

Individually Shielded Twisted Pair Data Cable

This data cable is suitable for use in computer systems, electronic control equipment and assembly lines. It is intended for limited flexible use and is suitable for fixed application interiors in places with extremely high electrical interference.



Overview

Individually Shielded Data Cable

This individually shielded twisted pair data cable is designed for reliable signal transmission in demanding industrial environments. Featuring both individual aluminum foil shielding and an overall tinned copper braid, it offers excellent protection against external electromagnetic interference and crosstalk. The cable is constructed with a flexible PVC jacket and is flame-resistant, making it suitable for control units, computers, and machine tools in both dry and damp conditions.

Electrical Specifications

Rated Voltage

250 V

Rated Voltage

Test Voltage

Connection Type	Voltage
Core to Core	2000V/min (AC)
Core to Shield	1000V/min (AC)

Capacitance

- d70F/km (0.22mm² & 0.34mm²)
- d76F/km (0.5mm²)
- d86F/km (1.0mm²)

Insulation Resistance (at 20°C)

e6@m

Mechanical & Environmental

Temperature Range

Application Type	Temperature
Fixed Application	-40°C to 80°C
Occasional Movement	-5°C to 70°C

Minimum Bending Radius

Application Type	Radius
Fixed Application	10D (D=cable diameter)
Occasional Movement	20D (D=cable diameter)

Construction

Conductor Material	7 wires stranded bare copper (IEC 60228/VDE 0295)
Insulation Material	PE Insulation (Color: DIN 47100)
Shielding Configuration	Individual AL/Mylar foil, Overall tinned copper braiding
Jacket Color	Grey (RAL 7035)

Features

Key Features

Flame Resistant • EMI Shielded • Low Crosstalk • Oil Resistant