

RS-485 FD Communication Cable

This cable complies with the RS-485 communication protocol. Its design is suitable for complex controlled networks in industrial automation and building self-control network communication, with options for drag chain or frequent movement applications.



Overview

Industrial Data Transmission

The RS-485 FD communication cable is engineered for robust performance in industrial environments, ensuring reliable high-speed data transmission. Featuring a shielded construction with a foamed PE insulation, it effectively minimizes electromagnetic interference (EMI) to maintain signal integrity. Available with a durable PUR jacket, this cable offers exceptional resistance to oil, abrasion, and hydrolysis, making it suitable for demanding applications.

Electrical Characteristics

Test Voltage

1500 V

Test Voltage

Characteristic Impedance

120 Ω

Mechanical Specifications

Minimum Bending Radius

Application Type	Radius
Fixed Application	8D
Moved Application	15D

Temperature Range

Fixed Application	-40°C ~ 80°C (PUR)
Moved Application	-20°C ~ 70°C (PUR)

Construction

Cable Materials

- Conductor: Fine stranded bare copper
- Insulation: Foamed PE
- Shield: AL / Mylar screen and tinned copper braiding
- Jacket: PVC or PUR

Features

Standards Compliance

IEC60332-1

Key Features

Flame resistant, EMI resistant, Oil resistant, Abrasion resistant, Hydrolysis resistant, Halogen free (PUR)