

Micro Tube Indoor Outdoor Drop Riser Fiber optic Cable for Building Wiring (GJPFXJH)

The cable consists of 12, 24, 48 or 96 bend insensitive G657.A2/B2 optical fibers protected with easy-strip buff er compound. The fiber units are protected by a flame retardant Afumex (LSOH) outer sheath. During the sheathing process, two Glass Reinforced Plastic (GRP) rods are included. The cable is also available with a UV resistant sheath for external installation.

Micro Tube Indoor Outdoor Drop Fiber optic Cable is a popular fiber cable in the market. The drop fiber cable uses multiple 900um flame-retardant tight buffer fibers as optical communication medium, two parallel Fiber Reinforced Plastic (FRP) are placed at the two sides as strength member, then the cable is completed with a flame-retardant LSZH (low smoke, zero halogens, flame-retardant) jacket.

Features

Fiber type: ITU-T- G652D, G657A fiber, G657B fiber

It has good mechanical and environmental performance

Flame (or not flame retardant) performance to meet the requirements of the standard

Mechanical and physical properties of the sheath to meet the relevant standards Soft, flexible and convenient

Good structure design, easy for branching and splicing

Small size and light weight, easy for installation

LSZH sheath ensuring good flame-retardant performance

Especially applicable to vertical wiring in buildings

Application

Used as access building cable in premises distribution system, especially used in indoor or outdoor aerial access cabling.

Adopted to core network;

access network, fiber to the home;

Building to building installation

Construction

Dielectric (single & dual jacket)

Flame Rating:

Riser (OFNR / OFCR / FT4)

Fiber Count:

12(6x2f), 16(8x2f), 24(12x2f), 36(18x2f), 48(24x2f), 72(36x2f) and 96(48x2f)

Fiber Type

Single-mode (ESMF, bend-insensitive)

Transmission Characteristics: G657A2

Transmission Characteristics. Gos/Az			
Characteristics	Conditions	Specified Values	Units
Geometrical characteristics			
Cladding diameter		125.0±0.7	μm
Cladding non-circularity		≤0.7	%
Coating diameter		242±5	μm
Coating/cladding concentricity error		<12	μm
Core/cladding concentricity error		≤0.5	μm
Curl		≥4	m



Optical characteristics Attenuation 1310nm ≤0.4 dB/km 1383nm dB/km ≤0.4 1490nm dB/km ≤0.3 1550nm ≤0.3 dB/km 1625nm ≤0.3 dB/km Attenuation vs. Wavelength 1285~1330nm ≤0.03 MHz*km max. A difference 1525~1575nm ≤0.02 MHz*km Dispersion coefficient 1550nm ≤18 ps/(nm*km) 1625nm ≤22 ps/(nm*km) 1304~1324 Zero dispersion wavelength nm Zero dispersion slope ≤0.092 ps/(nm2*km) Polarization mode dispersion PMD maximum individual fiber ≤0.1 ps/km1/2 ≤0.04 ps/km1/2 PMD design link value Cable cut off wavelength ≤1260 nm 1310nm Mode field diameter 8.8~9.6 lum 1550nm 9.9~10.9 μm Group index of refraction 1310nm 1.4691 1550nm 1.4696 Environmental characteristics 1310nm、1550nm&1625nm Temperature cycling -60°C to +85°C ≤0.05 dB/km Temperature-humidity cycling -10℃ to +85℃4% to 98% RH ≤0.05 dB/km 23℃, 30 days dB/km Water immersion ≤0.05 ≤0.05 dB/km Dry heat 85℃, 30 days 85℃, 85%RH, 30 days ≤0.05 dB/km Damp heat Mechanical specification ≥100 Proof test kpsi Macro bending induced loss 1550nm dB 1Turns @10mm Radius ≤0.5 1Turns @10mm Radius 1625nm ≤1.5 dΒ dB 10Turns @15mm Radius 1550nm ≤0.05 1625nm dΒ 10Turns @15mm Radius ≤0.30





100Turns @25mm Radius 1310&1550&1625 nm ≤0.01 dB

Dynamic stress corrosion susceptibility parameter 20