

Multicore Cables, with Stranded Copper Conductors, XLPE 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 XLPE compound, 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 :	Cross Linked Polyethylene Compound (XLPE).
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 Ploypropylene Tape.
Bedding :	PVC.
Aarmor :	Double Steel Tape Armor.
Outer Jacket :	PVC.
Temperature Range :	15- °C up to + 90 °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 90 °C*	*Direct in Ground*	Laid in Ducts	*Direct in Free Air*		
mm ²	Ω/km	Ω/km	A	A	A	mm	kg/km
Two Core Cables							
25 r	0.7270	0.9270	138	106	137	20.8	935
35 r	0.5240	0.6690	164	132	164	23.0	1185
Three Core Cables							
16 r	1.1500	1.4700	105	81	97	19.3	790
25 r	0.7270	0.9270	138	109	132	22.5	1105
35 r	0.5240	0.6690	167	130	157	24.9	1420
Four Core Cables							
10 r	1.8300	2.3300	81	64	74	18.4	720
16 r	1.1500	1.4700	105	81	97	20.9	975
25 r	0.7270	0.9270	138	109	132	24.5	1385
35 r	0.5240	0.6690	167	130	157	27.2	1775
50 s	0.3870	0.4940	202	158	196	30.1	2415
70 s	0.2680	0.3430	240	196	237	34.6	3335
95 s	0.1930	0.2480	289	229	295	39.7	4815
120 s	0.1530	0.1970	332	267	341	43.8	5910
150 s	0.1240	0.1600	365	300	387	48.7	7195
185 s	0.0991	0.1290	409	338	444	53.7	8830
240 s	0.0754	0.0990	474	398	531	60.0	11285
300 s	0.0601	0.0810	534	441	618	65.5	13835
400 s	0.0470	0.0642	618	514	710	71.7	17515
Four Core Cables with Reduced Neutral							
35 r + 16 r	0.5240/1.1500	0.6690/1.4700	167	130	157	25.6	1615
50 s + 25 r	0.3870/0.7270	0.4940/0.9270	202	158	196	28.7	2160
70 s + 35 r	0.2680/0.5240	0.3430/0.6690	240	196	237	33.1	2960
95 s + 50 s	0.1930/0.3870	0.2480/0.4940	289	229	295	38.0	4280
120 s + 70 s	0.1530/0.2680	0.1970/0.3430	332	267	341	42.1	5365
150 s + 70 s	0.1240/0.2680	0.1600/0.3430	365	300	387	46.3	6355
185 s + 95 s	0.0991/0.1930	0.1290/0.2480	409	338	444	51.2	7865
240 s + 120 s	0.0754/0.1530	0.0990/0.1970	474	398	531	57.1	10000
300 s + 150 s	0.0601/0.1240	0.0810/0.1600	534	441	618	62.2	12205
400 s + 240 s	0.0470/0.0754	0.0642/0.099	618	514	710	67.8	15505

The above data is approximate and subjected to manufacturing tolerance.

r : round, Stranded
s : Sector, Stranded

