

Single Core

Copper, XLPE Insulated, unarmoured, FRPVC / LHFRPVC sheathed (Type B).

SIZE CODE

XLUA 1x(Conductor size)FR / LH 22kV

Application:

For use in power circuit systems of 12.7/22kV. Installed in cable trays and ducts.

Voltage Rating: 12.7/22kV

Specification: SANS 1339

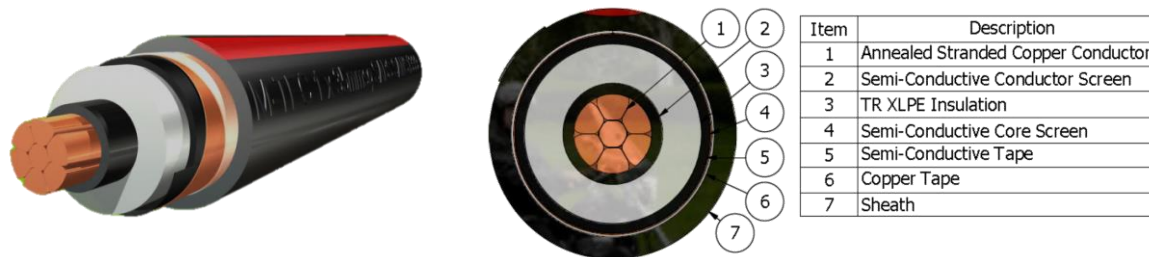
Construction

1 core, circular copper stranded conductor, XLPE insulated, copper tape screened, flame retardant / low halogen flame retardant PVC sheathed.

Physical properties and dimensions							Electrical Properties								
Conductor size	Conductor diameter	Insulation diameter	Cable diameter	Cable mass	Gross mass 1000m	Bending radius	Current rating Trefoil		Resistance Ω /km max		Reactance Ω /km	Impedance Ω /km	Capacitance μ F/km	Short circuit	
							air	ducts	dc @ 20°C	ac @ 90°C				Short circuit symmetrical kA (1sec)	Max. earth fault rating kA (1sec)
mm ² Nom.	mm Nom.	mm Nom.	mm Nom.	kg/m Nom.	kg Nom.	mm Min.	A								
50	8,20	22,68	28,11	1,28	1 577	562	240	195	0,387	0,494	0,143	0,514	0,183	6,4	1,0
70	9,90	24,38	30,01	1,55	1 852	600	300	240	0,268	0,342	0,135	0,368	0,204	9,3	1,0
95	11,75	26,23	31,56	1,86	2 162	631	360	280	0,193	0,247	0,128	0,278	0,228	12,9	1,0
120	13,05	27,53	33,07	2,16	2 465	661	415	330	0,153	0,196	0,122	0,231	0,245	16,2	1,0
150	14,75	29,23	35,07	2,49	2 792	701	465	370	0,124	0,159	0,118	0,198	0,262	20,0	1,0
185	16,30	30,78	36,52	2,79	3 087	730	525	420	0,0991	0,128	0,114	0,171	0,283	25,1	1,0
240	18,85	33,33	39,28	3,44	3 735	786	610	490	0,0754	0,098	0,108	0,146	0,318	20,0	1,0
300	21,15	35,63	41,58	4,09	4 391	832	682	550	0,0601	0,079	0,104	0,131	0,347	25,1	1,0

Cable Identification:

FRPVC (red stripe), LHFRPVC (blue stripe), HFFR (white stripe), PE (no stripe).



Revision: R01- 29/02/2016 - Changed table to Landscape and 3D picture.

R02 -11/10/2021 - Updated Dimensions

Note: Under ground installation is only permitted if the cable is adequately protected against mechanical damage.

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