



PVC ISO 13297 Battery Cable

Application

Extra flexible sheathing to aid installation – low voltage single insulated battery/starter cable. Suitable for applications up to 60v, suitable for harsher environments such as marine applications. Did you know that according to international standard ISO 13297; Small Craft Electrical Systems, any DC electrical installation can use black or yellow to signify negative. However, installers **MUST** use yellow as the negative if an AC system is in the same craft. This is to clearly distinguish to engineers and maintenance personnel between the AC and DC circuits.

Conductor

Tinned copper in accordance with BS EN 60228:2005

Sheath

PVC

Voltage rating

60v max DC

Operating temperature

-15°C to 70°C

Minimum bend radius

<6x OD

BS softness

*21-24

Flame retardancy

Cores type tested, passed to IEC 60332-1-2

Chemical resistance

Resistant to petrol, lubricating oils and diluted acids

Shore A hardness

*87-89

Cold flex temperature

*-17 °C

Tensile strength @ 500mm/min

*14.4 MPa (IEC 811-1-1) varies

Elongation at break @ 500mm/min

*250% (IEC 811-1-1) varies

Volume resistivity @ 23°C

*1x10¹² ohm m

Environmental statement

AMC take every action possible to ensure we are a sustainable, and environmentally aware manufacturer. **End of life care;** ensure that all cable product is disposed of inline with relevant WEEE Regulations.

Part No.	Conductor Specification (mm)	Conductor Cross Section (mm ²)	Maximum Overall Diameter (mm)	Nominal Current Rating (Amps)	Maximum Resistance Per Metre at 20°C (Ohms)	Sheath Colours	Reel Sizes (Metres)
CM16Y	203/0.30	16	8.3	110	0.001240	Yellow	10, 50
CM25Y	322/0.30	25	10.1	170	0.000794		10, 50
CM35Y	455/0.30	35	11.8	240	0.000565		10, 50
CM50Y	637/0.30	50	13.3	345	0.000393		10, 50
CM70Y	912/0.30	70	15.5	485	0.000277		10, 30, 50
CM95Y	684/0.40	95	17.9	500	0.000210		10, 30, 50

The conductor specifications shown are representative configurations; actual cable strand may differ slightly, but will meet the resistance values shown. Nominal current amperage ratings are provided as a guide only, and can vary depending on the application, condition and environmental factors. If in doubt, please consult a qualified electrician.

* Indicates values of the sheathing not the finished cable.