



PVC Battery / Extra Flexible Cables

Application

Extra flexible sheathing to aid installation - low voltage single insulated battery / starter cable. Suitable for applications up to 60v, typically utilised in automotive and commercial applications.

Conductor

Bare copper in accordance with BS EN 60228:2005

Sheath

PVC

Voltage rating

60v max DC

Operating temperatures

Cores: -40°C to 105°C as per ISO 6722-1:2011 Class B

Outer Sheathing: -30°C to 70°C

Heat stability at 200°C

*60 min (Congo Red Method)

Minimum bend radius

<6x OD

BS softness

*60-65

Shore A hardness

*64-66

Tensile strength

*7.3 MPa (BS2782: method 320A) varies

Elongation at break

*370% (BS2782: method 320A) varies

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)	Resistance Per Metre at 20°C (Ohms)	Sheath Colour	Reel Sizes (Metres)
PVC16	203/0.30	16	8.3	110.0	0.00126	Black, Red	10, 30, 100
PVC20	266/0.30	20	9.0	135.0	0.00096	Black, Red	10, 30, 100
PVC25	322/0.30	25	10.1	170.0	0.00077	Black, Red	10, 30, 100
PVC35	455/0.30	35	11.8	240.0	0.00056	Black, Red	10, 30, 100
PVC40	539/0.30	40	12.7	300.0	0.00050	Black, Red	10, 30, 50
PVC50	637/0.30	50	13.3	345.0	0.00039	Black, Red	10, 30, 50
PVC60	805/0.30	60	15.0	415.0	0.00033	Black, Red	10, 30, 50
PVC70	912/0.30	70	15.5	485.0	0.00029	Black, Red	10, 30, 50
PVC95	684/0.40	95	17.9	500.0	0.00020	Black, Red	10, 50
PVC120	893/0.40	120	19.7	600.0	0.00015	Black, Red	10, 50
PVC150	1178/0.40	150	22.35	700.0	0.00011	Black, Red	10, 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 compounds not the finished cable.