

## COPPER SPLIT CONCENTRIC CABLE PVC



### APPLICATION

Used by Distribution Network Operators (DNOs) such as UKPN, WPD, ENW, NPG, SSE etc to provide the final connection to domestic properties. Suitable for sub main distribution boxes, street lighting systems and high rise buildings.

### CABLE STANDARDS

BS7870 -3.21  
BS EN 60228

### CONSTRUCTION

**Conductor:** Stranded Copper Conductor

**Insulation:** Cross Link Polyethylene (XLPE)

**Neutral Conductor:** Plain copper wire covered in blue polymeric compound

**Earth Continuity Conductor:** Plain Copper

**String Separator:** Non Hygroscopic separator

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

**Sheath Colour:** ■ Black / ■ Violet

### CHARACTERISTICS

**Voltage Rating:** 600/1000 Volts

**Temperature Rating:** -15°C to +90°C

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

\*\* Stranding of Neutral conductor is the same as the phase conductor except 25mm<sup>2</sup> which has stranding of 11 x 1.70mm

Also available in violet outer sheath in 6mm, 10mm, 16mm, and 25mm.

## COPPER SPLIT CONCENTRIC CABLE - DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM <sup>2</sup> )	STRANDING (MM)	WEIGHT (KG/KM)	OVERALL DIAMETER (MM)	GLAND SIZE
4 SPLITCON	4	7/0.85	206	9.6	20S
6 SPLITCON	6	7/1.04	281	11.4	20
10 SPLITCON	10	7/1.35	394	12.7	20
16 SPLITCON	16	7/1.70	583	14.6	25
25 SPLITCON	25	**7/2.14	843	18.7	32
35 SPLITCON	35	7/2.52	1300	23	40

## COPPER SPLIT CONCENTRIC CABLE PVC – CURRENT CARRYING CAPACITY

NOMINAL CROSS SECTIONAL AREA (MM <sup>2</sup> )	CONTINUOUS CURRENT RATING		
	CLIPPED DIRECT AMPS	IN CONDUIT ON WALL AMPS	IN AIR AMPS
4	41	37	42
6	50	46	51
16	99	88	100
25	120	110	135
35	130	117	129

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

## COPPER SPLIT CONCENTRIC CABLE PVC – ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA (MM <sup>2</sup> )	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C - PHASE OHMS/KM	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C - NEUTRAL OHMS/KM	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C - EARTH OHMS/KM
4	4.61	4.	4.80
6	3.08	3.15	3.15
10	1.83	1.90	1.90
16	1.15	1.20	1.20
25	0.727	0.76	0.76
35	0.524	0.55	0.55

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