Multi-Core Tinned Copper Braid Data Cable

This multi-core cable is designed for data transmission and control in electronic systems. It is suitable for environments with high electrical interference.

Overview

High-Performance Data Transmission

This multi-core data cable is engineered for reliable signal transmission in control, instrumentation, and data processing systems. Featuring a tinned copper braid screen, it provides excellent protection against electromagnetic interference (EMI) while maintaining high flexibility. With a durable PVC jacket and flame-retardant properties, it is a robust solution for both fixed installations and applications requiring occasional movement.

Electrical Ratings

Rated Voltage

350 V	500 V
For 0.14mm²	For >0.14mm²

Test Voltage

1200 V/min	1500 V/min
<0.25mm²	e0.25mm²

Capacitance (Core/Core)	120 nF/km
Insulation Resistance (20°C)	e200MΩ/km

Mechanical Properties

Minimum Bending Radius

Application Type	Radius
Fixed Application	6D
Occasional Movement	15D

Environmental Performance

Operating Temperature

Application	Range
Fixed Application	-40°C ~ 80°C
Occasional Movement	-5°C ~ 70°C

Construction

Materials & Standards

- Conductor: Fine stranded bare copper (IEC 60228/VDE 0295)
- Insulation: PVC
- Shield: Tinned copper braiding
- Jacket: PVC (Grey, RAL7035)

Features

Key Features

Flame Resistant (IEC60332-1) • EMI Resistant • Flexible • Oil Resistant • Small Bending Radius