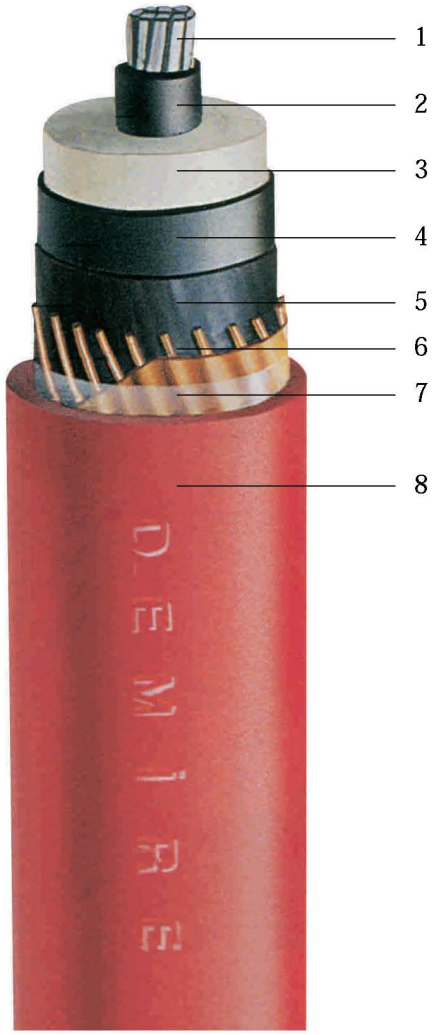
12/20 kV XLPE INSULATED SINGLE CORE CABLES WITH ALUMINIUM CONDUCTOR

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 lenght	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	29.0	860	1000	161	0.641	0.73	0.44	0.17	195	173	217	184
1x 70/16	31.0	990	1000	161	0.443	0.70	0.42	0.19	237	211	270	229
1x 95/16	33.0	1110	1000	161	0.320	0.67	0.39	0.21	282	252	328	278
1x120/16	34.0	1240	1000	161	0.253	0.65	0.38	0.23	320	287	378	320
1x150/25	36.0	1450	1000	181	0.206	0.63	0.37	0.25	353	320	425	363
1x185/25	37.0	1620	1000	201	0.164	0.62	0.36	0.27	396	362	485	415
1x240/25	40.0	1840	1000	221	0.125	0.59	0.34	0.30	457	421	573	493
1x300/25	42.0	2100	1000	221	0.100	0.57	0.33	0.32	511	474	652	563
1x400/35	46.0	2560	1000	221	0.0778	0.56	0.32	0.35	566	538	740	652
1x500/35	50.0	2970	1000	261	0.0605	0.54	0.31	0.39	630	606	838	746
1x630/35	54.0	3550	1000	261	0.0469	0.51	0.30	0.44	719	686	953	850

* Please refer to Explanatory Notes.