

**12/20 kV XLPE INSULATED STEEL WIRE ARMoured
THREE-CORE CABLES WITH ALUMINIUM CONDUCTOR**

According to IEC 60502-2

Construction:

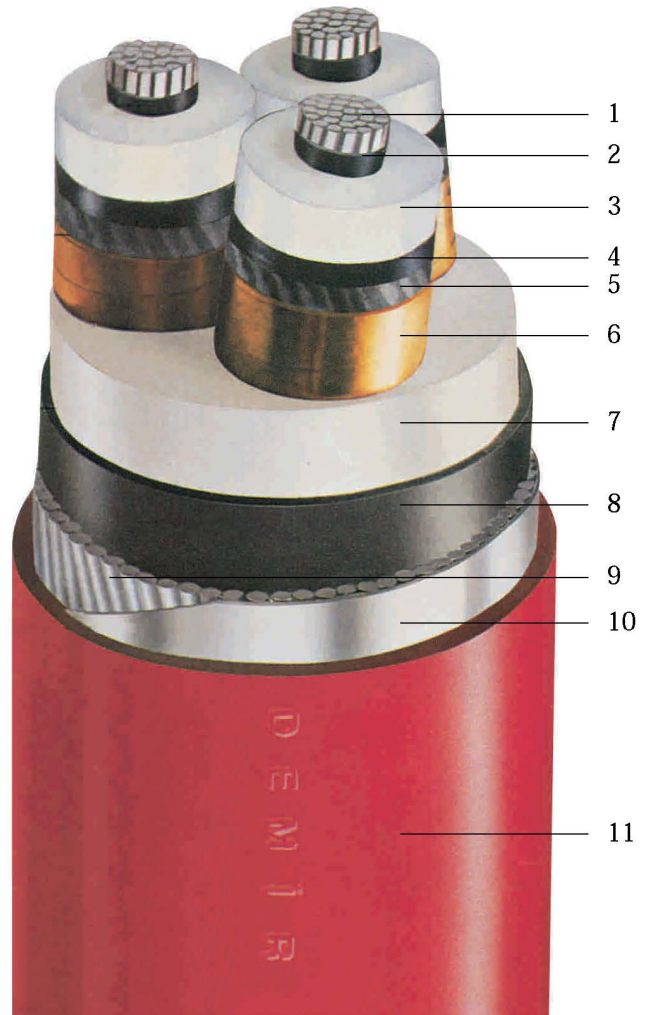
- 1-Aluminium conductor
- 2-Inner semi-conductive layer
- 3-XLPE insulation
- 4-Outer semi-conductive layer
- 5-Semi-conductive tape
- 6-Copper tape screen
- 7-Filling
- 8-PVC separation sheath
- 9-Galvanized round steel wire armour
- 10-Galvanized steel tape helix
- 11-PVC outer sheath

(VDE Code: A2XSEYRGbY)

Application:

Under heavy duty conditions, under ground, in power and switching stations, urban networks industrial plants, where there is a risk of mechanical damage.

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*		
								in ground	in air	
mm ²	mm	kg/km	m	cm	ohm/km	mH/km	µF/km	A	A	
3x 50/16	67.0	7060	500	261	0.641	0.40	0.17	168	171	
3x 70/16	71.0	7920	500	261	0.443	0.38	0.19	207	211	
3x 95/16	75.0	8920	500	261	0.320	0.36	0.21	247	255	
3x120/16	80.0	10400	250	221	0.253	0.34	0.23	282	297	
3x150/25	83.0	11270	250	241	0.206	0.33	0.25	316	334	
3x185/25	89.0	12760	250	261	0.164	0.32	0.27	359	384	
3x240/25	95.0	14460	250	261	0.125	0.31	0.30	420	454	
3x300/25	100.0	16000	250	281	0.100	0.30	0.32	476	513	
3x400/35	107.0	18170	250	281	0.0778	0.29	0.35	552	593	

* Please refer to Explanatory Notes.