

## COPPER STRAIGHT CONCENTRIC CABLE



### APPLICATION

Used by Distribution Network Operators (DNOs) 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.

### CABLE STANDARDS

BS7870 - 3.11

BS EN 60228

### CONSTRUCTION

**Conductor:** Stranded Copper Conductor

**Insulation:** Poly Vinyl Chloride (PVC)

**Concentric Conductor:** Plain Copper wires

**Sheath:** Poly Vinyl Chloride (PVC)

**Sheath Colour:** ■ Black

### CHARACTERISTICS

**Voltage Rating:** 600/1000 Volts

**Temperature Rating:** -15°C to +70°C

**Minimum Bending Radius:** As per cable manufacturer datasheet

### CONDUCTOR IDENTIFICATION

**Live:** ■ Brown

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

## COPPER STRAIGHT CONCENTRIC CABLE - DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM <sup>2</sup> )	STRANDING (MM)	WEIGHT (KG/KM)	OVERALL DIAMETER (MM)	GLAND SIZE
4 STRCON	4	7/0.85	180	9	20S
6 STRCON	6	7/1.04	230	10	20S
16 STRCON	16	7/1.70	440	12	20
25 STRCON	25	7/2.14	600	15	25
35 STRCON	35	7/2.25	850	16	25

## COPPER STRAIGHT CONCENTRIC CABLE – ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA (MM <sup>2</sup> )	CONTINUOUS CURRENT RATING			VOLTAGE DROP	
	CLIPPED DIRECT AMPS	IN CONDUIT ON WALL AMPS	IN AIR AMPS	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C - PHASE OHMS/KM	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C - NEUTRAL OHMS/KM
4	41	37	42	4.61	4.
6	50	46	51	3.08	3.15
16	99	88	100	1.15	1.20
25	130	117	135	0.727	0.76
35	120	110	129	0.524	0.55

THE ABOVE IS IN ACCORDANCE WITH 18TH EDITION OF IET WIRING REGULATIONS

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