CLEVELAND CABLE COMPANY

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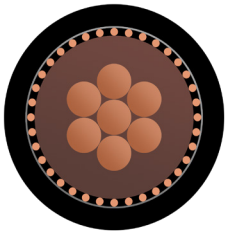
DNO APPROVED CNE STRAIGHT CONCENTRIC COPPER CABLE XLPE/PVC



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.

CNE (Combined Negative & Earth) construction for modern installations

CABLE STANDARDS

BS EN 60228

BS 7870-3-21

Flame Retardant to BS EN/IEC 60332-1-2

CONSTRUCTION

Conductor: Class 2 Stranded Copper Conductor

Insulation: Cross Link Polyethylene (XLPE)

Concentric Conductor: Plain copper wires, single layer, with helically wound tape

Sheath: PVC (Polyvinyl Chloride)

Sheath Colour: Black

CHARACTERISTICS

Voltage Rating: 600V / 1000V

Temperature Limits: -15°C to +70°C

Minimum Bending Radius:
As per cable manufacturer datasheet

Should not be installed at temperatures below 0°C

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STRAIGHT CONCENTRIC COPPER CABLE - DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM^2)	NUMBER OF CORES	AVG. NOMINAL DIAMETER (MM)	MAXIMUM VOLTAGE RATING	WEIGHT (kg/km)
4STRCON	4	1	8.5	1kV	140
16STRCON	16	1	12	1kV	370
25STRCON	25	1	14	1kV	550
35STRCON	35	1	16	1kV	850

STRAIGHT CONCENTRIC COPPER CABLE – CURRENT CARRYING CAPACITY

NUMBER OF CORES	NOMINAL CROSS SECTIONAL AREA (MM^2)	CONTINUOUS CURRENT RATING		
		CLIPPED DIRECT AMPS	IN CONDUIT ON WALL AMPS	IN AIR AMPS
1	4	42	37	42
1	16	100	88	100
1	25	120	110	130
1	35	130	118	135

STRAIGHT CONCENTRIC COPPER CABLE – ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA (MM^2)	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C OHMS/KM	MAXIMUM DC RESISTANCE OF CONCENTRIC CONDUCTOR AT 20°C OHMS/KM
1 X 4	4.61	4.8
1 X 16	1.15	1.2
1 X 25	0.73	0.76
1 X 35	0.70	0.68