



Optical Fiber CABLE

TECHNICAL DATA SHEET

**Armoured Multi-purpose Distribution
Cabling Cable GYPFJKY**



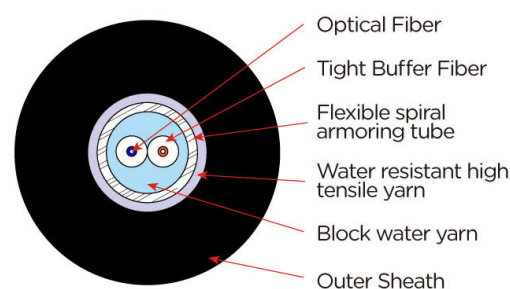
Armored Multi-purpose Distribution Cabling

Cable GYPFJKY

Product Description:

Description

The GYPFJKY Armoured Multi-purpose Distribution Cabling Cable is a robust fiber optic cable designed for indoor and outdoor distribution applications where enhanced mechanical protection is required. Its armored construction provides improved resistance to crushing, impact, rodent damage, and installation stresses while maintaining reliable optical transmission.



The cable is suitable for distribution, access, building backbone, data communication, and telecommunication networks.

Features

- Armoured construction for enhanced mechanical protection
- Suitable for indoor and outdoor applications
- High resistance to crushing and impact
- Improved protection against rodent damage
- Suitable for direct installation and distribution applications
- Compact and flexible construction
- High tensile strength



- Good bending performance
- Excellent environmental resistance
- Reliable optical transmission
- Suitable for high-density distribution networks
- Easy installation and termination
- Available in multiple fiber counts

Applications

- **Distribution Networks** – Fiber distribution and connectivity
- **FTTx** – Fiber access networks
- **Building Backbone** – Inter-floor and building backbone connections
- **Data Centers** – High-density fiber distribution
- **Telecommunication Networks** – Indoor/outdoor optical links
- **Access Networks** – Local fiber distribution
- **Industrial Networks** – Areas requiring enhanced cable protection

General Specifications

Parameter	Specification
Product Name	Armoured Multi-purpose Distribution Cabling Cable
Model / Part No.	GYPFJKY
Cable Type	Armoured Distribution Fiber Optic Cable
Fiber Type	Single-Mode / Multimode
Installation	Indoor / Outdoor
Application	Distribution / Access
Cable Construction	Armored
Strength Member	According to cable design
Aarmor	Metallic protective layer
Outer Sheath	PE / LSZH
Sheath Color	Black
Cable Structure	Multi-purpose Distribution

Cable Construction

Component	Specification
Optical Fiber	According to specified fiber type
Fiber Coating	250 μm
Fiber Protection	Tight Buffer / Loose Tube
Strength Member	FRP / Aramid Yarn
Armor	Metallic Armor
Water Protection	Water-Blocking Material
Outer Sheath	PE / LSZH
Outer Sheath Color	Black
Cable Structure	Armored Distribution

Optical Fiber Characteristics — Single-Mode

Parameter	Specification
Fiber Type	G.652.D
Core / Cladding	9/125 μm
Operating Wavelength	1310 / 1550 nm
Typical Attenuation @1310 nm	≤ 0.35 dB/km

Typical Attenuation @1550 nm	≤ 0.21 dB/km
Maximum Attenuation @1310 nm	≤ 0.40 dB/km
Maximum Attenuation @1550 nm	≤ 0.30 dB/km
Cladding Diameter	125 ± 1.0 μ m
Coating Diameter	245 ± 10 μ m
Cable Cut-off Wavelength	≤ 1260 nm

Environmental Characteristics

Parameter	Specification
Operating Temperature	-40°C to +70°C
Installation Temperature	-20°C to +60°C
Storage Temperature	-40°C to +70°C
UV Resistance	Yes
Water Resistance	According to construction
Rodent Resistance	Yes
Installation Environment	Indoor / Outdoor