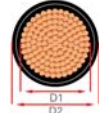


Single Core PVC Cable

General Purpose Wire



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 general purpose grade PVC in plain colours to SANS 1411 Part 2.

Installation Information

For the wiring of :

- Industrial Buildings
- Control Panels

Properties

Specification	: SANS 1507-3
Temperature Range	: -10°C to 70°C
Voltage Rating	: 600 / 1000V
Core Identification	: Black
Packaging	: 300/500m Drums

Electrical and physical properties of single core PVC Insulated cables with stranded copper conductors, unarmoured, PVC sheathed 600/1000V manufactured to SANS 1507-3.

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	11,91	366	0,8767	118	133	1,7	127	91	109	1,50
35	7,00	12,96	469	0,6356	156	165	1,3	153	109	136	1,10
50	8,15	15,15	632	0,4745	186	203	0,9	180	130	171	0,80
70	9,79	16,57	880	0,3356	232	251	0,7	221	166	214	0,60
95	11,54	19,04	1160	0,2500	281	313	0,5	265	208	271	0,40
120	12,96	20,24	1413	0,2054	324	362	0,4	301	237	316	0,30
150	14,39	22,07	1734	0,1734	370	414	0,3	338	267	366	0,30
185	16,10	24,80	2145	0,1499	424	482	0,3	381	305	433	0,20
240	18,71	27,81	2725	0,1268	498	578	0,2	442	357	525	0,20
300	21,45	30,75	3375	0,1131	566	660	0,2	499	404	604	0,20
400	24,30	34,10	4395	0,1028	651	704	0,2	565	442	639	0,20
500	26,51	37,13	5299	0,0963	740	821	0,2	634	506	752	0,20
630	33,15	43,62	6965	0,0890	836	960	0,2	718	580	886	0,10

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
70°C	25°C	30°C	1,2 K.m/W	500mm

- * Note:
- Rating based on two touching cables installed in a duct.
 - Assumed ambient air temperature is 30°C.
 - Assumed maximum conductor temperature is 70°C.