


AMC BATT-FLEX PLUS

Application

PVC flexible battery cables, are designed for environments requiring high flexibility and reliability at sub-zero temperatures. They are widely used on construction sites for temporary power, portable tools, and lighting; in automotive and transport systems for battery leads, jumpers, and charging circuits; and in marine vessels for battery banks and starter motors. Industrial machinery and renewable energy systems also use them for flexible, high-current connections. Fine stranded copper conductors provide excellent current capacity, while the PVC sheath resists oils, chemicals, and fuels.

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.

Specification

Voltage	12v/24v – 60v Max DC
Cores	Class 5 Conductor
Sheath	PVC
Operating Temperature	-30° to 70°C
Min Bend Radius	<6x OD

Standards (Compliance / Certification)

BS EN 60228:2005

ISO6722-1:2011

IEC60332.1.2

Part No	Conductor Specification (mm)	Conductor Cross Section (mm ²)	Maximum Overall Diameter (mm)	Nominal Current Rating (Amps)	Max Resistance Per Metre at 20°C mΩ/m	Sheath Colour	Reel Sizes (Metres)
PVC16	203/0.3	16	8.25	110	1.210	Black, Red	10, 30, 100
PVC20	266/0.3	20	8.95	135	0.920	Black, Red	10, 30, 100
PVC25	322/0.3	25	10.05	170	0.780	Black, Red	10, 30, 100
PVC35	455/0.3	35	11.75	240	0.554	Black, Red	10, 30, 100
PVC40	539/0.3	40	12.7	300	0.527	Black, Red	10, 30, 50
PVC50	637/0.3	50	13.3	345	0.386	Black, Red	10, 30, 50
PVC60	805/0.3	60	14.95	415	0.330	Black, Red	10, 30, 50
PVC70	912/0.3	70	15.45	485	0.272	Black, Red	10, 30, 50
PVC95	684/0.4	95	17.9	500	0.206	Black, Red	10, 50
PVC120	893/0.4	120	19.7	600	0.161	Black, Red	10, 50
PVC150	1184/0.4	150	22.35	700	0.129	Black, Red	10, 50

Typical Applications



INVERTERS



MATERIAL HANDLING



AUXILIARY EQUIPMENT



TEMPORARY POWER SYSTEMS



BATTERY POWER



BATTERY BANKS



HEAVY INDUSTRIAL EQUIPMENT (AGRICULTURAL)

The cable has been tested according to ISO 6722-1:2011 under class A (-40°C to +85°C) for mechanical, electrical, thermal, and environmental performance, as well as for flame retardancy under IEC 60332-1-2 (NB: the conductor is not part of this declaration). The conductor has been separately tested to BS EN 60228:2005 to confirm dimensional checks and resistance values (maximum resistance is shown in the table above). 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, conditions, and environmental factors – if in doubt, please consult a qualified electrician.