Twinflex PVC Battery Cable

pro-POWER

RoHS Compliant

Application:

For indoors and outdoors, in dry as well as wet location on motorised vehicles, or battery powered equipment such as forklifts and field conveyors. Also suitable for use in high quality booster cables.

Cable Standards:

Made in accordance with the following:

Figure of 8 configuration based on VDE0250
BS EN 60332-1-2, BS EN 62230

Construction:

Conductor	: Class 6 extra flexible copper conductor to BS EN 60228 (previously BS 6360)
Insulation	: TPE (Thermoplastic Elastomer)
Sheath	: PVC (Polyvinyl Chloride) Type TM2 according to BS EN 50363

Characteristics:

Voltage Rating (Uo/U)	: 450/750V
Temperature Rating	: -20°C to +70°C
Min. Bending Radius	: 6 × overall diameter
Insulation Colour	: Red and Black
Sheath Colour	: Transparent

Electrical Characteristics:

Current Carrying Capacity

No. of Cores	Nominal Cross Sectional Area mm^2	Current Rating at 60°C Amps
2	6	54
2	10	73
2	16	98
2	25	129

De-Rating Factors:

Ambient Temperature	25°C	30°C	35°C	40°C	45°C
De-Rating Factor	1.00	0.96	0.9	0.88	0.83

To allow the operator to handle the cable during use, with suitable gloves, a maximum conductor temperature of 60°C is advisable.

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Conductors:

Class 6 Flexible Copper Conductors for Single Core and Multi-Core Cables

Nominal Cross Sectional Area mm^2	Stranding	Max. Diameter of Wires in Conductor mm	Max. Resistance of Conductor at 20°C
			Plain Wires Ω/km
6	8mm × 24mm × 0.19mm	0.21	3.3
10	19mm × 16mm × 0.19mm	0.21	1.91
16	19mm × 26mm × 0.19mm	0.21	1.21
25	19mm × 41mm × 0.19mm	0.21	0.78

The above table is in accordance with BS EN 60228 (previously BS 6360)

Dimensions:

Part Number	No of Cores	Nominal Cross Sectional Area mm^2	AWG Size	Nominal Thickness of Insulation mm	Nominal Thickness of Sheath mm	Nominal Over-all Diameter mm	Nominal Weight kg/km
PP000894	2	6	10	1	1	5.3 × 12.6	190
PP000895	2	10	8	1	1.2	6 × 13.8	294
PP000896	2	16	6	1	1.2	6.7 × 15.2	420
PP000897	2	25	4	1.1	1.3	8.1 × 18	627

Part Number Table

Description	Reel Length (m)	Part Number
Twinflex PVC Battery Cable	25	PP000894
		PP000895
		PP000896
		PP000897

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