NA2XS(F)2YY & AL/XLPE/ SCWBT/CWS/WBT/PE/PVC

Standard: TS IEC 60502-2 / IEC 60502 – 2 / TS HD 620 S2 / HD 620 S2 / BS 7870

Aluminum Conductor / XLPE insulated / Copper Screen / Waterblocking Tape / PE Inner Sheath / 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 Waterblocking Tape
		6-Screen, Copper Wire & Tape
Max. Permessble Tensile	30 N/mm^2	7-Non-Conductive Swellable Tape
		8-PE Inner Sheath (ST 7 IEC 60502-2)
		9-PVC Outer Sheath (ST 2 IEC 60502-2)

Application

These cables, which have very low dielectric losses, are used in networks where sudden load changes occur, in residential and industrial areas with high short-circuit current values, in cable ducts, and underground. Thanks to the barriers that prevent water ingress due to mechanical impacts, the cable is suitable for use in water.

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	27,0	675	1000	1,20	0,19	-	-
1x35/16	28,0	715	1000	0,868	0,21	-	-
1x50/16	29,0	780	1000	0,641	0,23	194	215
1x70/16	30,0	890	1000	0,443	0,26	236	269
1x95/16	32,0	1015	1000	0,320	0,30	281	327
1x120/16	34,0	1110	1000	0,253	0,32	318	377
1x150/25	35,0	1310	1000	0,206	0,35	350	424
1x185/25	37,0	1470	1000	0,164	0,38	393	485
1x240/25	40,0	1710	1000	0,125	0,43	453	573
1x300/25	42,0	1950	1000	0,100	0,47	507	652
1x400/35	45,0	2395	1000	0,0778	0,52	559	741

NA2XS(F)2YY & AL/XLPE/ SCWBT/CWS/WBT/PE/PVC

Standard: TS IEC 60502-2 / IEC 60502 – 2 / TS HD 620 S2 / HD 620 S2 / BS 7870x

Aluminum Conductor / XLPE insulated / Copper Screen / Waterblocking Tape / PE Inner Sheath / 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 Waterblocking Tape
		6-Screen, Copper Wire & Tape
Max. Permessble Tensile	30 N/mm^2	7-Non-Conductive Swellable Tape
		8-PE Inner Sheath (ST 7 IEC 60502-2)
		9-PVC Outer Sheath (ST 2 IEC 60502-2)

Application

These cables, which have very low dielectric losses, are used in networks where sudden load changes occur, in residential and industrial areas with high short-circuit current values, in cable ducts, and in underground applications. Thanks to the barriers that prevent water ingress due to mechanical impacts, the cable is suitable for use in water.

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	840	1000	1,20	0,14	-	-
1x35/16	32,0	905	1000	0,868	0,15	-	-
1x50/16	33,0	980	1000	0,641	0,16	195	217
1x70/16	35,0	1095	1000	0,443	0,18	237	270
1x95/16	37,0	1235	1000	0,320	0,20	282	328
1x120/16	38,0	1350	1000	0,253	0,22	320	378
1x150/25	40,0	1565	1000	0,206	0,24	353	425
1x185/25	42,0	1740	1000	0,164	0,26	396	485
1x240/25	44,0	2000	1000	0,125	0,29	457	573
1x300/25	47,0	2255	1000	0,100	0,31	511	652
1x400/35	50,0	2725	1000	0,0778	0,35	566	740

NA2XS(F)2YY & AL/XLPE/ SCWBT/CWS/WBT/PE/PVC

Standard: TS IEC 60502-2 / IEC 60502 – 2 / TS HD 620 S2 / HD 620 S2 / BS 7870

Aluminum Conductor / XLPE insulated / Copper Screen / Waterblocking Tape / PE Inner Sheath / 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 Waterblocking Tape
		6-Screen, Copper Wire & Tape
Max. Permessble Tensile	30 N/mm^2	7-Non-Conductive Swellable Tape
		8-PE Outer Sheath (ST 7 IEC 60502-2)
		9-PVC Outer Sheath (ST 2 IEC 60502-2)

Application

These cables, which have very low dielectric losses, are used in networks where sudden load changes occur, in residential and industrial areas with high short-circuit current values, in cable ducts, and underground. Thanks to the barriers that prevent water ingress due to mechanical impacts, the cable is suitable for use in water.

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	36,0	1065	1000	1,20	0,11	-	-
1x35/16	37,0	1170	1000	0,868	0,12	-	-
1x50/16	38,0	1255	1000	0,641	0,13	196	217
1x70/16	40,0	1390	1000	0,443	0,14	238	270
1x95/16	42,0	1545	1000	0,320	0,16	284	328
1x120/16	44,0	1685	1000	0,253	0,17	322	378
1x150/25	45,0	1915	1000	0,206	0,18	355	425
1x185/25	47,0	2105	1000	0,164	0,19	400	485
1x240/25	50,0	2385	1000	0,125	0,21	461	572
1x300/25	52,0	2665	1000	0,100	0,23	516	649
1x400/35	55,0	3165	1000	0,0778	0,26	572	737

NA2XS(F)2YY & AL/XLPE/ SCWBT/CWS/WBT/PE/PVC

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

Aluminum Conductor / XLPE insulated / Copper Screen / Waterblocking Tape / PE Inner Sheath / 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 Waterblocking Tape
		6-Screen, Copper Wire & Tape
Max. Permessble Tensile	30 N/mm^2	7-Non-Conductive Swellable Tape
		8-PE Inner Sheath (ST 7 IEC 60502-2)
		9-PVC Outer Sheath (ST 2 IEC 60502-2)

Application

These cables, which have very low dielectric losses, are used in networks where sudden load changes occur, in residential and industrial areas with high short-circuit current values, in cable ducts, and in underground applications. Thanks to the barriers that prevent water ingress due to mechanical impacts, the cable is suitable for use in water.

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	38,0	1170	1000	1,20	0,10	-	-
1x35/16	39,0	1290	1000	0,868	0,11	-	-
1x50/16	41,0	1380	1000	0,641	0,12	196	217
1x70/16	42,0	1520	1000	0,443	0,13	238	270
1x95/16	44,0	1680	1000	0,320	0,14	284	328
1x120/16	46,0	1835	1000	0,253	0,16	322	378
1x150/25	48,0	2070	1000	0,206	0,17	355	425
1x185/25	49,0	2265	1000	0,164	0,18	400	485
1x240/25	52,0	2555	1000	0,125	0,20	461	572
1x300/25	54,0	2840	1000	0,100	0,21	516	649
1x400/35	58,0	3355	1000	0,0778	20,3	572	737