Datasheet

AMC
The Connections Group

AMC OCEANFLEX® MARINE CABLES

Tinned Copper 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, suitable for harsher environments such as marine applications

Conductor
Tinned 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

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 (mm²)	Maximum Overall Diameter (mm)	Nominal Current Rating (Amps)	Maximum Resistance Per Metre at 20°c (Ohms)	Sheath Colours	Reel Sizes (Metres)
CM16	203/0.30	16	8.3	110	0.001240	Black, Red	10, 50
CM25	322/0.30	25	10.1	170	0.000794		10, 50
CM35	455/0.30	35	11.8	240	0.000565		10, 50
CM50	637/0.30	50	13.3	345	0.000393		10, 50
CM70	912/0.30	70	15.5	485	0.000277		10, 30, 50
CM95	684/0.40	95	17.9	500	0.000210		10, 30, 50
CM120	888/0.40	120	19.6	600	0.00011		30, 100

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.