NA2XSY & AL/XLPE/SCT/ CWS/PET/PVC & YAXC7V-R

Standard: TS IEC 60502-2 / IEC 60502 – 2 / TS HD 620 S2 / HD 620 S2

Aluminum Conductor / XLPE insulated / Copper Screen / PVC Sheath
Medium Voltage Energy Cable
Rated Voltage: Uo/U; 6 / 10 kV





Technical Data		Cable Structure
Core temperature, max.	90 °C in Operation	1-Circular compacted Aluminium (Class 2 IEC 60228)
		2-Extruded, semi-conductive conductor screen(Inner semi-conductive Layer)
Max. Short Circuit Temperature	250 °C / 5 sec.	3-XLPE Insulation
		4-Exruded, semi-conductive insulation screen(Outer semi-conductive layer) (Bonded)
Bending Radius, min.	15 x D cable	5-Semi conductive Tape
		6-Screen, Copper Wire & Tape
Max. Permessble Tensile	30 N/mm^2	7-PE Tape
		8-PVC Outer Sheath (ST 2 IEC 60502-2)

Application

These cables, which have very low dielectric losses, are used in power centers, switchgear and industrial facilities, in local energy distribution, as power cables in places where there is no risk of mechanical damage (outside, inside), underground or in cable ducts.

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Capacitance	Rated current carrying capacity (A)(Flat)	
No x mm^2	mm	kg/km	m	ohm/km	µF/km	Under Ground 20 °C	In Air 30 °C
1x25/16	22,0	530	1000	1,20	0,19	-	-
1x35/16	23,0	575	1000	0,868	0,21	155	170
1x50/16	24,0	635	1000	0,641	0,23	194	215
1x70/16	26,0	725	1000	0,443	0,26	236	269
1x95/16	28,0	830	1000	0,320	0,30	281	327
1x120/16	29,0	930	1000	0,253	0,32	318	377
1x150/25	30,0	1125	1000	0,206	0,35	350	424
1x185/25	32,0	1265	1000	0,164	0,38	393	485
1x240/25	34,0	1485	1000	0,125	0,43	453	573
1x300/25	37,0	1710	1000	0,100	0,47	507	652
1x400/35	40,0	2120	1000	0,0778	0,52	559	741

NA2XSY & AL/XLPE/SCT/ CWS/PET/PVC & YAXC7V-R

Standard: TS IEC 60502-2 / IEC 60502 – 2 / TS HD 620 S2 / HD 620 S2

Aluminum Conductor / XLPE insulated / Copper Screen / PVC Sheath
Medium Voltage Energy Cable
Rated Voltage: Uo/U; 12 / 20 kV





Technical Data		Cable Structure
Core temperature, max.	90 °C in Operation	1-Circular compacted Aluminium (Class 2 IEC 60228)
		2-Extruded, semi-conductive conductor screen(Inner semi-conductive Layer)
Max. Short Circuit Temperature	250°C / 5 sec.	3-XLPE Insulation
		4-Exruded, semi-conductive insulation screen(Outer semi-conductive layer) (Bonded)
Bending Radius, min.	15 x D cable	5-Semi conductive Tape
		6-Screen, Copper Wire & Tape
Max. Permessble Tensile	30 N/mm^2	7-PE Tape
		8-PVC Outer Sheath (ST 2 IEC 60502-2)

Application

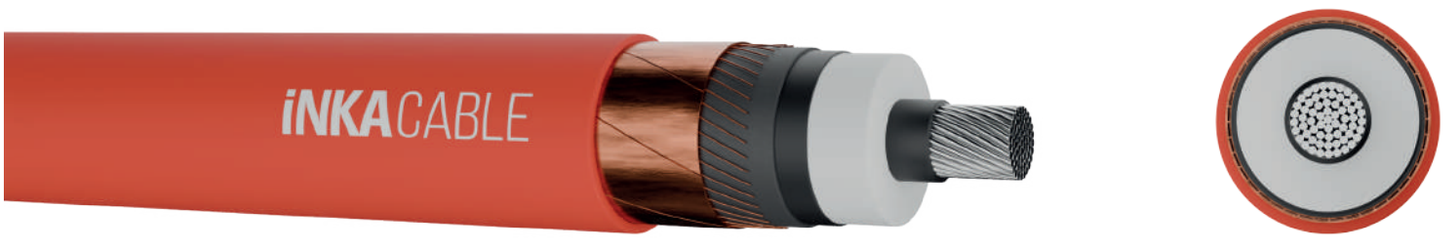
These cables, which have very low dielectric losses, are used in power centers, switchgear and industrial facilities, in local energy distribution, as power cables in places where there is no risk of mechanical damage (outside, inside), underground or in cable ducts.

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Capacitance	Rated current carrying capacity (A)(Flat)	
No x mm^2	mm	kg/km	m	ohm/km	µF/km	Under Ground 20 °C	In Air 30 °C
1x25/16	26,0	673	1000	1,20	0,14	-	-
1x35/16	27,0	720	1000	0,868	0,15	158	172
1x50/16	28,0	790	1000	0,641	0,16	195	217
1x70/16	29,0	895	1000	0,443	0,18	237	270
1x95/16	31,0	1025	1000	0,320	0,20	282	328
1x120/16	33,0	1140	1000	0,253	0,22	320	378
1x150/25	34,0	1340	1000	0,206	0,24	353	425
1x185/25	36,0	1495	1000	0,164	0,26	396	485
1x240/25	39,0	1735	1000	0,125	0,29	457	573
1x300/25	41,0	1970	1000	0,100	0,31	511	652
1x400/35	44,0	2410	1000	0,0778	0,35	566	740

NA2XSY & AL/XLPE/SCT/ CWS/PET/PVC & YAXC7V-R

Standard: TSE K 204 / TS IEC 60502-2 / IEC 60502 – 2 / TS HD 620 S2 / HD 620 S2

Aluminum Conductor / XLPE insulated / Copper Screen / PVC Sheath
Medium Voltage Energy Cable
Rated Voltage: Uo/U; 18 / 30 kV



Technical Data		Cable Structure
Core temperature, max.	90 °C in Operation	1-Circular compacted Aluminium (Class 2 IEC 60228)
		2-Extruded, semi-conductive conductor screen(Inner semi-conductive Layer)
Max. Short Circuit Temperature	250 °C / 5 sec.	3-XLPE Insulation
		4-Exruded, semi-conductive insulation screen(Outer semi-conductive layer) (Bonded)
Bending Radius, min.	15 x D cable	5-Semi conductive Tape
		6-Screen, Copper Wire & Tape
Max. Permessble Tensile	30 N/mm^2	7-PE Tape
		8-PVC Outer Sheath (ST 2 IEC 60502-2)

Application

These cables, which have very low dielectric losses, are used in power centers, switchgear and industrial facilities, in local energy distribution, as power cables in places where there is no risk of mechanical damage (outside, inside), underground or in cable ducts.

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Capacitance	Rated current carrying capacity (A)(Flat)	
No x mm^2	mm	kg/km	m	ohm/km	µF/km	Under Ground 20 °C	In Air 30 °C
1x25/16	31,0	910	1000	1,20	0,11	-	-
1x35/16	32,0	975	1000	0,868	0,12	-	-
1x50/16	33,0	1055	1000	0,641	0,13	196	217
1x70/16	35,0	1180	1000	0,443	0,14	238	270
1x95/16	37,0	1325	1000	0,320	0,16	284	328
1x120/16	38,0	1450	1000	0,253	0,17	322	378
1x150/25	40,0	1665	1000	0,206	0,18	355	425
1x185/25	42,0	1840	1000	0,164	0,19	400	485
1x240/25	44,0	2100	1000	0,125	0,21	461	572
1x300/25	46,0	2355	1000	0,100	0,23	516	649
1x400/35	50,0	2820	1000	0,0778	0,26	572	737

NA2XSY & AL/XLPE/SCT/ CWS/PET/PVC & YAXC7V-R

Standard: TSE K 204 \ TS IEC 60502-2 / IEC 60502 – 2 / TS HD 620 S2 / HD 620 S2

Aluminum Conductor / XLPE insulated / Copper Screen / PVC Sheath
Medium Voltage Energy Cable
Rated Voltage: Uo/U; 20,3 / 35 kV





Technical Data		Cable Structure
Core temperature, max.	90 °C in Operation	1-Circular compacted Aluminium (Class 2 IEC 60228)
		2-Extruded, semi-conductive conductor screen(Inner semi-conductive Layer)
Max. Short Circuit Temperature	250 °C / 5 sec.	3-XLPE Insulation
		4-Exruded, semi-conductive insulation screen(Outer semi-conductive layer) (Bonded)
Bending Radius, min.	15 x D cable	5-Semi conductive Tape
		6-Screen, Copper Wire & Tape
Max. Permessble Tensile	30 N/mm^2	7-PE Tape
		8-PVC Outer Sheath (ST 2 IEC 60502-2)

Application

These cables, which have very low dielectric losses, are used in power centers, switchgear and industrial facilities, in local energy distribution, as power cables in places where there is no risk of mechanical damage (outside, inside), underground or in cable ducts.

DIMENSIONS AND WEIGHTS				ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Capacitance	Rated current carrying capacity (A)(Flat)	
No x mm^2	mm	kg/km	m	ohm/km	µF/km	Under Ground 20 °C	In Air 30 °C
1x25/16	33,0	1015	1000	1,20	0,10	-	-
1x35/16	34,0	1085	1000	0,868	0,11	-	-
1x50/16	35,0	1170	1000	0,641	0,12	196	217
1x70/16	37,0	1295	1000	0,443	0,13	238	270
1x95/16	39,0	1450	1000	0,320	0,14	284	328
1x120/16	40,0	1580	1000	0,253	0,16	322	378
1x150/25	42,0	1800	1000	0,206	0,17	355	425
1x185/25	44,0	1980	1000	0,164	0,18	400	485
1x240/25	46,0	2250	1000	0,125	0,20	461	572
1x300/25	48,0	2510	1000	0,100	0,21	516	649
1x400/35	52,0	2990	1000	0,0778	0,23	572	737