

Temperature Range
 Operating : -40°C to +70°C
 Storage : -50°C to +70°C
 Installation : -30°C to +70°C
 Bending Radius:
 Static 10D
 Dynamic 20D

Description

Armored Uni-Tube Single Jacket/Single Armor fiber optic cable with fibers placed in loose buffer tube. The cable core is protected with a corrugated steel tape armor and cover with a black polyethylene out jacket. Two embedded steel wire provide desire tension.

Product Construction

Fiber:
2-24 fibers
Uni-loose tube gel-filled

Armor:
Corrugated steel tape

Strength Member:
Embedded steel wire

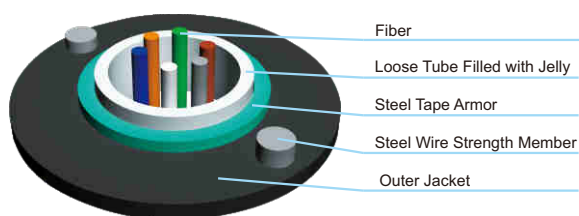
Outer Jacket:
Black UV-and moisture-resistant polyethylene (PE).

Features

Uni-tube gel-filled construction for superior fiber protection.
 Metallic armor to protect cable from rodent attack and mechanical damage.
 Embedded steel wire provide desirable tensile strength and crush resistance.
 Compact, easy to install.
 UV and moisture-resistant design.

Applications

Interbuilding voice or data communication.
 Installed in duct, underground conduit.
 FTTx.



Cable Structure

Optical Characteristics

| Fiber Type | | G.652 | G.655 | 50/125μm | 62.5/125μm |
|------------------------------------------|---------|-------------|-------------|----------------|----------------|
| Attenuation (+20°C) | 850 nm | | | ≤3.0 dB/km | ≤3.3 dB/km |
| | 1300 nm | | | ≤1.0 dB/km | ≤1.0 dB/km |
| | 1310 nm | ≤0.36 dB/km | ≤0.40 dB/km | | |
| | 1550 nm | ≤0.22 dB/km | ≤0.23 dB/km | | |
| Bandwidth | 850 nm | | | ≥500 MHz·km | ≥200 Mhz·km |
| | 1300 nm | | | ≥500 MHz·km | ≥500 Mhz·km |
| Numerical Aperture | | | | 0.200±0.015 NA | 0.275±0.015 NA |
| Cable Cut-off Wavelength λ _{cc} | | ≤1260 nm | ≤1450 nm | | |

Structure and Technical Specifications

| Fiber Count | Nominal Diameter (mm) | Nominal Weight (kg/km) | Allowable Tensile Load (N) | | Allowable Crush Resistance (N/100mm) | |
|-------------|-----------------------|------------------------|----------------------------|-----------|--------------------------------------|-----------|
| | | | Short Term | Long Term | Short Term | Long Term |
| 2~12 | 7.8 | 60 | 1500 | 600 | 1000 | 300 |
| 14~24 | 8.5 | 85 | 1500 | 600 | 1000 | 300 |

Note : This datasheet can only be a reference, but not a supplement to the contract. Please contact our sales people for more detailed information.