



AMC OCEANFLEX-YDC

Application

Extra flexible sheathing assists with easier installation in low-voltage, single-insulated battery and starter cable applications. The cable is suitable for systems up to 60V and performs well in harsher environments, including marine applications. According to the international standard ISO 13297 (Small Craft Electrical Systems), DC electrical installations may use either black or yellow to indicate the negative conductor. However, if an AC system is present on the same craft, the negative DC conductor must be coloured yellow to clearly distinguish DC circuits from AC wiring for engineers and maintenance personnel.

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 (Tinned)
Sheath	PVC
Operating Temperature	-15° 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)	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

Typical Applications



BATTERY POWER (NEGATIVE ONLY)



INVERTERS



MATERIAL HANDLING



STARTER SYSTEMS



ENGINE ROOMS AND ENCLOSED AREAS

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.