NA2XS2Y & AL/XLPE/SCT/ CWS/PET/PE & YAXC7E-R

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

Aluminum Conductor / XLPE insulated / Copper Screen / PE 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 Waterblocking Tape
		6-Screen, Copper Wire & Tape
Max. Permessble Tensile	30 N/mm^2	7-PE Tape
		8-PE Outer Sheath (ST 7 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	480	1000	1,20	0,19	-	-
1x35/16	23,0	520	1000	0,868	0,21	155	170
1x50/16	24,0	575	1000	0,641	0,23	194	215
1x70/16	26,0	665	1000	0,443	0,26	236	269
1x95/16	27,0	765	1000	0,320	0,30	281	327
1x120/16	29,0	860	1000	0,253	0,32	318	377
1x150/25	30,0	1045	1000	0,206	0,35	350	424
1x185/25	32,0	1185	1000	0,164	0,38	393	485
1x240/25	34,0	1395	1000	0,125	0,43	453	573
1x300/25	37,0	1605	1000	0,100	0,47	507	652
1x400/35	40,0	2005	1000	0,0778	0,52	559	741

NA2XS2Y & AL/XLPE/SCT/ CWS/PET/PE & YAXC7E-R

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

Aluminum Conductor / XLPE insulated / Copper Screen / PE 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 Waterblocking Tape
		6-Screen, Copper Wire & Tape
Max. Permessble Tensile	30 N/mm^2	7-PE Tape
		8-PE Outer Sheath (ST 7 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	610	1000	1,20	0,14	-	-
1x35/16	27,0	655	1000	0,868	0,15	158	172
1x50/16	28,0	720	1000	0,641	0,16	195	217
1x70/16	29,0	825	1000	0,443	0,18	237	270
1x95/16	31,0	945	1000	0,320	0,20	282	328
1x120/16	33,0	1050	1000	0,253	0,22	320	378
1x150/25	34,0	1245	1000	0,206	0,24	353	425
1x185/25	36,0	1395	1000	0,164	0,26	396	485
1x240/25	39,0	1620	1000	0,125	0,29	457	573
1x300/25	41,0	1845	1000	0,100	0,31	511	652
1x400/35	44,0	2265	1000	0,0778	0,35	566	740

NA2XS2Y & AL/XLPE/SCT/ CWS/PET/PE & YAXC7E-R

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

Aluminum Conductor / XLPE insulated / Copper Screen / PE 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 Waterblocking Tape
		6-Screen, Copper Wire & Tape
Max. Permessble Tensile	30 N/mm^2	7-PE Tape
		8-PE Outer Sheath (ST 7 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	830	1000	1,20	0,11	-	-
1x35/16	32,0	890	1000	0,868	0,12	-	-
1x50/16	33,0	965	1000	0,641	0,13	196	217
1x70/16	35,0	1080	1000	0,443	0,14	238	270
1x95/16	37,0	1220	1000	0,320	0,16	284	328
1x120/16	38,0	1340	1000	0,253	0,17	322	378
1x150/25	40,0	1545	1000	0,206	0,18	355	425
1x185/25	42,0	1710	1000	0,164	0,19	400	485
1x240/25	44,0	1960	1000	0,125	0,21	461	572
1x300/25	46,0	2205	1000	0,100	0,23	516	649
1x400/35	49,0	2650	1000	0,0778	0,26	572	737

NA2XS2Y & AL/XLPE/SCT/ CWS/PET/PE & YAXC7E-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 / PE 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 Waterblocking Tape
		6-Screen, Copper Wire & Tape
Max. Permessble Tensile	30 N/mm^2	7-PE Tape
		8-PE Outer Sheath (ST 7 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	930	1000	1,20	0,10	-	-
1x35/16	34,0	990	1000	0,868	0,11	-	-
1x50/16	35,0	1070	1000	0,641	0,12	196	217
1x70/16	37,0	1190	1000	0,443	0,13	238	270
1x95/16	39,0	1335	1000	0,320	0,14	284	328
1x120/16	40,0	1460	1000	0,253	0,16	322	378
1x150/25	42,0	1670	1000	0,206	0,17	355	425
1x185/25	44,0	1840	1000	0,164	0,18	400	485
1x240/25	46,0	2095	1000	0,125	0,20	461	572
1x300/25	48,0	2350	1000	0,100	0,21	516	649
1x400/35	57,0	2805	1000	0,0778	0,23	572	737