

Multicore Cables, with Stranded Copper Conductors, PVC Insulated, Armored by Steel Tape 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 tape 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 :	Double Steel Tape 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"	"Laid 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	22.0	1030
35 r	0.5240	0.6280	147	119	164	24.2	1295
Three Core Cables							
16 r	1.1500	1.3900	85	68	83	20.6	860
25 r	0.7270	0.8700	113	90	108	23.8	1200
35 r	0.5240	0.6280	136	107	127	26.2	1530
Four Core Cables							
16 r	1.1500	1.3900	85	68	83	22.3	1070
25 r	0.7270	0.8700	113	90	108	25.9	1520
35 r	0.5240	0.6280	136	107	127	28.6	1950
50 s	0.3870	0.4640	164	130	159	32.7	2640
70 s	0.2680	0.3220	198	164	197	37.5	3915
95 s	0.1930	0.2320	237	186	240	42.4	5140
120 s	0.1530	0.1850	271	220	278	46.2	6310
150 s	0.1240	0.1510	305	249	316	50.9	7615
185 s	0.0991	0.1210	339	277	361	56.1	9365
240 s	0.0754	0.0840	390	328	430	62.6	12790
300 s	0.0601	0.0770	441	362	506	68.7	14645
400 s	0.0470	0.0606	502	421	575	74.9	18510
Four Core Cables with Reduced Neutral							
35 r + 16 r	0.5240/1.1500	0.6280/1.3900	136	107	127	27.0	1740
50 s + 25 r	0.3870/0.7270	0.4640/0.8700	164	130	159	30.9	2365
70 s + 35 r	0.2680/0.5240	0.3220/0.6280	198	164	197	34.6	3155
95 s + 50 s	0.1930/0.3870	0.2320/0.4640	237	186	240	40.7	4625
120 s + 70 s	0.1530/0.2680	0.1850/0.3220	271	220	278	44.5	5730
150 s + 70 s	0.1240/0.2680	0.1510/0.3220	305	249	316	48.5	6740
185 s + 95 s	0.0991/0.1930	0.1210/0.2320	339	277	361	53.2	8300
240 s + 120 s	0.0754/0.1530	0.0840/0.1850	390	328	430	59.6	10550
300 s + 150 s	0.0601/0.1240	0.0770/0.1510	441	362	506	65.4	12920
400 s + 240 s	0.0470/0.0754	0.0606/0.084	502	421	575	70.8	16360

The above data is approximate and subjected to manufacturing tolerance.

r : round, Stranded
s : Sector, Stranded

