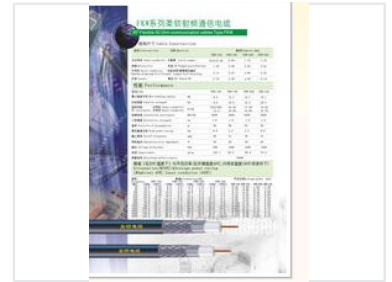


Data Transmission Communication Cable

This communication cable is designed for reliable data transmission. It features low attenuation, high shielding effectiveness, and excellent impedance control.



Overview

High-Performance Data Transmission

The FYW Series Physical Foam Communication Cables are engineered for high-integrity signal transmission in demanding B2B environments. Featuring a robust coaxial structure with physical foam insulation, these cables offer low attenuation and high shielding effectiveness of e90 dB. Designed with durable PVC sheathing and versatile conductor materials, they provide reliable performance across a wide range of working frequencies.

Key Performance Metrics

Key Performance Metrics

75 ©

Characteristic Impedance

90 dB

Shielding Coefficient

78 %

Nominal Rate

1000 V

Withstand Voltage

Technical Specifications

Model Comparison Table

Parameter	FYW-5	FYW-7	FYW-9	FYW-12
Conductor DC Resistance (@m)	100-120	34-38	18-20	10-12
High Frequency Attenuation (dB)	3.6	7.7	11	15
Attenuation @ 100m (dB)	19.1	32.5	50.4	72.9
Working Frequency (MHz)	4.6	4.6	4.7	4.7

Construction Materials

Material Composition

- Inner Conductor: Copper (Cu)
- Outer Conductor: Aluminum (Al)
- Sheath Material: PVC
- Shielding: Aluminum Foil Structure
- Insulation: Physical Foam

Customization

Custom Coaxial Structure • Special Structure Design • Radiant Aluminum Foil

Electrical Characteristics

Nominal Capacitance	51.8 pF/m
Inductance Value	0.3 μ H/m
Return Loss	e20dB

Mechanical Properties

Peeling Force	e2N
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