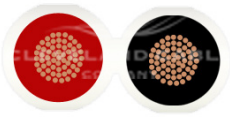


## PVC BATTERY CABLE



### 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 <sup>2</sup> )	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 <sup>2</sup>	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

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.