

Multicore Cables, with Stranded Copper Conductors, PVC Insulated, Armored by Steel Wires and PVC Sheathed

0.6/1 (1.2) kV



(a) Description

- Multicore cables of stranded Copper conductors are insulated with a PVC compound rated 90°C, assembled together, armored with steel wires and covered with an overall jacket of a PVC compound.
- Cables are produced according to IEC 60502.

(b) Application

- For outdoor installations in damp and wet locations where mechanical damages are expected to occur.

(c) Technical data

Relevant Standard:	IEC 60502 Part 1.
Conductor :	Plain annealed Copper, Class 2 according to IEC 60228.
Insulation :	PVC.
Colour Code :	Two cores : Red and Black. Three cores : Red, Yellow and Blue. Four cores : Red, Yellow, Blue and Black.
Laying up :	Cores twisted together with filling elements if necessary.
Wrapping :	At least 1 layer of Polypropylene Tape.
Bedding :	PVC.
Aarmor :	Galvanized Steel Wires Armor.
Outer Jacket :	PVC.
Temperature Range :	15- °C up to + 70 °C during operation.
Minimum Bending Radius:	15 x cable outer diameter (ø).
Packing Condition :	On non-returnable wooden drum.



Low Voltage Power Cables

(d) Product Data

Nominal Cross Sectional Area	Max. Conductor Resistance		Current Rating			Approx. Overall Diameter	Approx. Weight
	DC at 20 °C	"AC at 70 °C"	"Direct in Ground"	Laid in Ducts	Laid in Free Air		
mm ²	Ω/km	Ω/km	A	A	A	mm	kg/km
Two Core Cables							
25 r	0.7270	0.8700	124	96	133	25.3	1535
35 r	0.5240	0.6280	147	119	164	27.5	1790
Three Core Cables							
25 r	0.7270	0.8700	113	90	108	27.1	1765
35 r	0.5240	0.6280	136	113	127	29.5	2145
Four Core Cables							
25 r	0.7270	0.8700	119	101	102	29.2	2125
35 r	0.5240	0.6280	136	107	133	32.1	2635
50 s	0.3870	0.4640	164	130	164	37.1	3870
70 s	0.2680	0.3220	198	164	202	40.7	4900
95 s	0.1930	0.2320	237	186	247	46.6	6665
120 s	0.1530	0.1850	271	220	285	50.6	7990
150 s	0.1240	0.1510	305	249	323	55.1	9445
185 s	0.0991	0.1210	339	277	367	60.5	11425
240 s	0.0754	0.0840	390	328	437	66.8	14205
300 s	0.0601	0.0770	441	362	513	72.9	17870
400 s	0.0470	0.0606	483	408	564	80.0	21275
Four Core Cables with Reduced Neutral							
35 r + 16 r	0.5240/1.1500	0.6280/1.3900	136	107	133	28.7	2310
50 s + 25 r	0.3870/0.7270	0.4640/0.8700	164	130	164	35.5	3550
70 s + 35 r	0.2680/0.5240	0.3220/0.6280	198	164	202	39.2	4480
95 s + 50 s	0.1930/0.3870	0.2320/0.4640	237	186	247	42.6	5475
120 s + 70 s	0.1530/0.2680	0.1850/0.3220	271	220	285	48.9	7385
150 s + 70 s	0.1240/0.2680	0.1510/0.3220	305	249	323	52.7	8505
185 s + 95 s	0.0991/0.1930	0.1210/0.2320	339	277	367	57.6	10260
240 s + 120 s	0.0754/0.1530	0.0840/0.1850	390	328	437	64.0	12755
300 s + 150 s	0.0601/0.1240	0.0770/0.1510	441	362	513	69.8	15330
400 s + 240 s	0.0470/0.0754	0.0606/0.084	483	408	564	75.9	19260

The above data is approximate and subjected to manufacturing tolerance.

r : round, Stranded
s : Sector, Stranded

