


AMC COMMS

Application

An unjacketed twisted pair cable consists of insulated copper wire pairs twisted together without an outer PVC or polyethylene sheath. This design reduces cable diameter and weight, making it ideal for applications where space and integration are critical. Commonly used in electronics manufacturing for internal device wiring and circuit board connections, it also supports high-density backplane connectivity in servers and control systems. In aerospace and defence, the lightweight construction helps reduce overall system weight for avionics and internal signal transmission. Industrial automation applications include wiring within protected control panels, PLC systems, and integrated sensors. While cost-effective and space-saving, unjacketed twisted pair cables must be installed in protected environments to avoid damage from moisture, abrasion, or external conditions.

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	-40° to 105°C
Min Bend Radius	<6x OD
Lay Direction	Right
Lay Length	25mm

Standards (Compliance / Certification)

BS EN 60228:2005

ISO6722-1:2011 Class B

IEC60332.1.2

Part No	Conductor Specification (mm)	Conductor Cross Section (mm ²)	Maximum Overall Diameter (mm)	Nominal Current Rating (Amps)	Sheath Colour	Core Colours	Reel Sizes (Metres)
TWST02/02	2 x 16/0.20	2 x 0.5mm	3.2	11.0	None	Green, Yellow	30, 100, 5000

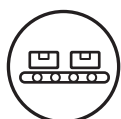
Typical Applications



SENSOR AND ACTUATORS



SECURITY SYSTEMS



INDUSTRIAL AUTOMATION



AUDIO & ENTERTAINMENT SYSTEMS



ROBOTICS



TELECOMMUNICATIONS

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.