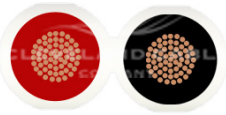


PVC BATTERY CABLE



APPLICATION

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.

CONSTRUCTION

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

CABLE STANDARDS

Figure of 8 sheath configuration based on VDE0250

BS EN 60332-1-2

CHARACTERISTICS

- Voltage Rating:** 450/750 Volts
- Temperature Limits:** -20°C to +70°C
- Minimum Bending Radius:** As per cable manufacturer datasheet
- Cores:** Black Red

Should not be installed at temperatures below 0°C

PVC BATTERY CABLE - DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM ²)	NUMBER OF CORES	THICKNESS OF INSULATION (MM)	NOMINAL THICKNESS OF SHEATH	WEIGHT (KG/KM)	OVERALL DIAMETER (MM)
BAT2X2/5	2.5	2	0.8	0.8	90	4.4 x 10.8
BAT2X4	4	2	0.8	0.8	120	6.5 x 14.5
BAT2X6	6	2	1	1	190	7.1 x 15.5
BAT2X10	10	2	1	1.2	294	7.9 x 17.6
BAT2X16	16	2	1	1.2	420	10.0 x 21.5
BAT2X25	25	2	1.1	1.3	627	11.2 x 24.3
BAT2X35	35	2	1.1	1.3	824	12.4 x 25.9
BAT2X50	50	2	1.2	1.4	1132	14.5 x 30.5
BAT2X75	70	2	1.6	1.6	1600	17.2 x 36.5
BAT2X95	95	2	1.6	1	208	18.4 x 38.6

PVC BATTERY CABLE- ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA MM ²	MAXIMUM DIAMETER OF WIRES IN CONDUCTOR MM	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C OHMS/KM	CURRENT RATING AT 60°C AMPS
2.5	0.16	7.98	32
4	0.16	4.95	42
6	0.21	3.3	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	0.386	198
70	0.31	0.272	245
95	0.31	0.206	292

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