


AMC COMMS

Application

A double twisted pair cable with clear binder tape and a PVC sheath is designed for reliable low-voltage signal transmission in control and communication systems. The two twisted pairs help minimise electromagnetic interference (EMI) and crosstalk, ensuring stable data and signal performance. The clear tape acts as a core binder or insulation separator, maintaining pair structure before the outer sheath is applied. A durable PVC sheath provides flexible, cost-effective protection for indoor installations and protected cable routes. Commonly used in industrial automation, the cable connects sensors, actuators, and PLC systems. It is also widely used in security and access control, building automation, telecommunications circuits, and audio-visual installations where dependable signal integrity is required.

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
Twisted Pair Lay Direction	Right
Twisted Pair Lay Length	25mm
Assembly Lay Direction	Left
Assembly Lay Length	125mm

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)	Sheath Colour	Core Colours	Reel Sizes (Metres)
TWST04/01	4 x 24/0.20	4 x 0.75mm	6.25	14	Black	Twist One – Blue, White / Twist Two – Brown, Black	2500

Typical Applications



SENSOR AND ACTUATORS



SECURITY SYSTEMS



INDUSTRIAL AUTOMATION



AUDIO & ENTERTAINMENT SYSTEMS



INSTRUMENTATION WIRING



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.