

6/10 kV XLPE INSULATED SINGLE CORE CABLES WITH ALUMINIUM CONDUCTOR

According to IEC 60502-2

Construction:

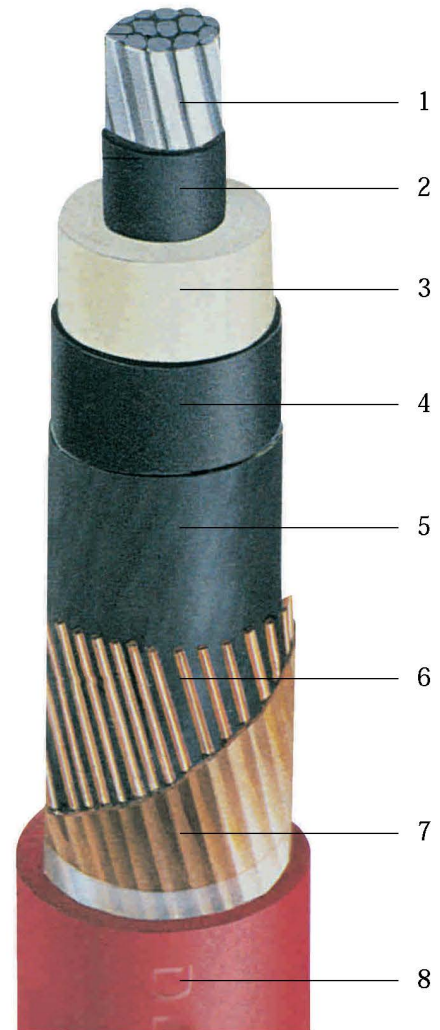
- 1-Aluminium conductor
- 2-Inner semi-conductive layer
- 3-XLPE insulation
- 4-Outer semi-conductive layer
- 5-Semi-conductive tape
- 6-Copper wire screen
- 7-Separation foil
- 8-PVC outer sheath

(VDE Code: NA2XSY)

Application:

Under heavy duty conditions, under ground, in cable ducts, in power and switching stations, urban networks, industrial plants.

Permissible operating temperature 90°C
Permissible short circuit temperature 250°C
(5 s max. duration)



DIMENSIONS AND WEIGHTS					ELECTRICAL DATA							
Nominal cross-section	Overall diameter approx.	Net weight approx.	Standard delivery length	Delivery reel size	Conductor dc resistance at 20°C (max.)	Operating inductance approx.		Operating capacitance approx.	Current carrying capacity* approx.			
									in ground		in air	
mm ²	mm	kg/km	m	cm	ohm/km	mH/km	mH/km	µF/km	A	A	A	A
1x 50/16	25.0	700	1000	141	0.641	0.73	0.41	0.24	194	171	215	181
1x 70/16	26.0	810	1000	141	0.443	0.69	0.38	0.27	236	209	269	226
1x 95/16	28.0	910	1000	161	0.320	0.66	0.36	0.30	281	249	327	275
1x120/16	29.0	1020	1000	161	0.253	0.64	0.35	0.33	318	283	377	317
1x150/25	31.0	1220	1000	161	0.206	0.62	0.34	0.36	350	316	424	359
1x185/25	33.0	1360	1000	161	0.164	0.61	0.33	0.39	393	358	485	412
1x240/25	35.0	1580	1000	181	0.125	0.58	0.32	0.44	453	416	573	489
1x300/25	38.0	1840	1000	201	0.100	0.56	0.31	0.48	507	469	652	559
1x400/35	41.0	2260	1000	221	0.0778	0.55	0.30	0.53	559	532	741	651
1x500/35	45.0	2650	1000	221	0.0605	0.53	0.29	0.59	622	599	838	744
1x630/35	50.0	3200	1000	261	0.0469	0.51	0.28	0.68	697	679	957	851

* Please refer to Explanatory Notes.