DNO Approved CNE Copper Straight Concentric Cable - XLPE, PVC - 4mm² to 35mm²



Description

Used by Distribution Network Operators (DNOs) such as UKPN, 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.

Key Features

Voltage Rating
600/1000 Volts

Minimum Bending Radius
8 x Overall Diameter

Flame Retardancy
BS EN 60332-1-2

Temperature Limits
Temperature Range: -15°C to + 70°C

Standards

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

Construction

- **Conductor**: Class 2 stranded copper conductor
- **Insulation**: Cross Linked polyethylene (XLPE)
- **Concentric Conductor**: Single layer of copper wires
- **Separator**: Binding Tape Helically Applied
- **Outer Sheath**: Polyvinyl Chloride (PVC)
- **Sheath Colour**: Black

Training & Testing Lab

AN ISO/IEC 17025 ACCREDITED FACILITY

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.

ISO/IEC 17025 Accredited Testing Laboratory
UKAS TESTING 31196

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.

CLEVELAND CABLE COMPANY

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

DNO Approved CNE Copper Straight Concentric Cable - XLPE, PVC - 4mm² to 35mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores
4STRCON	4	1
16STRCON	16	1
25STRCON	25	1
35STRCON	35	1

CONCENTRIC CABLE CURRENT CARRYING CAPACITY				
NUMBER OF CORES	NOMINAL CROSS SECTIONAL AREA	CONTINUOUS CURRENT RATING		
		CLIPPED DIRECT	IN CONDUIT ON WALL	IN AIR
	(MM2)	AMPS	AMPS	AMPS
1	4	41	37	42
1	16	99	88	100
1	25	120	110	129
1	35	130	117	135
3	35	130	118	135

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.