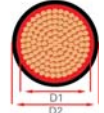


Single Core XLPE PVC Cable

General Purpose Wire (600/1000V)



Driven by Powertech



D1 = Diameter over conductor D2 = Diameter over the PVC sheath

Cable Description

High conductivity annealed stranded or solid copper conductors to SANS 1411 Part 1. Insulated with XLPE plain colours to SANS 1411 Part 4.

Installation Information

For the wiring of :

- Industrial Buildings
- Control Panels

Properties

Specification	: SANS 1507-4
Temperature Range	: -10°C to 90°C
Voltage Rating	: 600/1000V
Core Identification	: Black
Packaging	: 300/500m Drums

Technical Data

Rated Area (mm ²)	Nominal Diameters D1 D2		Nominal Mass (kg/km)	Impe- dance (Ω/km)	Cables A.C. or D.C.			Cables in Trefoil Formation			
					Current Rating *		Voltage Drop per Amp per metre (mV)	Current Rating			Voltage Drop per Amp per metre (mV)
					Ground	Air		Ground	Duct	Air	
25	5,95	11,81	328	0,8767	169	162	2,0	151	103	143	1,7
35	7,00	12,86	426	0,6356	205	202	1,4	181	125	179	1,2
50	8,15	14,38	567	0,4745	245	255	1,0	213	154	229	0,9
70	9,79	16,22	824	0,3356	302	313	0,7	260	192	284	0,6
95	11,54	17,97	1071	0,2500	366	380	0,5	312	233	346	0,5
120	12,96	19,82	1304	0,2054	422	441	0,4	355	268	402	0,4
150	14,39	21,42	1628	0,1734	480	508	0,4	397	305	465	0,3
185	16,10	23,63	1995	0,1499	554	585	0,3	449	345	537	0,3
240	18,71	26,69	2461	0,1268	656	704	0,2	522	406	648	0,2
300	21,45	30,05	3182	0,1131	766	804	0,2	589	459	741	0,2
400	24,30	33,30	4117	0,1028	902	874	0,2	668	511	805	0,2
500	26,51	36,33	5032	0,0963	1040	1013	0,2	750	583	935	0,2
630	33,15	42,79	6641	0,0890	1229	1205	0,2	848	680	1115	0,2

PVC Current Ratings are Based on the following Environmental Parameters

Maximum Sustained Conductor Temperature	Ground Temperature	Ambient Air Temperature	Ground Thermal Resistivity	Depth of Laying to top of Cable
90°C	25°C	30°C	1,2 K.m/W	500mm

- * Note:
- Rating for two touching cables installed in air.
 - Assumed ambient air temperature is 30°C.
 - Assumed maximum conductor temperature is 90°C.