

1. Single Core, 600/1000 V PVC Insulated Copper Cable

CABLE CONSTRUCTION				
Conductor	Insulation	Sheathing	Core Identification Colors	Packing
Plain annealed circular Copper (Solid – Class 1 or Stranded – Class 2 According to IEC 60228)	PVC TI3 rated at 90C° according to BS EN 50363-3 (PVC TI1 rated at 70C° also available)	N/A	Black, red, blue, green, yellow, yellow/green	100 Yards

General standard	IEC-60502-1
Maximum Operating Temperature	90 °C
Maximum Short Circuit Temperature	160 °C



CABLE INSTALLATION					
Switch gear wiring	Control gear wiring	Enclosed in conduit in thermally insulated wall	Enclosed in conduit on wall or in trunking	Directly to the surface of wall or structure	Building and equipment wiring
✓	✓	✓	✓	✓	✓

CABLE PARAMETERS					
Conductor size (mm ²)	Wire (# of wires x mm)	Maximum DC Conductor Resistance at 20 °C (ohm/km)	Nominal Insulation Thickness (mm)	Approx. Overall Diameter (mm)	Approx. Net Weight (kg/km)
1.5*	1 x 1.38	12.1	0.8	3.3	23
1.5	7 x 0.52	12.1	0.8	3.4	24
2.5*	1 x 1.78	7.41	0.8	3.9	32
2.5	7 x 0.67	7.41	0.8	4.2	34
4	7 x 0.85	4.61	0.8	4.8	49
6	7 x 1.04	3.08	0.8	5.4	68
10	7 x 1.35	1.83	1.0	6.8	115
16	7 x 1.70	1.15	1.0	8.0	170

*Solid conductor, all other conductors are class 2 (according to IEC 60228)

Different cable length can be manufactured according to customer request, the above data is approximate and subjected to manufacturing tolerance. We reserve the right to change without notice because of product development and/or changes in the standard.

