

Bare Copper & Yellow/green Earthing Conductor



Application

These cables are intended for use in electrical installations for earthing purpose

Construction

Conductor: Stranded plain copper class 2 to BS: 6360
Insulation: PVC Type Tl 1 to BS: 7655 for Yellow/Green earth wire only

Packaging

- All sizes can be supplied in non-returnable ply/wooden reels of 500 mtr and 1000 mtr
- Customised lengths available on request

Technical Data

Max Operating Temperature : 70°C

Rated Voltage : 450/750V

Standards : BS EN 50525 - 2 - 31

Bare Copper			
Conductor			
Nominal Cross-Sectional Area sq mm	Number of Strands	Diameter of Strand	Resistance at 20°C ohms/km
16.0	7	1.70	1.15
25.0	7	2.14	0.73
35.0	7	2.52	0.52
50.0	19	1.78	0.39
70.0	19	2.14	0.27
95.0	19	2.52	0.19
120.0	37	2.04	0.15

Yellow/green Earth Wire							
Nominal Cross-Sectional Area sq mm	Conductor			Radial Thickness of Insulation mm	Approx. Overall Diameter mm	Approx. Net Weight kg/km	Current Carrying Capacity A
	Number of Strands	Diameter of Strand	Resistance at 20°C ohms/km				
10.0	7	1.35	1.83	1.0	6.1	113	50
16.0	7	1.70	1.15	1.0	7.1	171	68
25.0	7	2.14	0.73	1.2	8.9	268	89
35.0	7	2.52	0.52	1.2	10.0	363	110
50.0	19	1.78	0.39	1.4	11.7	484	134
70.0	19	2.14	0.27	1.4	13.5	685	171
95.0	19	2.52	0.19	1.6	15.8	945	207
120.0	37	2.04	0.15	1.6	17.5	1180	239