

## Straight Concentric Cable 1kV - BS70870, ESI 09-7, PVC - 4mm<sup>2</sup> to 35mm<sup>2</sup>



### Description

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



**Voltage Rating**  
600/1000 Volts



**Minimum Bending Radius**  
8 x Overall Diameter



**Flame Retardancy**  
BS EN/IEC 60332-1-2



**Temperature Limits**  
Fixed: -15°C to +70°C

### Core Colours

Live

Brown

### Standards

- BS7870-3-11
- BS EN/IEC 60228
- BS EN/IEC 60332-1-2

### Construction

- **Conductor:** Class 2 stranded copper conductor
- **Insulation:** Polyvinyl Chloride (PVC)
- **Concentric Conductor:** Single layer of copper wires
- **Outer Sheath:** Polyvinyl Chloride (PVC)
- **Sheath Colour:** Black

### QA Lab

#### Cleveland Cable Test & Training Lab

Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing. Where applicable, cables are independently tested and certified by BASEC to ensure full compliance.



### CPR

Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.



### Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.



### ecovadis

Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

### ecovadis

Straight Concentric Cable 1kV - BS70870, ESI 09-7, PVC - 4mm<sup>2</sup> to 35mm<sup>2</sup> - Dimensions

Reference	Conductor Size (mm2)	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.

