

3.6/6 kV XLPE INSULATED SINGLE CORE CABLES WITH ALUMINIUM CONDUCTOR

According to IEC 60502-2

Construction:

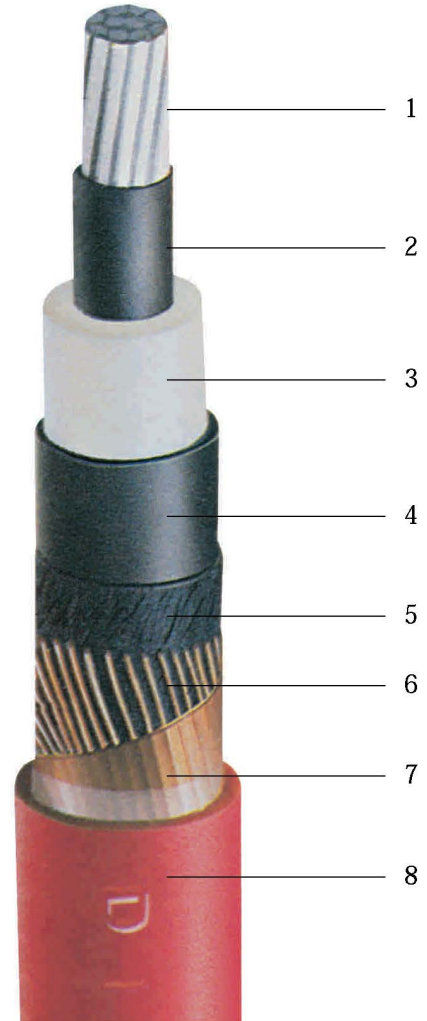
- 1-Aluminium conductor
- 2-Inner semi-conductive layer
- 3-XLPE insulation
- 4-Outer semi-conductive layer
- 5-Semi-conductive tape
- 6-Copper wire screen
- 7-Separation foil
- 8-PVC outer sheath

(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	mH/km	mH/km	µF/km	A	A	A	A	
1x 50/16	23.0	630	1000	141	0.641	0.72	0.39	0.30	186	178	233	188	
1x 70/16	25.0	740	1000	141	0.443	0.69	0.37	0.35	234	217	280	235	
1x 95/16	26.0	840	1000	141	0.320	0.66	0.35	0.39	287	259	344	286	
1x120/16	28.0	940	1000	161	0.253	0.64	0.34	0.43	338	298	392	329	
1x150/25	29.0	1120	1000	161	0.206	0.62	0.33	0.47	388	333	441	376	
1x185/25	31.0	1270	1000	161	0.164	0.60	0.32	0.50	449	377	510	428	
1x240/25	33.0	1470	1000	161	0.125	0.58	0.31	0.55	530	438	587	508	
1x300/25	36.0	1740	1000	181	0.100	0.56	0.30	0.57	605	495	682	586	
1x400/35	41.0	2220	1000	221	0.0778	0.55	0.30	0.59	678	562	781	676	
1x500/35	44.0	2630	1000	221	0.0605	0.53	0.29	0.62	762	633	883	772	
1x630/35	49.0	3170	1000	261	0.0469	0.50	0.28	0.71	858	712	1007	882	

* Please refer to Explanatory Notes.