Battery Cable - BS EN 60332-1-2, VDE 0250, TPE, PVC - 2.5mm² to 95mm²

Description

PVC battery cable has a wide range of applications in DC battery systems in the automotive industry, process control industry and is widely used in automation. It is used to provide power to a variety of electrical vehicles and connection to DC operated conveyor systems etc.

PVC battery cable is a flexible double insulated twin-core cable laid up in a figure of 8 configuration with a clear outer sheath. For indoor or outdoor use in the dry or wet.

Key Features

Voltage Rating
450/750 Volts

Minimum Bending Radius
6 x overall diameter

Flame Retardancy
BS EN 60332-1-2

Temperature Limits
Temperature Range: -20°C to +70°C

Core Colours

Black and Red

Neutral/Transparent sheath

Standards

- BS EN/IEC 60332-1-2
- VDE 0250

Construction

- **Conductor**: Class 6 extra flexible copper
- **Insulation**: Thermoplastic Elastomer (TPE)
- **Sheath**: Polyvinyl Chloride (PVC)
- **Sheath Colour**: Sheath Neutral / Transparent

QA Lab

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. Where applicable, cables are independently tested and certified by BASEC to ensure full compliance.

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.

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

Battery Cable - BS EN 60332-1-2, VDE 0250, TPE, PVC - 2.5mm² to 95mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Overall Diameter(mm)	Weight(Kg/Km)
BAT2X2/5	2.5	2	4.4 x 10.8	90
BAT2X4	4	2	6.5 x 14.5	120
BAT2X6	6	2	7.1 x 15.5	190
BAT2X10	10	2	7.9 x 17.6	294
BAT2X16	16	2	10.0 x 21.5	420
BAT2X25	25	2	11.2 x 24.3	627
BAT2X35	35	2	12.4 x 25.9	824
BAT2X50	50	2	14.5 x 30.5	1132
BAT2X75	75	2	17.2 x 36.5	1600
BAT2X95	95	2	18.4 x 38.6	2080

PVC BATTERY CABLES - ELECTRICAL PROPERTIES

N2XS2Y CABLE-Current	MAXIMUM DIAMETER OF WIRES IN CONDUCTOR	MAXIMUM RESISTANCE OF CONDUCTOR AT 20ºC	CURRENT RATING AT 60ºC
MM^2	MM	Ω/km	AMPS
2.5	0.16	7.98	32
4	0.16	4.95	42
6.00	0.21	3.30	54
10	0.21	1.91	73
16	0.21	1.21	98
25	0.21	0.78	129
35	0.21	0.554	158
50	0.31	0.39	198
70	0.31	0.27	245
95	0.31	0.21	292