

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



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



Installation Guidelines

Should not be installed at temperatures below 0°C



Voltage Rating

450/750 Volts

Construction

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

Standards

- Figure of 8 sheath configuration based on VDE0250, BS EN 60332-1-2

Core Colours

Black

and

Red

Neutral/Transparent sheath

Battery Cable - BS EN 60332-1-2, VDE 0250, TPE, PVC - 2.5mm to 95mm - 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 20°C | CURRENT RATING AT 60°C |
|----------------------|--|---|------------------------|
| MM² | 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 |

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