.4	14.9	44	48	51	56	62	9227	500	0.3200	202	191	7.2
5x120	13.1	16.6	48	53	56	61	67	10692	250	0.2530	235	218	9.1
5x150	14.1	18.0	52	57	60	65	71	12117	250	0.2060	261	240	11.4
5x185	15.9	20.1	58	63	66	73	80	15431	250	0.1640	296	267	14.1

Aluminium Cables - Lead Sheath PVC Insulation

0.6/1 KV

AL/PVC/LS/PVC/SFA/PVC – NAYKFY



CONSTRUCTION

Conductor	: Stranded Aluminium Wire according to IEC 60228 · Class 2 for Circular Stranded Un-compacted · Class 2 for Circular Stranded Compacted
Insulation	: PVC Compound
Inner Covering	: PVC Compound
Metallic Sheath	: Lead Alloy
Separation Sheath	: PVC Compound
Metallic Armour	: Galvanized Steel Flat
Sheath	: PVC Compound ST1

CORE IDENTIFICATION

2-cores	Brown, Blue,
3-cores	Brown, Black, Grey
4-cores	Brown, Black, Grey, Blue
5-cores	Brown, Black, Grey, [Green/Yellow]

Others colour available upon request

APPLICABLE STANDARDS

SNI IEC 60502-1
IEC 60502-1
IEC 60228
IEC 60332-1
IEC 60332-3-22
IEC 60332-3-23
IEC 60332-3-24

Design and Test Guidelines
Design and Test Guidelines
Conductor
Flame Retardant
Flame Retardant Cat. A
Flame Retardant Cat. B
Flame Retardant Cat. C

Special Feature on Request

Flame Retardant Cat. A, B, C
Flame Retardant Non Category
Anti-termite
Anti-rodent

Oil Resistance
UV Resistance
Low Smoke Zero Halogen



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

Dimension and Electrical Data

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Sheath Diameter	Separation Sheath Diameter	Metallic Armour Diameter	Outer Sheath Diameter	Cable Weight	Max. DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	mm	mm	kg/km	Ω/km	A	A	kA
2x16	5.2	7.4	17	21	24	26	30	2460	1.910	78	84	1.2
2x25	6.1	8.7	21	24	27	29	33	2916	1.200	101	107	1.9
2x35	7.1	9.7	23	26	29	31	35	3246	0.868	122	128	2.7
2x50	8.2	11.2	26	29	32	34	38	3755	0.641	145	150	3.8
2x70	9.8	12.8	29	32	36	37	42	4386	0.443	182	185	5.3
2x95	11.4	14.9	33	37	40	41	46	5164	0.320	221	221	7.2
2x120	13.1	16.6	37	41	44	45	50	5993	0.253	257	254	9.1
2x150	14.1	18.0	40	43	46	48	53	6660	0.206	286	280	11.4
2x185	15.9	20.1	44	48	51	52	58	7789	0.164	329	318	14.1
2x240	18.2	22.9	49	54	57	58	64	9397	0.125	388	370	18.2
2x300	20.5	25.5	55	59	62	64	70	11311	0.100	444	418	22.8
3x16	5.2	7.4	19	22	25	27	31	2636	1.910	68	72	1.2
3x25	6.1	8.7	22	26	29	30	34	3147	1.200	88	92	1.9
3x35	7.1	9.7	24	28	31	32	37	3540	0.868	107	111	2.7
3x50	8.2	11.2	27	31	34	36	40	4105	0.641	127	129	3.8
3x70	9.8	12.8	31	34	37	39	44	4759	0.443	160	160	5.3
3x95	11.4	14.9	36	39	42	44	49	5787	0.320	192	189	7.2
3x120	13.1	16.6	39	43	46	48	53	6596	0.253	224	218	9.1
3x150	14.1	18.0	42	46	49	51	57	7517	0.206	250	241	11.4
3x185	15.9	20.1	47	51	54	56	62	8785	0.164	288	274	14.1
3x240	18.2	22.9	53	58	61	62	69	10875	0.125	341	319	18.2
3x300	20.5	25.5	59	64	67	68	75	13099	0.100	391	360	22.8

Dimension and Electrical Data (cont.)

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Sheath Diameter	Separation Sheath Diameter	Metallic Armour Diameter	Outer Sheath Diameter	Cable Weight	Max. DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	mm	mm	kg/km	Ω/km	A	A	kA
4x16	5.2	7.4	21	24	27	29	33	2911	1.910	70	73	1.2
4x25	6.1	8.7	24	28	31	33	37	3534	1.200	90	93	1.9
4x35	7.1	9.7	27	30	33	35	39	3959	0.868	109	111	2.7
4x50	8.2	11.2	30	34	37	39	43	4640	0.641	131	131	3.8
4x70	9.8	12.8	35	38	41	43	48	5533	0.443	163	161	5.3
4x95	11.4	14.9	40	43	46	48	53	6640	0.320	198	192	7.2
4x120	13.1	16.6	44	48	51	52	58	7758	0.253	230	220	9.1
4x150	14.1	18.0	47	51	54	56	62	8842	0.206	257	243	11.4
4x185	15.9	20.1	52	57	60	61	67	10366	0.164	299	279	14.1
4x240	18.2	22.9	59	64	67	69	76	13081	0.125	350	322	18.2
4x300	20.5	25.5	65	71	74	75	83	15719	0.100	401	364	22.8
5x16	5.2	7.4	23	26	29	31	35	3266	1.910	71	74	1.2
5x25	6.1	8.7	27	30	33	35	39	3923	1.200	92	94	1.9
5x35	7.1	9.7	29	33	36	38	42	4459	0.868	112	112	2.7
5x50	8.2	11.2	33	37	40	42	47	5245	0.641	133	132	3.8
5x70	9.8	12.8	38	42	45	47	52	6292	0.443	168	163	5.3
5x95	11.4	14.9	44	48	51	52	58	7757	0.320	203	194	7.2
5x120	13.1	16.6	48	53	56	57	63	9094	0.253	238	223	9.1
5x150	14.1	18.0	52	57	60	61	67	10362	0.206	266	248	11.4
5x185	15.9	20.1	58	63	66	68	75	12725	0.164	307	281	14.1

Aluminium Cables - Armoured XLPE Insulation

0.6/1 KV

AL/XLPE/PVC – NA2XY



CONSTRUCTION

Conductor	: Stranded Aluminium Wire according to IEC 60228 · Class 2 for Circular Stranded Un-compacted · Class 2 for Circular Stranded Compacted
Insulation	: XLPE Compound
Sheath	: PVC Compound ST2

CORES IDENTIFICATION

Core	Natural
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Others colour available upon request

APPLICABLE STANDARDS

SPLN 43-6
SNI IEC 60502-1
IEC 60502-1
IEC 60228
IEC 60332-1
IEC 60332-3-24

Design and Test Guidelines
Design and Test Guidelines
Design and Test Guidelines
Conductor
Flame Retardant
Flame Retardant Cat. C

Special Feature on Request

Flame Retardant Cat. C
Flame Retardant Non Category
Anti-termite
Anti-rodent

Oil Resistance
UV Resistance
Low Smoke Zero Halogen

IEC 60332-1 IEC 60332-3-24	Standard	Excellent	0°C	14 D	Pb	Normal Operation Temperature	Short Circuit Temperature

Dimension and Electrical Data

Cross Section	Conductor Diameter	Insulation Diameter	Outer Sheath Diameter	Cable Weight	Packaging	DC Resistance at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
1x16	5.1	6.7	10	110	1000	1.910	81	93	1.5
1x25	6.0	8.0	11	146	1000	1.200	109	120	2.4
1x35	7.0	9.0	12	180	1000	0.9	134	145	3.3
1x50	8.1	10.3	13	227	1000	0.641	165	171	4.7
1x70	9.7	12.1	15	299	1000	0.443	211	210	6.6
1x95	11.3	13.7	17	389	1000	0.320	260	250	9.0
1x120	13.0	15.6	19	487	1000	0.253	303	285	11.3
1x150	14.0	17.0	20	582	1000	0.206	353	319	14.2
1x185	16.0	19.4	23	715	1000	0.164	411	362	17.5
1x240	18.0	21.6	25	905	1000	0.125	494	420	22.7
1x300	20.2	24.0	28	1129	1000	0.100	571	474	28.3
1x400	22.7	26.9	31	1393	1000	0.0778	688	547	37.8
1x400	22.7	26.9	31	1407	1000	0.0778	688	547	37.8
1x500	26.6	31.2	36	1790	1000	0.0605	796	621	47.2
1x630	30.2	35.2	40	2329	1000	0.0469	932	706	59.5

Aluminium Cables - Armoured XLPE Insulation

0.6/1 KV

AL/XLPE/PVC – NA2XY



CONSTRUCTION

Conductor	: Stranded Aluminium Wire according to IEC 60228 · Class 2 for Circular Stranded Un-compacted · Class 2 for Circular Stranded Compacted
Insulation	: XLPE Compound
Inner Covering	: PVC Compound
Sheath	: PVC Compound ST2

CORE IDENTIFICATION

2-cores	Brown, Blue,
3-cores	Brown, Black, Grey
4-cores	Brown, Black, Grey, Blue
5-cores	Brown, Black, Grey, [Green/Yellow]

Others colour available upon request

APPLICABLE STANDARDS

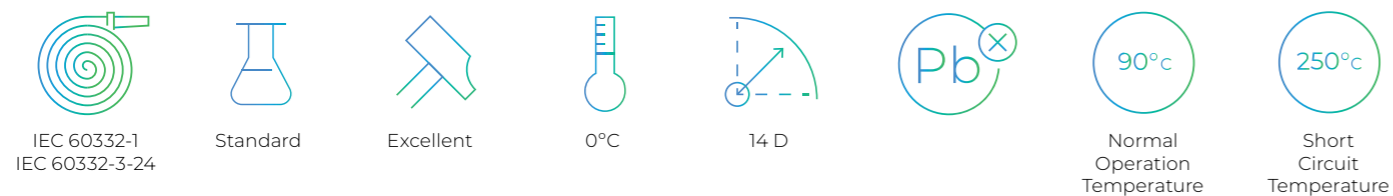
SPLN 43-6
SNI IEC 60502-1
IEC 60502-1
IEC 60228
IEC 60332-1
IEC 60332-3-24

Design and Test Guidelines
Design and Test Guidelines
Design and Test Guidelines
Conductor
Flame Retardant
Flame Retardant Cat. C

Special Feature on Request

Flame Retardant Cat. C
Flame Retardant Non Category
Anti-termite
Anti-rodent

Oil Resistance
UV Resistance
Low Smoke Zero Halogen



Dimension and Electrical Data

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Outer Sheath Diameter	Cable Weight	Packaging	DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
2x16	5.1	7	16	19	465	1000	1.910	91	101	1.5
2x25	6.0	8	19	22	611	1000	1.200	119	129	2.4
2x35	7.0	9	21	25	780	1000	0.868	147	156	3.3
2x50	8.1	10	24	27	995	1000	0.641	179	185	4.7
2x70	9.7	12	28	31	1302	1000	0.443	227	228	6.6
2x95	11.3	14	31	35	1635	1000	0.32	277	273	9.0
2x120	13.0	16	35	39	2043	1000	0.253	322	311	11.3
2x150	14.0	17	38	42	2461	1000	0.206	364	347	14.2
2x185	16.0	19	43	47	3055	1000	0.164	425	395	17.5
2x240	18.0	22	47	52	3776	500	0.125	501	459	22.7
2x300	20.2	24	52	57	4626	500	0.100	574	516	28.3
3x16	4.8	6	16	20	538	1000	1.910	77	85	1.5
3x25	6.0	8	20	24	670	1000	1.200	101	108	2.4
3x35	7.0	9	23	26	774	1000	0.868	125	130	3.3
3x50	8.1	10	26	29	916	1000	0.641	155	159	4.7
3x70	9.7	12	30	33	1144	1000	0.443	195	195	6.6
3x95	11.3	14	33	37	1410	1000	0.32	240	233	9.0
3x120	13.0	16	38	42	2393	1000	0.253	279	266	11.3
3x150	14.0	17	41	45	2826	1000	0.206	319	297	14.2
3x185	15.7	19	45	50	3432	1000	0.164	374	338	17.5
3x240	18.0	22	51	56	4345	500	0.125	439	392	22.7
3x300	20.2	24	56	61	5342	500	0.100	506	443	28.3

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Outer Sheath Diameter	Cable Weight	Packaging	DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
4x16	5.1	7	19	23	637	1000	1.910	85	91	1.5
4x25	6.0	8	23	26	878	1000	1.200	112	117	2.4
4x35	7.0	9	25	29	1068	1000	0.868	139	141	3.3
4x50	8.1	10	28	32	1340	1000	0.641	164	164	4.7
4x70	9.7	12	33	37	1767	1000	0.443	206	199	6.6
4x95	11.3	14	37	41	2298	1000	0.32	253	239	9.0
4x120	13.0	16	42	46	2907	1000	0.253	295	272	11.3
4x150	14.0	17	45	50	3435	1000	0.206	343	308	14.2
4x185	15.7	19	50	55	4201	500	0.164	393	347	17.5
4x240	18.0	22	56	62	5290	500	0.125	466	403	22.7
4x300	20.2	24	62	68	6559	500	0.100	537	456	28.3
5x16	5.1	7	21	25	717	1000	1.910	88	93	1.5
5x25	6.0	8	25	29	982	1000	1.200	117	119	2.4
5x35	7.0	9	28	31	1205	1000	0.868	144	144	3.3
5x50	8.1	10	31	35	1519	1000	0.641	176	170	4.7
5x70	9.7	12	37	41	2063	1000	0.443	206	202	6.6
5x95	11.3	14	41	46	2637	1000	0.32	254	242	9.0
5x120	13.0	16	46	51	3298	1000	0.253	296	277	11.3

Aluminium Cables - Armoured XLPE Insulation

0.6/1 KV

AL/XLPE/PVC/DATA/PVC – NA2XB(AL)Y



CONSTRUCTION

Conductor	: Stranded Aluminium Wire according to IEC 60228
	· Class 2 for Circular Stranded Un-compacted
	· Class 2 for Circular Stranded Compacted
Insulation	: XLPE Compound
Inner Covering	: PVC Compound
Metallic Armour	: Aluminium Tape
Sheath	: PVC Compound ST1

CORES IDENTIFICATION

1-Core Natural or Black

Others colour available upon request

APPLICABLE STANDARDS

SPLN 43-6
 SNI IEC 60502-1
 IEC 60502-1
 IEC 60228
 IEC 60332-1
 IEC 60332-3-22
 IEC 60332-3-23
 IEC 60332-3-24

Design and Test Guidelines
 Design and Test Guidelines
 Design and Test Guidelines
 Conductor
 Flame Retardant
 Flame Retardant Cat. A
 Flame Retardant Cat. B
 Flame Retardant Cat. C

Special Feature on Request

Flame Retardant Cat. A, B, C
 Flame Retardant Non Category
 Anti-termite
 Anti-rodent

Oil Resistance
 UV Resistance
 Low Smoke Zero Halogen



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



Standard



Excellent



0°C



14 D



Lead-free



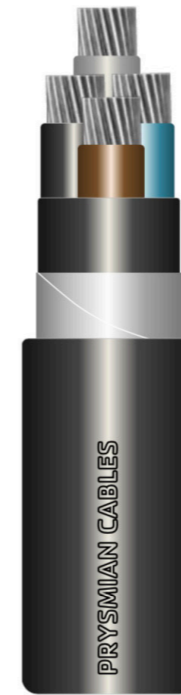
Normal Operation Temperature



Short Circuit Temperature

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Armour Diameter	Outer Sheath Diameter	Cable Weight	Packaging	DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
1x16	5.1	6.7	10	10	14	228	1000	1.910	92	93	1.5
1x25	6.0	8.0	11	12	15	278	1000	1.200	120	120	2.4
1x35	7.0	9.0	12	13	16	322	1000	0.868	146	143	3.3
1x50	8.1	10.3	13	14	18	382	1000	0.641	177	170	4.7
1x70	9.7	12.1	15	16	20	473	1000	0.443	224	208	6.6
1x95	11.3	13.7	17	17	21	562	1000	0.32	274	248	9.0
1x120	13.0	15.6	18	19	23	674	1000	0.253	316	283	11.3
1x150	14.0	17.0	20	21	24	772	1000	0.206	364	317	14.2
1x185	15.7	19.1	22	23	27	912	1000	0.164	421	359	17.5
1x240	18.0	21.6	25	25	29	1123	1000	0.125	502	416	22.7
1x300	20.2	24.0	27	28	32	1369	1000	0.100	577	468	28.3
1x400	22.7	26.9	30	31	35	1669	1000	0.0778	685	535	37.8
1x500	26.6	31.2	34	37	41	2228	1000	0.0605	786	603	47.2
1x630	30.2	35.2	38	41	45	2818	500	0.0469	906	677	59.5

Aluminium Cables - Armoured XLPE Insulation 0.6/1 KV AL/XLPE/PVC/DSTA/PVC – NA2XBY



CONSTRUCTION

Conductor	: Stranded Aluminium Wire according to IEC 60228 · Class 2 for Circular Stranded Un-compacted · Class 2 for Circular Stranded Compacted
Insulation	: XLPE Compound
Inner Covering	: PVC Compound
Metallic Armour	: Double Galvanized Steel Tapes Armour
Sheath	: PVC Compound ST2

CORE IDENTIFICATION

2-cores	Brown, Blue,
3-cores	Brown, Black, Grey
4-cores	Brown, Black, Grey, Blue
5-cores	Brown, Black, Grey, [Green/Yellow]

Others colour available upon request

APPLICABLE STANDARDS

SPLN 43-6
SNI IEC 60502-1
IEC 60502-1
IEC 60228
IEC 60332-1
IEC 60332-3-22
IEC 60332-3-23
IEC 60332-3-24

Design and Test Guidelines
Design and Test Guidelines
Design and Test Guidelines
Conductor
Flame Retardant
Flame Retardant Cat. A
Flame Retardant Cat. B
Flame Retardant Cat. C

Special Feature on Request

Flame Retardant Cat. A, B, C
Flame Retardant Non Category
Anti-termite
Anti-rodent

Oil Resistance
UV Resistance
Low Smoke Zero Halogen



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



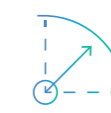
Standard



Excellent



0°C



14 D



Normal
Operation
Temperature



Short
Circuit
Temperature

Dimension and Electrical Data

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Armour Diameter	Outer Sheath Diameter	Cable Weight	Packaging	Max. DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
2x16	5.1	6.7	16	17	20	565	1000	1.910	92	103	1.5
2x25	6.0	8.0	19	20	23	767	1000	1.200	121	132	2.4
2x35	7.0	9.0	21	22	25	913	1000	0.868	149	159	3.3
2x50	8.1	10.3	24	25	28	1145	1000	0.641	181	189	4.7
2x70	9.7	12.1	28	28	32	1475	1000	0.443	229	233	6.6
2x95	11.3	13.7	31	32	35	1835	1000	0.320	280	277	9.0
2x120	13.0	15.6	35	37	41	2626	1000	0.253	329	318	11.3
2x150	14.0	17.0	38	41	45	3121	1000	0.206	371	354	14.2
2x185	15.7	19.1	42	45	49	3721	1000	0.164	431	402	17.5
2x240	18.0	21.6	47	50	55	4592	500	0.125	508	465	22.7
2x300	20.2	24.0	52	55	60	5495	500	0.100	582	524	28.3
3x16	5.1	6.7	17	18	21	621	1000	1.910	78	87	1.5
3x25	6.0	8.0	20	21	24	846	1000	1.200	103	110	2.4
3x35	7.0	9.0	23	24	27	1044	1000	0.868	127	132	3.3
3x50	8.1	10.3	26	26	30	1278	1000	0.641	157	161	4.7
3x70	9.7	12.1	30	30	34	1654	1000	0.443	198	196	6.6
3x95	11.3	13.7	33	34	38	2091	1000	0.320	242	234	9.0
3x120	13.0	15.6	38	40	44	3045	1000	0.253	285	269	11.3
3x150	14.0	17.0	41	43	48	3529	1000	0.206	325	300	14.2
3x185	15.7	19.1	45	48	52	4210	500	0.164	377	340	17.5
3x240	18.0	21.6	51	53	58	5216	500	0.125	446	395	22.7
3x300	20.2	24.0	56	58	64	6300	500	0.100	512	445	28.3

Dimension and Electrical Data (cont.)

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Armour Diameter	Outer Sheath Diameter	Cable Weight	Packaging	Max. DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
4x16	5.1	6.7	19	20	23	762	1000	1.910	86	92	1.5
4x25	6.0	8.0	23	24	27	1019	1000	1.200	114	119	2.4
4x35	7.0	9.0	25	26	29	1226	1000	0.868	141	143	3.3
4x50	8.1	10.3	28	29	33	1525	1000	0.641	166	165	4.7
4x70	9.7	12.1	33	34	37	1981	1000	0.443	209	201	6.6
4x95	11.3	13.7	37	40	44	2980	1000	0.320	259	241	9.0
4x120	13.0	15.6	42	44	49	3646	1000	0.253	300	275	11.3
4x150	14.0	17.0	45	48	52	4211	500	0.206	349	310	14.2
4x185	15.7	19.1	50	53	58	5062	500	0.164	399	349	17.5
4x240	18.0	21.6	56	59	64	6289	500	0.125	473	405	22.7
4x300	20.2	24.0	62	65	70	7621	500	0.100	543	458	28.3
5x16	5.1	6.7	21	22	25	893	1000	1.910	89	94	1.5
5x25	6.0	8.0	25	26	29	1197	1000	1.200	119	121	2.4
5x35	7.0	9.0	28	29	32	1453	1000	0.868	146	145	3.3
5x50	8.1	10.3	31	32	36	1815	1000	0.641	179	172	4.7
5x70	9.7	12.1	37	39	43	2843	1000	0.443	206	199	6.6
5x95	11.3	13.7	41	44	48	3545	1000	0.320	254	240	9.0
5x120	13.0	15.6	46	49	53	4322	1000	0.253	295	274	11.3
5x150	14.0	17.0	50	53	58	5031	500	0.206	335	307	14.2
5x185	15.7	19.1	56	58	64	6058	500	0.164	388	349	17.5

Aluminium Cables - Armoured XLPE Insulation

0.6/1 KV

AL/XLPE/PVC/AWA/PVC – NA2XR(AL)Y



CONSTRUCTION

Conductor	: Stranded Aluminium Wire according to IEC 60228 · Class 2 for Circular Stranded Un-compacted · Class 2 for Circular Stranded Compacted
Insulation	: XLPE Compound
Inner Covering	: PVC Compound
Metallic Armour	: Aluminium Wires
Sheath	: PVC Compound ST2

CORES IDENTIFICATION

1-Core	Black
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Others colour available upon request

APPLICABLE STANDARDS

- SPLN 43-7
- SNI IEC 60502-1
- IEC 60502-1
- IEC 60228
- IEC 60332-1
- IEC 60332-3-22
- IEC 60332-3-23
- IEC 60332-3-24
- Design and Test Guidelines
- Design and Test Guidelines
- Design and Test Guidelines
- Conductor
- Flame Retardant
- Flame Retardant Cat. A
- Flame Retardant Cat. B
- Flame Retardant Cat. C

Special Feature on Request

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



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

Dimension and Electrical Data

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Armour Diameter	Outer Sheath Diameter	Cable Weight	Packaging	DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
1x16	5.2	6.8	9	11	15	266	1000	1.9100	91	94	1.5
1x25	6.1	8.1	11	13	17	332	1000	1.2000	120	121	2.4
1x35	7.1	9.1	12	14	18	382	1000	0.8680	145	145	3.3
1x50	8.2	10.4	13	16	20	484	1000	0.6410	176	171	4.7
1x70	9.8	12.2	15	18	22	585	1000	0.4430	220	209	6.6
1x95	11.4	13.9	17	19	23	699	1000	0.3200	269	250	9.0
1x120	13.1	15.8	19	22	26	873	1000	0.2530	315	286	11.3
1x150	14.1	17.2	20	23	27	982	1000	0.2060	357	319	14.2
1x185	15.9	19.3	22	26	29	1143	1000	0.1640	413	363	17.5
1x240	18.2	21.9	25	28	32	1390	1000	0.1250	491	422	22.7
1x300	20.5	24.3	27	31	35	1640	1000	0.1000	566	477	28.3
1x400	22.9	27.2	30	34	39	2075	1000	0.0778	663	546	37.8
1x500	26.9	31.6	35	39	44	2610	1000	0.0605	784	627	47.2
1x630	30.5	35.6	39	43	48	3224	1000	0.0469	916	717	59.5

Aluminium Cables - Armoured XLPE Insulation

0.6/1 KV

AL/XLPE/PVC/SWA/PVC – NA2XRY



CONSTRUCTION

Conductor	: Stranded Aluminium Wire according to IEC 60228 · Class 2 for Circular Stranded Un-compacted · Class 2 for Circular Stranded Compacted
Insulation	: XLPE Compound
Inner Covering	: PVC Compound
Metallic Armour	: Galvanized Steel Wires
Sheath	: PVC Compound ST2

CORE IDENTIFICATION

2-cores	Brown, Blue,
3-cores	Brown, Black, Grey
4-cores	Brown, Black, Grey, Blue
5-cores	Brown, Black, Grey, [Green/Yellow]

Others colour available upon request

APPLICABLE STANDARDS

SPLN 43-7	Design and Test Guidelines
SNI IEC 60502-1	Design and Test Guidelines
IEC 60502-1	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

Special Feature on Request

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

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

Dimension and Electrical Data

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Armour Diameter	Outer Sheath Diameter	Cable Weight	Packaging	Max. DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
2x16	5.1	7.3	17	20	23	936	1000	1.910	95	103	1.5
2x25	6.0	8.6	20	24	27	1347	1000	1.200	125	132	2.4
2x35	7.0	9.6	23	26	30	1582	1000	0.868	154	160	3.3
2x50	8.1	11.1	26	29	33	1893	1000	0.641	186	189	4.7
2x70	9.7	12.7	29	33	37	2501	1000	0.443	235	231	6.6
2x95	11.3	14.7	33	37	42	3105	1000	0.32	288	277	9.0
2x120	13.0	16.4	37	41	46	3929	1000	0.253	333	315	11.3
2x150	14.0	17.8	40	45	50	4787	500	0.206	375	350	14.2
2x185	15.7	19.9	44	49	54	5644	500	0.164	437	398	17.5
2x240	18.0	22.6	49	54	60	6831	500	0.125	513	460	22.7
2x300	20.2	25.2	55	60	66	7608	250	0.100	585	516	28.3
3x16	5.1	7.3	19	21	25	1076	1000	1.910	81	87	1.5
3x25	6.0	8.6	22	25	29	1470	1000	1.200	106	111	2.4
3x35	7.0	9.6	24	27	31	1730	1000	0.868	131	134	3.3
3x50	8.1	11.1	27	31	35	2111	1000	0.641	162	163	4.7
3x70	9.7	12.7	31	35	39	2796	1000	0.443	205	199	6.6
3x95	11.3	14.7	36	40	45	3558	1000	0.320	250	237	9.0
3x120	13.0	16.4	39	43	48	4132	500	0.253	290	270	11.3
3x150	14.0	17.8	42	47	53	5090	500	0.206	332	302	14.2
3x185	15.7	19.9	47	52	58	5975	500	0.164	384	341	17.5
3x240	18.0	22.6	53	58	64	7254	250	0.125	451	394	22.7
3x300	20.2	25.2	59	64	70	8651	500	0.100	516	442	28.3

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Armour Diameter	Outer Sheath Diameter	Cable Weight	Packaging	Max. DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
4x16	5.1	7.3	21	24	28	1362	1000	1.910	90	94	1.5
4x25	6.0	8.6	24	28	31	1716	1000	1.200	119	121	2.4
4x35	7.0	9.6	27	30	34	2009	1000	0.868	146	144	3.3
4x50	8.1	11.1	30	34	39	2690	1000	0.641	171	167	4.7
4x70	9.7	12.7	34	38	43	3295	1000	0.443	215	203	6.6
4x95	11.3	14.7	40	45	50	4515	1000	0.32	263	242	9.0
4x120	13.0	16.4	44	49	54	5258	1000	0.253	307	276	11.3
4x150	14.0	17.8	47	52	58	6074	500	0.206	355	311	14.2
4x185	15.7	19.9	52	57	63	7020	500	0.164	405	349	17.5
4x240	18.0	22.6	59	64	70	8574	500	0.125	476	403	22.7
4x300	20.2	25.2	65	71	78	11086	500	0.100	544	452	28.3
5x16	5.1	7.3	23	26	30	1550	1000	1.9100	93	95	1.5
5x25	6.0	8.6	27	30	34	1971	1000	1.2000	123	123	2.4
5x35	7.0	9.6	30	34	38	2556	1000	0.868	151	146	3.3
5x50	8.1	11.1	33	37	42	3099	1000	0.641	185	174	4.7
5x70	9.7	12.7	38	42	47	3910	1000	0.443	209	201	6.6
5x95	11.3	14.7	44	49	54	5271	1000	0.32	258	241	9.0
5x120	13.0	16.4	48	53	59	6116	1000	0.253	299	275	11.3
5x150	14.0	17.8	52	57	63	7102	500	0.206	338	307	14.2
5x185	15.7	19.9	58	63	69	8226	500	0.164	389	347	17.5

Aluminium Cables - Armoured XLPE Insulation 0.6/1 KV AL/XLPE/PVC/SFA/PVC – NA2XFY



CONSTRUCTION

Conductor	: Stranded Aluminium Wire according to IEC 60228 · Class 2 for Circular Stranded Un-compacted · Class 2 for Circular Stranded Compacted
Insulation	: XLPE Compound
Inner Covering	: PVC Compound
Metallic Armour	: Galvanized Steel Flat
Sheath	: PVC Compound ST2

CORE IDENTIFICATION

2-cores	Brown, Blue,
3-cores	Brown, Black, Grey
4-cores	Brown, Black, Grey, Blue
5-cores	Brown, Black, Grey, [Green/Yellow]

Others colour available upon request

APPLICABLE STANDARDS

SNI IEC 60502-1
IEC 60502-1
IEC 60228
IEC 60332-1
IEC 60332-3-22
IEC 60332-3-23
IEC 60332-3-24

Design and Test Guidelines
Design and Test Guidelines
Conductor
Flame Retardant
Flame Retardant Cat. A
Flame Retardant Cat. B
Flame Retardant Cat. C

Special Feature on Request

Flame Retardant Cat. A, B, C
Flame Retardant Non Category
Anti-termite
Anti-rodent

Oil Resistance
UV Resistance
Low Smoke Zero Halogen



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



Standard



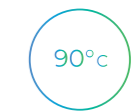
Excellent



0°C



14 D



Normal
Operation
Temperature



Short
Circuit
Temperature

Dimension and Electrical Data

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Armour Diameter	Outer Sheath Diameter	Cable Weight	Packaging	Max. DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
2x25	6.1	8.1	19	21	25	1046	1000	1.200	118	127	2.4
2x35	7.1	9.1	21	23	27	1208	1000	0.868	144	153	3.3
2x50	8.2	10.4	24	26	29	1448	1000	0.641	173	181	4.7
2x70	9.8	12.2	28	29	33	1808	1000	0.443	218	223	6.6
2x95	11.4	13.9	31	32	37	2201	1000	0.320	264	266	9.0
2x120	13.1	15.8	35	37	41	2743	1000	0.253	310	305	11.3
2x150	14.1	17.2	38	40	44	3173	1000	0.206	350	340	14.2
2x185	15.9	19.3	42	44	49	3784	1000	0.164	399	383	17.5
2x240	18.2	21.9	47	49	54	4678	1000	0.125	473	446	22.7
2x300	20.5	24.3	52	54	60	5611	500	0.100	540	502	28.3
3x25	6.1	8.1	21	22	26	1146	1000	1.200	103	109	2.4
3x35	7.1	9.1	23	24	28	1329	1000	0.868	125	131	3.3
3x50	8.2	10.4	26	27	31	1614	1000	0.641	151	155	4.7
3x70	9.8	12.2	29	31	35	2047	1000	0.443	188	189	6.6
3x95	11.4	13.9	33	35	39	2501	1000	0.320	230	227	9.0
3x120	13.1	15.8	38	39	44	3109	1000	0.253	269	260	11.3
3x150	14.1	17.2	41	42	47	3600	1000	0.206	301	287	14.2
3x185	15.9	19.3	45	47	52	4288	1000	0.164	347	326	17.5
3x240	18.2	21.9	51	52	58	5313	500	0.125	406	375	22.7
3x300	20.5	24.3	56	58	64	6422	500	0.100	465	422	28.3

Dimension and Electrical Data (cont.)

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Armour Diameter	Outer Sheath Diameter	Cable Weight	Packaging	Max. DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
4x16	5.2	6.8	19	21	25	1018	1000	1.910	80	85	1.5
4x25	6.1	8.1	23	24	28	1327	1000	1.200	106	111	2.4
4x35	7.1	9.1	25	27	31	1571	1000	0.868	129	133	3.3
4x50	8.2	10.4	28	30	34	1920	1000	0.641	155	157	4.7
4x70	9.8	12.2	33	34	39	2430	1000	0.443	194	191	6.6
4x95	11.4	13.9	37	39	43	3069	1000	0.320	239	230	9.0
4x120	13.1	15.8	42	43	48	3741	1000	0.253	275	261	11.3
4x150	14.1	17.2	45	47	52	4330	1000	0.206	310	291	14.2
4x185	15.9	19.3	50	52	58	5204	500	0.164	358	329	17.5
4x240	18.2	21.9	56	58	64	6436	500	0.125	419	378	22.7
4x300	20.5	24.3	62	64	70	7779	500	0.100	479	425	28.3
5x16	5.2	6.8	21	23	26	1181	1000	1.910	82	87	1.5
5x25	6.1	8.1	25	27	30	1533	1000	1.200	109	112	2.4
5x35	7.1	9.1	28	29	33	1806	1000	0.868	133	134	3.3
5x50	8.2	10.4	31	33	37	2243	1000	0.641	159	157	4.7
5x70	9.8	12.2	37	38	43	2936	1000	0.443	201	194	6.6
5x95	11.4	13.9	41	43	48	3646	1000	0.320	243	231	9.0
5x120	13.1	15.8	46	48	53	4446	1000	0.253	284	264	11.3
5x150	14.1	17.2	50	52	57	5145	500	0.206	320	294	14.2
5x185	15.9	19.3	56	57	63	6208	500	0.164	365	331	17.5

Aluminium Cables - Shielded XLPE Insulation

0.6/1 KV

AL/XLPE/CWS/PVC – NA2XCY



CONSTRUCTION

Conductor	: Stranded Aluminium Wire according to IEC 60228 · Class 2 for Circular Stranded Un-compacted · Class 2 for Circular Stranded Compacted
Insulation	: XLPE Compound
Inner Covering	: PVC Compound
Concentric Conductor	: Plain Annealed Copper Wires
Sheath	: PVC Compound ST1

CORES IDENTIFICATION

1-Core Natural or Black

Others colour available upon request

APPLICABLE STANDARDS

- | | |
|-----------------|----------------------------|
| SPLN 43-4 | Design and Test Guidelines |
| SNI IEC 60502-1 | Design and Test Guidelines |
| IEC 60502-1 | 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 |

Special Feature on Request

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

IEC 60332-1 IEC 60332-3-22 IEC 60332-3-23 IEC 60332-3-24	Standard	Excellent	0°C	14 D	Pb	Normal Operation Temperature	Short Circuit Temperature

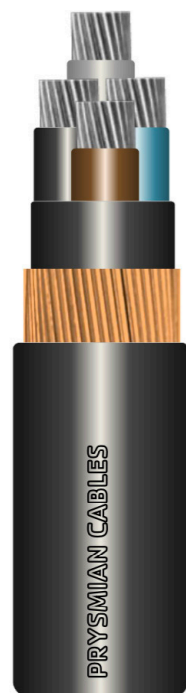
Dimension and Electrical Data

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Concentric Conductor Diameter	Outer Sheath Diameter	Cable Weight	Packaging	DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
1x16/16	5.2	6.8	9	11	15	304	1000	1.910	91	94	1.5
1x25/16	6.1	8.1	11	13	17	361	1000	1.200	119	121	2.4
1x35/16	7.1	9.1	12	14	18	404	1000	0.868	145	145	3.3
1x50/25	8.2	10.4	13	15	19	515	1000	0.641	174	171	4.7
1x70/35	9.8	12.2	15	17	21	654	1000	0.443	219	209	6.6
1x95/50	11.4	13.9	17	19	23	823	1000	0.320	267	250	9.0
1x120/70	13.1	15.8	19	21	25	1052	1000	0.253	313	286	11.3
1x150/70	14.1	17.2	20	23	27	1290	1000	0.206	355	319	14.2
1x185/95	15.9	19.3	22	25	29	1429	1000	0.164	411	362	17.5
1x240/120	18.2	21.9	25	28	32	1786	1000	0.125	488	420	22.7
1x300/150	20.5	24.3	27	30	34	2178	1000	0.100	562	473	28.3

Aluminium Cables - Shielded XLPE Insulation

0.6/1 KV

AL/XLPE/CWS/PVC – NA2XCY



CONSTRUCTION

Conductor	: Stranded Aluminium Wire according to IEC 60228 · Class 2 for Circular Stranded Un-compacted · Class 2 for Circular Stranded Compacted
Insulation	: XLPE Compound
Inner Covering	: PVC Compound
Concentric Conductor	: Plain Annealed Copper Wires
Sheath	: PVC Compound ST2

CORE IDENTIFICATION

2-cores	Brown, Blue,
3-cores	Brown, Black, Grey
4-cores	Brown, Black, Grey, Blue
5-cores	Brown, Black, Grey, [Green/Yellow]

Others colour available upon request

APPLICABLE STANDARDS

SNI IEC 60502-1	Design and Test Guidelines
IEC 60502-1	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

Special Feature on Request

Flame Retardant Cat. A, B, C	Oil Resistance
Flame Retardant Non Category	UV Resistance
Anti-termites	Low Smoke Zero Halogen
Anti-rodent	

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

Standard

Excellent

0°C

14 D

Pb

90°C
Normal
Operation
Temperature

250°C
Short
Circuit
Temperature

Dimension and Electrical Data

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Concentric Conductor Diameter	Outer Sheath Diameter	Cable Weight	Packaging	DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
2x16/16	5.1	6.7	16	18	21	567	1000	1.910	94	104	1.5
2x25/16	6.0	8.0	19	21	25	748	1000	1.200	125	135	2.4
2x35/16	7.0	9.0	21	23	27	881	1000	0.868	152	162	3.3
2x50/25	8.1	10.3	24	26	30	1145	1000	0.641	183	182	4.7
2x70/35	9.7	12.1	28	29	33	1502	1000	0.443	231	237	6.6
2x95/50	11.3	13.7	31	33	37	1906	500	0.320	284	285	9.0
2x120/70	13.0	15.6	35	37	41	2434	500	0.253	331	325	11.3
2x150/70	14.0	17.0	38	40	45	2875	500	0.206	374	362	14.2
2x185/95	15.7	19.1	42	45	50	3548	500	0.164	433	410	17.5
2x240/120	18.0	21.6	47	50	56	4482	500	0.125	514	477	22.7
2x300/150	20.2	24.0	52	55	61	5482	250	0.100	589	537	28.3
3x16/16	5.1	6.7	17	19	22	615	1000	1.910	80	88	1.5
3x25/16	6.0	8.0	20	22	26	819	1000	1.200	107	114	2.4
3x35/16	7.0	9.0	23	25	28	1001	1000	0.868	120	137	3.3
3x50/25	8.1	10.3	26	27	31	1269	1000	0.641	157	162	4.7
3x70/35	9.7	12.1	30	31	35	1670	1000	0.443	198	200	6.6
3x95/50	11.3	13.7	33	35	39	2149	500	0.320	244	240	9.0
3x120/70	13.0	15.6	38	40	44	2805	500	0.253	284	274	11.3
3x150/70	14.0	17.0	41	43	48	3220	500	0.206	322	305	14.2
3x185/95	15.7	19.1	45	48	53	3991	500	0.164	374	347	17.5
3x240/120	18.0	21.6	51	54	59	5054	500	0.125	443	402	22.7
3x300/150	20.2	24.0	56	59	65	6201	250	0.100	507	452	28.3

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Concentric Conductor Diameter	Outer Sheath Diameter	Cable Weight	Packaging	DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
4x16/16	5.1	6.7	19	21	25	733	1000	1.910	83	89	1.5
4x25/16	6.0	8.0	23	25	28	963	1000	1.200	110	116	2.4
4x35/16	7.0	9.0	25	27	31	1151	1000	0.868	140	145	3.3
4x50/25	8.1	10.3	28	30	34	1477	1000	0.641	164	162	4.7
4x70/35	9.7	12.1	33	34	39	1966	1000	0.443	205	202	6.6
4x95/50	11.3	13.7	37	39	44	2582	500	0.320	252	243	9.0
4x120/70	13.0	15.6	42	44	49	3270	500	0.253	293	277	11.3
4x150/70	14.0	17.0	45	47	52	3796	500	0.206	332	309	14.2
4x185/95	15.7	19.1	50	53	59	4691	500	0.164	386	351	17.5
4x240/120	18.0	21.6	56	59	65	5944	500	0.125	457	406	22.7
4x300/150	20.2	24.0	62	65	71	7307	250	0.100	523	457	28.3
5x16/16	5.1	6.7	21	23	27	826	1000	1.910	85	85	1.5
5x25/16	6.0	8.0	25	27	31	1094	1000	1.200	114	114	2.4
5x35/16	7.0	9.0	28	30	34	1341	1000	0.868	138	138	3.3
5x50/25	8.1	10.3	31	33	37	1709	1000	0.641	167	167	4.7
5x70/35	9.7	12.1	37	38	43	2341	1000	0.443	211	211	6.6
5x95/50	11.3	13.7	41	43	48	2990	500	0.320	260	260	9.0
5x120/70	13.0	15.6	46	48	54	3805	500	0.253	303	303	11.3
5x150/70	14.0	17.0	50	52	58	4428	500	0.206	343	343	14.2
5x185/95	15.7	19.1	56	58	64	5467	500	0.164	393	393	17.5

Aluminium Cables - Shielded XLPE Insulation 0.6/1 KV AL/XLPE/CTS/PVC – NA2XSJY



CONSTRUCTION

Conductor	: Stranded Aluminium Wire according to IEC 60228 · Class 2 for Circular Stranded Un-compacted · Class 2 for Circular Stranded Compacted
Insulation	: XLPE Compound
Inner Covering	: PVC Compound
Metallic Screen	: Plain Annealed Copper Tapes
Sheath	: PVC Compound ST2

CORES IDENTIFICATION

1-Core Natural or Black

Others colour available upon request

APPLICABLE STANDARDS

SNI IEC 60502-1
IEC 60502-1
IEC 60228
IEC 60332-1
IEC 60332-3-22
IEC 60332-3-23
IEC 60332-3-24

Design and Test Guidelines
Design and Test Guidelines
Conductor
Flame Retardant
Flame Retardant Cat. A
Flame Retardant Cat. B
Flame Retardant Cat. C

Special Feature on Request

Flame Retardant Cat. A, B, C
Flame Retardant Non Category
Anti-termite
Anti-rodent

Oil Resistance
UV Resistance
Low Smoke Zero Halogen



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

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Screen Diameter	Outer Sheath Diameter	Cable Weight	Packaging	DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
1x16	5.1	6.7	10	10	14	217	1000	1.910	86	91	1.5
1x25	6.0	8.0	11	11	15	266	1000	1.200	115	118	2.4
1x35	7.0	9.0	12	12	16	310	1000	0.868	140	141	3.3
1x50	8.1	10.3	13	13	17	369	1000	0.641	171	168	4.7
1x70	9.7	12.1	15	15	19	458	1000	0.443	217	206	6.6
1x95	11.3	13.7	17	17	21	560	1000	0.320	266	246	9
1x120	13.0	15.6	18	19	22	672	1000	0.253	308	281	11.3
1x150	14.0	17.0	20	20	24	771	1000	0.206	357	316	14.2
1x185	15.7	19.1	22	22	26	911	1000	0.164	414	359	17.5
1x240	18.0	21.6	25	25	29	1123	1000	0.125	496	417	22.7
1x300	20.2	24.0	27	27	31	1369	1000	0.100	573	472	28.3
1x400	22.7	26.9	30	30	34	1670	1000	0.0778	687	542	37.8
1x500	26.6	31.2	34	34	39	2093	1000	0.0605	793	615	47.2
1x630	30.2	36.0	38	39	43	2648	1000	0.0469	923	698	59.5

Aluminium Cables - Shielded XLPE Insulation 0.6/1 KV AL/XLPE/CTS/PVC – NA2XSY



CONSTRUCTION

Conductor	: Stranded Aluminium Wire according to IEC 60228 · Class 2 for Circular Stranded Un-compacted · Class 2 for Circular Stranded Compacted
Insulation	: XLPE Compound
Inner Covering	: PVC Compound
Metallic Screen	: Plain Annealed Copper Tapes
Sheath	: PVC Compound ST2

CORE IDENTIFICATION

2-cores	Brown, Blue,
3-cores	Brown, Black, Grey
4-cores	Brown, Black, Grey, Blue
5-cores	Brown, Black, Grey, [Green/Yellow]

Others colour available upon request

APPLICABLE STANDARDS

SNI IEC 60502-1
IEC 60502-1
IEC 60228
IEC 60332-1
IEC 60332-3-22
IEC 60332-3-23
IEC 60332-3-24

Design and Test Guidelines
Design and Test Guidelines
Conductor
Flame Retardant
Flame Retardant Cat. A
Flame Retardant Cat. B
Flame Retardant Cat. C

Special Feature on Request

Flame Retardant Cat. A, B, C
Flame Retardant Non Category
Anti-termite
Anti-rodent

Oil Resistance
UV Resistance
Low Smoke Zero Halogen



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



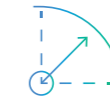
Standard



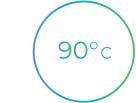
Excellent



0°C



14 D



Normal
Operation
Temperature



Short
Circuit
Temperature

Dimension and Electrical Data

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Screen Diameter	Outer Sheath Diameter	Cable Weight	Packaging	Max. DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
2x16	5.1	7.0	16	16	20	504	1000	1.9100	92	102	1.5
2x25	6.0	8.0	19	19	23	694	1000	1.2000	120	130	2.4
2x35	7.0	9.0	21	21	25	832	1000	0.8680	148	158	3.3
2x50	8.1	10.0	24	24	28	1053	1000	0.6410	180	187	4.7
2x70	9.7	12.0	28	28	32	1369	1000	0.4430	228	230	6.6
2x95	11.3	14.0	31	31	35	1716	1000	0.3200	279	275	9.0
2x120	13.0	16.0	35	35	39	2126	1000	0.2530	324	313	11.3
2x150	14.0	17.0	38	38	43	2552	1000	0.2060	367	349	14.2
2x185	15.7	19.0	42	42	47	3093	1000	0.1640	427	397	17.5
2x240	18.0	22.0	47	48	53	3889	500	0.1250	504	460	22.7
2x300	20.2	24.0	52	52	58	4751	500	0.1000	577	518	28.3
3x16	5.1	7.0	17	17	21	556	1000	1.9100	78	86	1.5
3x25	6.0	8.0	20	21	24	768	1000	1.2000	102	109	2.4
3x35	7.0	9.0	23	23	27	956	1000	0.8680	126	132	3.3
3x50	8.1	10.0	26	26	30	1180	1000	0.6410	156	161	4.7
3x70	9.7	12.0	30	30	34	1541	1000	0.4430	197	196	6.6
3x95	11.3	14.0	33	33	38	1965	1000	0.3200	242	235	9.0
3x120	13.0	16.0	38	38	43	2503	500	0.2530	281	268	11.3
3x150	14.0	17.0	41	41	46	2923	500	0.2060	321	299	14.2
3x185	15.7	19.0	45	45	50	3540	500	0.1640	373	340	17.5
3x240	18.0	22.0	51	51	57	4492	250	0.1250	442	394	22.7
3x300	20.2	24.0	56	56	62	5476	250	0.1000	509	444	28.3

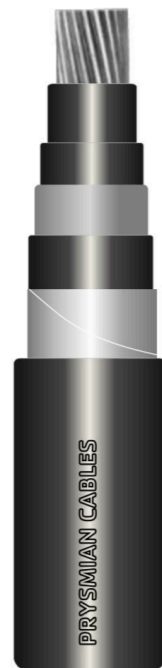
Dimension and Electrical Data (cont.)

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Screen Diameter	Outer Sheath Diameter	Cable Weight	Packaging	Max. DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
4x16	5.1	7.0	19	20	23	684	1000	1.9100	86	92	1.5
4x25	6.0	8.0	23	23	27	926	1000	1.2000	113	119	2.4
4x35	7.0	9.0	25	26	29	1122	1000	0.8680	140	142	3.3
4x50	8.1	10.0	28	29	33	1409	1000	0.6410	165	165	4.7
4x70	9.7	12.0	33	33	37	1846	1000	0.4430	208	201	6.6
4x95	11.3	14.0	37	37	42	2431	1000	0.3200	255	240	9.0
4x120	13.0	16.0	42	42	47	3008	1000	0.2530	297	274	11.3
4x150	14.0	17.0	45	45	51	3546	500	0.2060	345	309	14.2
4x185	15.7	19.0	50	50	56	4294	500	0.1640	396	348	17.5
4x240	18.0	22.0	56	57	62	5426	500	0.1250	469	404	22.7
4x300	20.2	24.0	62	62	69	6666	500	0.1000	540	457	28.3
5x16	5.1	7.0	21	21	25	793	1000	1.9100	89	94	1.5
5x25	6.0	8.0	25	25	29	1077	1000	1.2000	118	121	2.4
5x35	7.0	9.0	28	28	32	1327	1000	0.8680	146	145	3.3
5x50	8.1	10.0	31	32	36	1642	1000	0.6410	177	171	4.7
5x70	9.7	12.0	37	37	42	2238	500	0.4430	208	203	6.6
5x95	11.3	14.0	41	41	46	2833	500	0.3200	257	245	9.0
5x120	13.0	16.0	46	46	51	3507	500	0.2530	299	279	11.3
5x150	14.0	17.0	50	50	56	4134	500	0.2060	339	312	14.2
5x185	15.7	19.0	56	56	62	5034	250	0.1640	393	354	17.5

Aluminium Cables - Lead Sheath XLPE Insulation

0.6/1 KV

AL/XLPE/LS/PVC/DATA/PVC – NA2XKB(AL)Y



CONSTRUCTION

Conductor	: Stranded Aluminium Wire according to IEC 60228 · Class 2 for Circular Stranded Un-compacted · Class 2 for Circular Stranded Compacted
Insulation	: XLPE Compound
Inner Covering	: PVC Compound
Metallic Sheath	: Lead Alloy
Separation Sheath	: PVC Compound
Metallic Armour	: Aluminium Tape
Sheath	: PVC Compound ST2

CORES IDENTIFICATION

1-Core Natural or Black

Others colour available upon request

APPLICABLE STANDARDS

- | | |
|-----------------|----------------------------|
| SNI IEC 60502-1 | Design and Test Guidelines |
| IEC 60502-1 | 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 |

Special Feature on Request

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



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

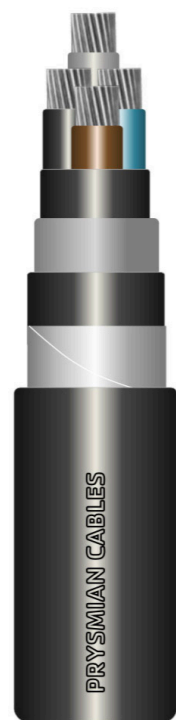
Dimension and Electrical Data

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Sheath Diameter	Separation Sheath Diameter	Metallic Armour Diameter	Outer Sheath Diameter	Cable Weight	Packaging	Max. DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
1x25	6.0	8.0	13	16	19	19	23	1370	1000	1.200	128	120	2.4
1x35	7.0	9.0	13	16	19	19	23	1377	1000	0.868	155	144	3.3
1x50	8.1	10.3	13	17	19	0	22	1405	1000	0.6410	187	172	4.7
1x70	9.7	12.1	15	19	21	22	25	1668	1000	0.4430	235	210	6.6
1x95	11.3	13.7	17	20	23	24	27	1883	1000	0.3200	285	250	9.0
1x120	13.0	15.6	18	22	25	25	29	2125	1000	0.2530	329	285	11.3
1x150	14.0	17.0	20	23	26	27	30	2321	1000	0.2060	377	319	14.2
1x185	15.7	19.1	22	26	28	29	32	2622	1000	0.1640	435	361	17.5
1x240	18.0	21.6	25	28	31	31	35	3028	1000	0.1250	516	416	22.7
1x300	20.2	24.0	27	31	33	34	37	3429	1000	0.1000	589	467	28.3
1x400	22.7	26.9	30	33	37	39	43	4154	1000	0.0778	695	531	37.8
1x500	26.6	31.2	34	38	41	43	48	4905	1000	0.0605	793	597	47.2
1x630	30.2	35.5	38	42	45	47	52	5789	500	0.0469	908	667	59.5

Aluminium Cables - Lead Sheath XLPE Insulation

0.6/1 KV

AL/XLPE/LS/PVC/DSTA/PVC- NA2XKBY



CONSTRUCTION

Conductor	: Stranded Aluminium Wire according to IEC 60228 · Class 2 for Circular Stranded Un-compacted · Class 2 for Circular Stranded Compacted
Insulation	: XLPE Compound
Inner Covering	: PVC Compound
Metallic Sheath	: Lead Alloy
Separation Sheath	: PVC Compound
Metallic Armour	: Double Galvanized Steel Tapes
Sheath	: PVC Compound ST2

CORE IDENTIFICATION

2-cores	Brown, Blue,
3-cores	Brown, Black, Grey
4-cores	Brown, Black, Grey, Blue
5-cores	Brown, Black, Grey, [Green/Yellow]

Others colour available upon request

APPLICABLE STANDARDS

SNI IEC 60502-1	Design and Test Guidelines
IEC 60502-1	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

Special Feature on Request

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

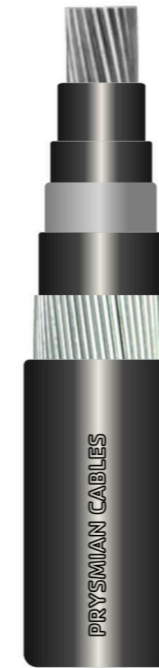
IEC 60332-1 IEC 60332-3-22 IEC 60332-3-23 IEC 60332-3-24	Standard	Excellent	0°C	14 D	Normal Operation Temperature	Short Circuit Temperature

Dimension and Electrical Data

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Sheath Diameter	Separation Sheath Diameter	Metallic Armour Diameter	Outer Sheath Diameter	Cable Weight	Max. DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	mm	mm	kg/km	Ω/km	A	A	kA
2x16	5.1	6.7	16	20	22	23	26	1875	1.910	95	101	1.5
2x25	6.0	8.0	19	23	25	26	29	2303	1.200	124	129	2.4
2x35	7.0	9.0	21	25	27	28	31	2589	0.868	152	157	3.3
2x50	8.1	10.3	24	28	30	31	34	3039	0.641	183	185	4.7
2x70	9.7	12.1	28	31	34	35	38	3642	0.443	232	228	6.6
2x95	11.3	13.7	31	35	38	40	44	4694	0.320	285	273	9.0
2x120	13.0	15.6	35	38	41	44	48	5430	0.253	330	311	11.3
2x150	14.0	17.0	38	42	45	47	52	6177	0.206	371	345	14.2
2x185	15.7	19.1	42	46	49	51	56	7083	0.164	429	392	17.5
2x240	18.0	21.6	47	51	54	57	62	8516	0.125	504	452	22.7
2x300	20.2	24.0	52	56	59	62	67	10023	0.100	574	508	28.3
3x16	5.1	6.7	17	21	23	24	27	2003	1.910	81	85	1.5
3x25	6.0	8.0	20	24	27	27	31	2469	1.200	105	109	2.4
3x35	7.0	9.0	23	27	29	30	33	2861	0.868	129	131	3.3
3x50	8.1	10.3	26	29	32	33	36	3302	0.641	160	159	4.7
3x70	9.7	12.1	30	33	36	38	42	4352	0.443	203	195	6.6
3x95	11.3	13.7	33	37	40	42	46	5129	0.320	247	233	9.0
3x120	13.0	15.6	38	41	44	47	51	6071	0.253	287	266	11.3
3x150	14.0	17.0	41	44	47	50	55	6779	0.206	326	297	14.2
3x185	15.7	19.1	45	49	52	54	59	7790	0.164	376	336	17.5
3x240	18.0	21.6	51	55	58	60	66	9630	0.125	443	388	22.7
3x300	20.2	24.0	56	60	63	66	72	11320	0.100	507	437	28.3

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Sheath Diameter	Separation Sheath Diameter	Metallic Armour Diameter	Outer Sheath Diameter	Cable Weight	Max. DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	mm	mm	kg/km	Ω/km	A	A	kA
4x16	5.1	6.7	19	23	25	26	29	2309	1.910	89	92	1.5
4x25	6.0	8.0	23	27	29	30	33	2815	1.200	117	118	2.4
4x35	7.0	9.0	25	29	31	32	36	3224	0.868	143	141	3.3
4x50	8.1	10.3	28	32	34	37	41	4105	0.641	168	163	4.7
4x70	9.7	12.1	33	36	39	42	46	5007	0.443	212	199	6.6
4x95	11.3	13.7	37	41	44	46	51	5969	0.320	260	239	9.0
4x120	13.0	15.6	42	45	48	51	56	6970	0.253	301	272	11.3
4x150	14.0	17.0	45	49	52	54	59	7783	0.206	347	306	14.2
4x185	15.7	19.1	50	54	57	60	65	9403	0.164	397	344	17.5
4x240	18.0	21.6	56	61	64	66	72	11601	0.125	467	398	22.7
4x300	20.2	24.0	62	67	70	73	79	13727	0.100	534	447	28.3
5x16	5.1	6.7	21	25	27	28	31	2574	1.910	92	93	1.5
5x25	6.0	8.0	25	29	31	32	36	3171	1.200	121	120	2.4
5x35	7.0	9.0	27.5	31.5	34.0	35	38	3620	0.868	148	143	3.3
5x50	8.1	10.3	31	34.5	38.0	41	45	4705	0.641	181	169	4.7
5x70	9.7	12.1	37	40	43	46	50	5801	0.443	215	202	6.6
5x95	11.3	13.7	41	45	48	50	55	6826	0.320	253	236	9.0
5x120	13.0	15.6	46	50	53	55	60	7973	0.253	294	270	11.3
5x150	14.0	17.0	50	54	57	60	65	9355	0.206	332	302	14.2
5x185	15.7	19.1	56	60	63	65	71	11058	0.164	398	351	17.5

Aluminium Cables - Lead Sheath XLPE Insulation 0.6/1 KV AL/XLPE/LS/PVC/AWA/PVC – NA2XKR(AL)Y



CONSTRUCTION

Conductor	: Stranded Aluminium Wire according to IEC 60228 · Class 2 for Circular Stranded Un-compacted · Class 2 for Circular Stranded Compacted
Insulation	: XLPE Compound
Inner Covering	: PVC Compound
Metallic Sheath	: Lead Alloy
Separation Sheath	: PVC Compound
Metallic Armour	: Aluminium Wires
Sheath	: PVC Compound ST2

CORES IDENTIFICATION

1-Core Natural or Black

Others colour available upon request

APPLICABLE STANDARDS

SNI IEC 60502-1
IEC 60502-1
IEC 60228
IEC 60332-1
IEC 60332-3-22
IEC 60332-3-23
IEC 60332-3-24

Design and Test Guidelines
Design and Test Guidelines
Conductor
Flame Retardant
Flame Retardant Cat. A
Flame Retardant Cat. B
Flame Retardant Cat. C

Special Feature on Request

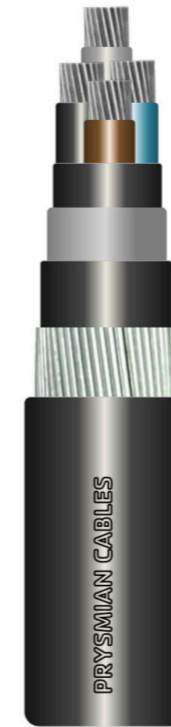
Flame Retardant Cat. A, B, C
Flame Retardant Non Category
Anti-termite
Anti-rodent

Oil Resistance
UV Resistance
Low Smoke Zero Halogen

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

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Sheath Diameter	Separation Sheath Diameter	Metallic Armour Diameter	Outer Sheath Diameter	Cable Weight	Packaging	Max. DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	mm	mm	kg/km	m	Ω/km	A	A	kA
1x25	6.0	8.0	13	16	19	22	26	1540	1000	1.2000	130	121	2.4
1x35	7.0	9.0	13	16	19	22	26	1548	1000	0.8680	157	145	3.3
1x50	8.1	10.3	13	17	19	22	26	1635	1000	0.6410	190	173	4.7
1x70	9.7	12.1	15	19	21	24	28	1868	1000	0.4430	239	211	6.6
1x95	11.3	13.7	17	20	23	26	30	2090	1000	0.3200	290	251	9.0
1x120	13.0	15.6	18	22	25	28	32	2351	1000	0.2530	334	285	11.3
1x150	14.0	17.0	20	23	26	29	33	2571	1000	0.2060	382	318	14.2
1x185	15.7	19.1	22	26	28	31	35	2892	1000	0.1640	438	359	17.5
1x240	18.0	21.6	25	28	31	35	39	3411	1000	0.1250	518	411	22.7
1x300	20.2	24.0	27	31	33	37	42	3854	1000	0.1000	588	459	28.3
1x400	22.7	26.9	30	33	37	41	45	4457	1000	0.0778	687	518	37.8
1x500	26.6	31.2	34	38	41	46	51	5377	1000	0.0605	773	569	47.2
1x630	30.2	35.2	0	40	43	48	53	5931	250	0.0469	874	628	59.5

Aluminium Cables - Lead Sheath XLPE Insulation 0.6/1 KV AL/XLPE/LS/PVC/SWA/PVC – NA2XKRY



CONSTRUCTION

Conductor	: Stranded Aluminium Wire according to IEC 60228 · Class 2 for Circular Stranded Un-compacted · Class 2 for Circular Stranded Compacted
Insulation	: XLPE Compound
Inner Covering	: PVC Compound
Metallic Sheath	: Lead Alloy
Separation Sheath	: PVC Compound
Metallic Armour	: Galvanized Steel Wires
Sheath	: PVC Compound ST2

CORE IDENTIFICATION

2-cores	Brown, Blue,
3-cores	Brown, Black, Grey
4-cores	Brown, Black, Grey, Blue
5-cores	Brown, Black, Grey, [Green/Yellow]

Others colour available upon request

APPLICABLE STANDARDS

SNI IEC 60502-1
IEC 60502-1
IEC 60228
IEC 60332-1
IEC 60332-3-22
IEC 60332-3-23
IEC 60332-3-24

Design and Test Guidelines
Design and Test Guidelines
Conductor
Flame Retardant
Flame Retardant Cat. A
Flame Retardant Cat. B
Flame Retardant Cat. C

Special Feature on Request

Flame Retardant Cat. A, B, C
Flame Retardant Non Category
Anti-termite
Anti-rodent

Oil Resistance
UV Resistance
Low Smoke Zero Halogen



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

Dimension and Electrical Data

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Sheath Diameter	Separation Sheath Diameter	Metallic Armour Diameter	Outer Sheath Diameter	Cable Weight	Max. DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	mm	mm	kg/km	Ω/km	A	A	kA
2x16	5.1	6.7	16	20	22	25	29	2374	1.9100	98	103	1.5
2x25	6.0	8.0	19	23	25	28	32	2879	1.2000	127	131	2.4
2x35	7.0	9.0	21	25	27	30	34	3217	0.8680	156	158	3.3
2x50	8.1	10.3	24	28	30	34	38	3960	0.6410	188	187	4.7
2x70	9.7	12.1	28	31	34	38	42	4672	0.4430	238	230	6.6
2x95	11.3	13.7	31	35	38	42	46	5431	0.3200	289	275	9.0
2x120	13.0	15.6	35	38	41	46	51	6622	0.2530	337	314	11.3
2x150	14.0	17.0	38	42	45	50	55	7476	0.2060	379	348	14.2
2x185	15.7	19.1	42	46	49	54	60	8477	0.1640	437	396	17.5
2x240	18.0	21.6	47	51	54	59	65	10067	0.1250	514	458	22.7
2x300	20.2	24.0	52	56	59	64	71	11696	0.1000	585	514	28.3
3x16	5.1	6.7	17	21	23	26	30	2528	1.9100	83	86	1.5
3x25	6.0	8.0	20	24	27	30	34	3085	1.2000	108	110	2.4
3x35	7.0	9.0	23	27	29	32	36	3511	0.8680	133	132	3.3
3x50	8.1	10.3	26	29	32	36	40	4265	0.6410	165	161	4.7
3x70	9.7	12.1	30	33	36	40	44	5024	0.4430	206	196	6.6
3x95	11.3	13.7	33	37	40	45	50	6267	0.3200	252	235	9.0
3x120	13.0	15.6	38	41	44	49	55	7335	0.2530	294	269	11.3
3x150	14.0	17.0	41	44	47	52	58	8118	0.2060	333	299	14.2
3x185	15.7	19.1	45	49	52	57	63	9257	0.1640	384	339	17.5
3x240	18.0	21.6	51	55	58	63	69	11246	0.1250	452	392	22.7
3x300	20.2	24.0	56	60	63	68	75	13090	0.1000	517	442	28.3

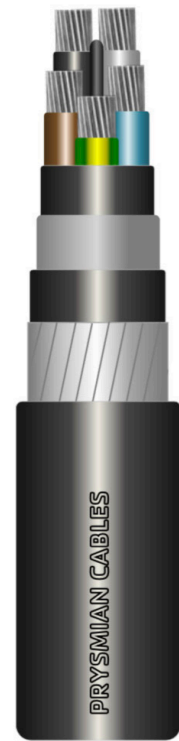
Dimension and Electrical Data (cont.)

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Sheath Diameter	Separation Sheath Diameter	Metallic Armour Diameter	Outer Sheath Diameter	Cable Weight	Max. DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	mm	mm	kg/km	Ω/km	A	A	kA
4x16	5.1	6.7	19	23	25	29	32	2884	1.9100	92	93	1.5
4x25	6.0	8.0	23	27	29	32	36	3482	1.2000	121	119	2.4
4x35	7.0	9.0	25	29	31	35	40	4190	0.8680	149	143	3.3
4x50	8.1	10.3	28	32	34	38	43	4791	0.6410	174	165	4.7
4x70	9.7	12.1	33	36	39	43	48	5746	0.4430	216	201	6.6
4x95	11.3	13.7	37	41	44	49	54	7242	0.3200	267	241	9.0
4x120	13.0	15.6	42	45	48	53	59	8333	0.2530	308	274	11.3
4x150	14.0	17.0	45	49	52	57	63	9252	0.2060	355	309	14.2
4x185	15.7	19.1	50	54	57	62	68	10153	0.1640	405	347	17.5
4x240	18.0	21.6	0	0	0	0	0	10153	0.1250	477	402	22.7
4x300	20.2	24.0	0	0	0	0	0	10153	0.1000	547	453	28.3
5x16	5.1	6.7	21	25	27	31	35	3435	1.9100	95	94	1.5
5x25	6.0	8.0	25	29	31	35	40	4491	1.2000	124	121	2.4
5x35	7.0	9.0	28	32	34	38	42	5104	0.8680	153	145	3.3
5x50	8.1	10.3	31	35	38	42	47	6025	0.6410	185	171	4.7
5x70	9.7	12.1	37	40	43	48	54	7850	0.4430	209	197	6.6
5x95	11.3	13.7	41	45	48	53	58	9231	0.3200	257	238	9.0
5x120	13.0	15.6	46	49	52	57	63	14228	0.2530	298	271	11.3
5x150	14.0	17.0	50	54	57	62	68	12521	0.2060	336	303	14.2
5x185	15.7	19.1	56	60	63	68	75	14817	0.1640	387	343	17.5

Aluminium Cables - Lead Sheath XLPE Insulation

0.6/1 KV

AL/XLPE/LS/PVC/SFA/PVC – NA2XKFY



CONSTRUCTION

Conductor	: Stranded Aluminium Wire according to IEC 60228 · Class 2 for Circular Stranded Un-compacted · Class 2 for Circular Stranded Compacted
Insulation	: XLPE Compound
Inner Covering	: PVC Compound
Metallic Sheath	: Lead Sheath
Separation Sheath	: PVC Compound
Metallic Armour	: Galvanized Steel Flat
Sheath	: PVC ST2 Compound

CORE IDENTIFICATION

2-cores	Brown, Blue,
3-cores	Brown, Black, Grey
4-cores	Brown, Black, Grey, Blue
5-cores	Brown, Black, Grey, [Green/Yellow]

Others colour available upon request

APPLICABLE STANDARDS

SNI IEC 60502-1	Design and Test Guidelines
IEC 60502-1	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

Special Feature on Request

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

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

Dimension and Electrical Data

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Sheath Diameter	Separation Sheath Diameter	Metallic Armour Diameter	Outer Sheath Diameter	Cable Weight	Max. DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	mm	mm	kg/km	Ω/km	A	A	kA
2x25	6.1	8.1	19	23	26	28	32	2709	1.200	130	134	2.4
2x35	7.1	9.1	21	25	28	30	34	3055	0.868	158	161	3.3
2x50	8.2	10.4	24	28	31	32	36	3465	0.641	189	190	4.7
2x70	9.8	12.2	28	31	34	36	40	4114	0.443	237	234	6.6
2x95	11.4	13.9	31	35	38	39	44	4743	0.320	288	280	9.0
2x120	13.1	15.8	35	39	42	44	49	5626	0.253	336	320	11.3
2x150	14.1	17.2	38	42	45	46	52	6240	0.206	377	356	14.2
2x185	15.9	19.3	42	46	49	51	56	7158	0.164	433	403	17.5
2x240	18.2	21.9	47	52	55	56	62	8794	0.125	513	470	22.7
2x300	20.5	24.3	52	57	60	61	67	10317	0.100	590	532	28.3
3x16	5.2	6.8	17	21	24	26	30	2421	1.910	85	89	1.5
2x25	6.1	8.1	21	24	27	29	33	2899	1.200	112	114	2.4
2x35	7.1	9.1	23	27	30	31	35	3277	0.868	136	137	3.3
2x50	8.2	10.4	26	29	32	34	38	3732	0.641	162	161	4.7
2x70	9.8	12.2	29	33	36	38	42	4466	0.443	203	197	6.6
2x95	11.4	13.9	33	37	40	41	46	5200	0.320	246	235	9.0
2x120	13.1	15.8	38	41	44	46	51	6170	0.253	287	268	11.3
2x150	14.1	17.2	41	44	47	49	55	6861	0.206	322	298	14.2
2x185	15.9	19.3	45	49	52	54	60	8082	0.164	369	336	17.5
2x240	18.2	21.9	51	55	58	60	66	9927	0.125	434	387	22.7
2x300	20.5	24.3	56	61	64	65	72	11690	0.100	494	434	28.3

Dimension and Electrical Data (cont.)

Cross Section	Conductor Diameter	Insulation Diameter	Inner Covering Diameter	Metallic Sheath Diameter	Separation Sheath Diameter	Metallic Armour Diameter	Outer Sheath Diameter	Cable Weight	Max. DC Resistant at 20°C	Current Rating in Air at 30°C	Current Rating in Ground at 30°C	Short Circuit Current for 1s
mm ²	mm	mm	mm	mm	mm	mm	mm	kg/km	Ω/km	A	A	kA
4x16	5.2	6.8	19	23	26	27	31	2664	1.910	87	90	1.5
4x25	6.1	8.1	23	26	29	31	35	3244	1.200	114	115	2.4
4x35	7.1	9.1	25	29	32	34	38	3652	0.868	139	138	3.3
4x50	8.2	10.4	28	32	35	37	41	4206	0.641	166	163	4.7
4x70	9.8	12.2	33	36	39	41	46	5051	0.443	209	200	6.6
4x95	11.4	13.9	37	41	44	46	51	6042	0.320	254	238	9.0
4x120	13.1	15.8	42	45	48	so	56	7050	0.253	295	271	11.3
4x150	14.1	17.2	45	49	52	54	60	8064	0.206	331	301	14.2
4x185	15.9	19.3	so	55	58	59	65	9720	0.164	379	340	17.5
4x240	18.2	21.9	56	61	64	66	73	12129	0.125	447	392	22.7
4x300	20.5	24.3	62	67	71	72	79	14326	0.100	508	438	28.3
5x16	5.2	6.8	21	25	28	29	33	2938	1.910	89	91	1.5
5x25	6.1	8.1	25	29	32	33	38	3607	1.200	117	117	2.4
5x35	7.1	9.1	28	32	35	36	41	4103	0.868	143	140	3.3
5x50	8.2	10.4	31	35	38	40	44	4744	0.641	171	165	4.7
5x70	9.8	12.2	37	40	43	45	so	5854	0.443	215	202	6.6
5x95	11.4	13.9	41	45	48	49	55	6886	0.320	261	241	9.0
5x120	13.1	15.8	46	so	53	55	61	8263	0.253	303	275	11.3
5x150	14.1	17.2	so	54	57	59	65	9672	0.206	340	305	14.2
5x185	15.9	19.3	56	60	63	65	72	11404	0.164	389	343	17.5

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