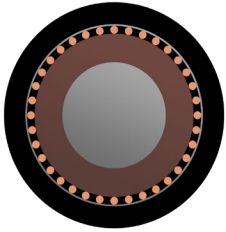


DNO APPROVED CNE ALUMINIUM STRAIGHT CONCENTRIC CABLE XLPE/PVC



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: Solid Aluminium 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

ALUMINIUM STRAIGHT CONCENTRIC CABLE - DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM ²)	NUMBER OF CORES	AVG. NOMINAL DIAMETER (MM)	MAXIMUM VOLTAGE RATING	WEIGHT (kg/km)
25STRCONAL	25	1	13	1kV	300
3X25STRCONAL	25	3	23	1kV	650
35STRCONAL	35	1	14	1kV	390
3X35STRCONAL	35	3	25	1kV	820

ALUMINIUM STRAIGHT CONCENTRIC 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	25	119	105	127
3	25	90	84	97
1	35	147	128	158
3	35	112	103	120

ALUMINIUM STRAIGHT CONCENTRIC 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
25	1.2	1.3
35	0.868	0.91

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.