

8.7/15 kV XLPE INSULATED SINGLE CORE CABLES WITH ALUMINIUM CONDUCTOR

According to IEC 60502-2

Construction:

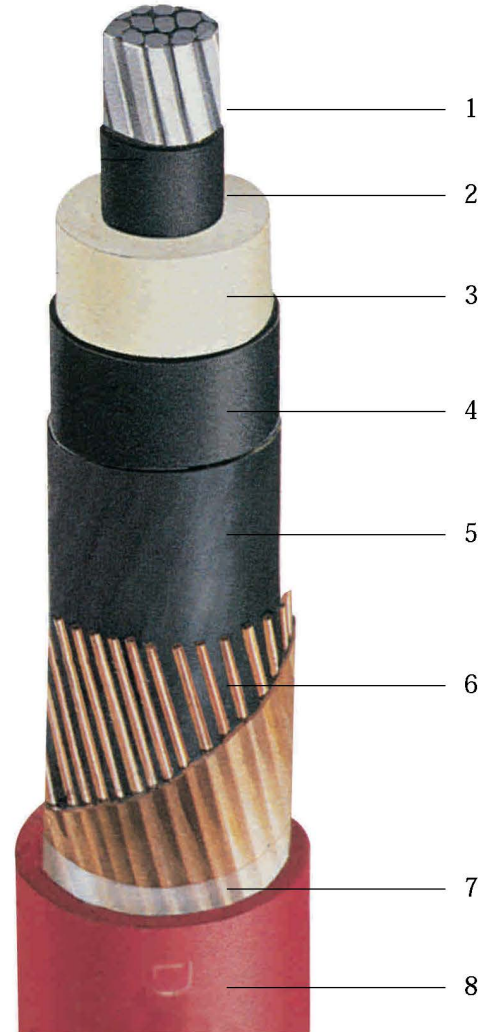
- 1-Aluminium conductor
- 2-Inner semi-conductive layer
- 3-XLPE insulation
- 4-Outer semi-conductive layer
- 5-Semi-conductive tape
- 6-Copper wire screen
- 7-Separation foil
- 8-PVC outer sheath

(VDE Code: A2XSY)

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			μF/km	A	A	A	A
1x 50/16	27.0	780	1000	161	0.641	0.73	0.43	0.19	194	171	215	181
1x 70/16	29.0	890	1000	161	0.443	0.70	0.40	0.22	236	209	269	226
1x 95/16	30.0	1000	1000	161	0.320	0.67	0.38	0.24	281	249	327	275
1x120/16	32.0	1130	1000	161	0.253	0.65	0.37	0.27	318	283	377	317
1x150/25	33.0	1320	1000	161	0.206	0.63	0.35	0.29	350	316	424	359
1x185/25	35.0	1480	1000	181	0.164	0.61	0.34	0.31	393	358	485	412
1x240/25	38.0	1710	1000	201	0.125	0.59	0.33	0.34	453	416	573	489
1x300/25	40.0	1950	1000	221	0.100	0.57	0.32	0.38	507	469	652	559
1x400/35	44.0	2420	1000	221	0.0778	0.55	0.31	0.41	559	532	741	651
1x500/35	47.0	2820	1000	221	0.0605	0.53	0.30	0.46	622	599	838	744
1x630/35	52.0	3380	1000	261	0.0469	0.51	0.29	0.53	697	679	957	851

* Please refer to Explanatory Notes.