

# 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 BS6360/IEC60228-1 / BSEN:60228

**Insulation** : PVC Type TI 1 to BSEN:50363-3 for Yellow/Green earth wire only

## PACKAGING

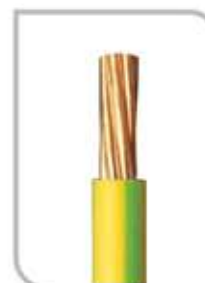
- All sizes can be supplied in non-returnable ply/wooden reels of 500m and 1000m
- Customised lengths available on request

## TECHNICAL DATA

**Max. Operating Temperature** : 70°C

**Rated Voltage** : 450/750V

**Standards** : BSEN:50525-2-31



## BARE COPPER

Nominal Cross-Sectional Area (mm <sup>2</sup> )	Conductor			Approx. Overall Diameter (mm)	Approx. Nett Weight (kg/km)	Approx. Current Carrying Capacity (A)
	Number of Strands	Diameter of Strand (mm)	Max. Resistance at 20°C (Ω/km)			
10.0	7	1.35	1.830	4.05	88.90	50
16.0	7	1.70	1.150	5.10	142.24	68
25.0	7	2.14	0.727	6.42	222.25	89
35.0	7	2.52	0.524	7.56	311.15	110
50.0	19	1.83	0.387	9.15	444.50	134
70.0	19	2.17	0.268	10.85	622.30	171
95.0	19	2.52	0.193	12.60	844.55	207
120.0	37	2.04	0.153	14.28	1066.80	239
150.0	37	2.27	0.124	15.89	1333.50	262
185.0	37	2.52	0.0991	17.64	1644.65	296
240.0	61	2.25	0.0754	15.75	2133.60	346
300.0	61	2.50	0.0601	22.50	2667.00	394

## YELLOW/GREEN EARTH WIRE

Nominal Cross-Sectional Area (mm <sup>2</sup> )	Conductor			Radial Thickness of Insulation (mm)	Approx. Overall Diameter (mm)	Approx. Nett Weight (kg/km)	Approx. Current Carrying Capacity (A)
	Number of Strands	Diameter of Strand (mm)	Max. Resistance at 20°C (Ω/km)				
10.0	7	1.35	1.830	1.0	6.70	110	50
16.0	7	1.70	1.150	1.0	7.10	171	68
25.0	7	2.14	0.727	1.2	9.70	260	89
35.0	7	2.52	0.524	1.2	10.90	350	110
50.0	19	1.83	0.387	1.4	12.80	480	134
70.0	19	2.17	0.268	1.4	14.60	680	171
95.0	19	2.52	0.193	1.6	17.10	930	207
120.0	37	2.04	0.153	1.6	18.80	1160	239
150.0	37	2.25	0.124	1.8	20.90	1430	262
185.0	37	2.52	0.0991	2.0	23.30	1740	296
240.0	61	2.24	0.0754	2.0	26.60	2270	346
300.0	61	2.50	0.0601	2.2	29.60	2840	394