

## Straight Concentric Cable 1kV - BS70870, ESI 09-7, PVC - 4mm to 35mm



Used by Distribution Network Operators (DNO's) such as UKPN, WPD, ENW, NPG, SSE etc. Straight concentric cable is normally used as an energy supply cable most commonly found in power station distribution, panel boards and street lighting areas where mechanical protection is required.

### Key Features



#### Installation Guidelines

Should not be installed at temperatures below 0°C or above +60°C



#### Voltage Rating

600/1000 Volts

### Construction

- **Conductor:** Stranded Copper Conductor
- **Insulation:** Poly Vinyl Chloride (PVC)Concentric
- **Bedding:** Conductor
- **Sheath:** PVC (Polyvinyl Chloride)
- **Armour:** Plain Copper wires

### Standards

- BS7870 - 3.11, BS EN 60228

### Core Colours

Live

Brown

## Straight Concentric Cable 1kV - BS70870, ESI 09-7, PVC - 4mm to 35mm - Dimensions

Reference	Conductor Size (mm <sup>2</sup> )	No Of Cores	Stranding(mm)	Overall Diameter(mm)	Weight(Kg/Km)	Gland Size
4STRCON	4	1	7/0.85	9	180	20S
6STRCON	6	1	7/1.04	10	230	20S
16STRCON	16	1	7/1.70	12	440	20
25STRCON	25	1	7/2.14	15	600	25
35STRCON	35	1	7/2.25	16	850	25

CONCENTRIC CABLE ELECTRIC CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C	MAXIMUM DC RESISTANCE OF CONCENTRIC CONDUCTOR AT 20°C -
(MM2)	PHASE Ω/KM	NEUTRAL Ω/KM
4	14.61	4.8
16	1.15	1.2
25	0.727	0.76
35	0.7	0.38

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.

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