ConnectEV Electric Vehicle Charging & CAT5e Cable



Description

This cable is for use in the installation of electric vehicle charge points. This is a combined 3 core power and 4 pair CAT5e Data cable with an aluminium tape screen and drain wire. Whilst designed for use in electric vehicle chargepoints, the cable is suitable for other installations where power and CAT5e data cable is required.

Key Features

Voltage Rating
600 - 1000 Volts
Test Voltage: 4kV

Minimum Bending Radius
8 x Overall Diameter

Flame Retardancy
BS EN 60332-1-2

Temperature Limits
Temperature Range: -30°C to +80°C

Core Colours

3 Core - Brown, Blue, Green Yellow

Pair 1 - Blue, Blue White
Pair 2 - Orange, Orange White
Pair 3 - Green, Green White
Pair 4 - Brown, Brown White

Standards

- FG16OR16
- IEC 60228, IEC 60502-1, IEC 60332-1-2

Construction

- **Conductor**: Class 2 stranded copper conductor
- **Insulation**: **Power Cable:** XLPE , **CAT5 Cable:** PVC
- **Screen**: **Power Cable:** PET Tape Wrapping, **CAT5 Cable:** Drain Wire with Aluminium Tape
- **Bedding**: Polyvinyl Chloride (PVC)
- **Sheath**: **Power Cable:** PVC, **CAT5 Cable:** (LSZH)
- **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

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ConnectEV Electric Vehicle Charging & CAT5e Cable - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Stranding(mm)	Overall Diameter(mm)	Weight(Kg/Km)
CONNECTEV3X4	4	3 Core & CAT5e	Class 2	14	265
CONNECTEV3X6	6	3 Core & CAT5e	Class 2	15	380

EV Charge Cable Electrical Parameters

Number of Cores and Conductor Size	Conductor Max. DC resistance at 20°C	Conductor Max. AC resistance at 90 °C	Conductor short circuit current at 1 Sec	Voltage Drop	Cutting Length	Drum Dimensions
mm^2	Ω/Km	Ω/Km	kA	mV/AMP/M	Metres	mm
$3x4mm^2$	4.61	5.88	0.572	7.731	1000	1000 X 750
$3x6mm^2$	3.08	3.93	0.858	5.191	1000	1050 X 750

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.