

Overview

Cablewholesale Indoor/outdoor Tight-Buffered Distribution Cable contains several tight-buffered fibers bundled under the same jacket with kevlar strength members to stiffen the cable and prevent kinking.

With aramid yarn as a reinforcing member, the cable is light weight, softness and easy to peel. It is widely used as pigtails and jumpers for communication equipment.

Application

- Widely used in FTTH access network
- Telecommunication Networks
- CCTV Networks
- Data Communications Networks
- Local Area Networks

Features

- Widely used between wiring closet and equipment rooms
- Tested to meet or exceed TIA&GR-409-CORE standards
- Non-unitized tight-buffered distribution indoor cable
- Light weight and buffered to 900µm for easy stripping and handling
- Characteristic of fiber color: blue/orange/green/brown /grey/white/red/black/yellow/purple/pink/aqua
- Choice of jacket

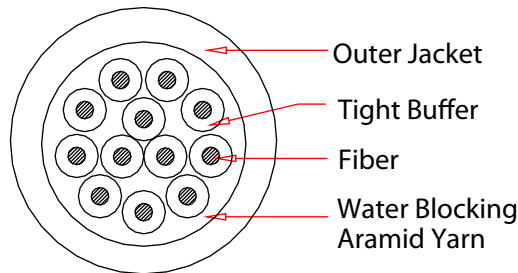
Environmental characteristics

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|--|-----------------------|-------------|
| Temperature dependence Induced attenuation | -40~75°C | ≤0.05 dB/km |
| Temperature-humidity cycling Induced attenuation | -10~+75°C, 90%R.H | ≤0.05 dB/km |
| Damp heat dependence Induced attenuation | 85°C,85%, R.H.,30days | ≤0.05 dB/km |
| Watersoak dependence Induced attenuation | 20°C for 30 days | ≤0.05 dB/km |
| Temperature Range | Operating Temperature | -20~75°C |
| | Storage Temperature | -40~80°C |

Cable Parameters

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|--------------------|----------------------|
| Product | Multimode 50/125 OM3 |
| Fiber Count | 12 cores |
| Fiber Type | CORNING Glass |
| Strength Member | Aramid Yarn |
| Cable Type | Tight Buffer |
| Outer Jacket Color | Black |
| Outer Jacket | Plenum Rated |

RoHS



Cross Section

| Rev. | Description | Date |
|------|-------------|---------|
| A | | 12-2021 |

Technical Parameter(12 Fiber Count)

| | | |
|--------------------------|------------|-----|
| Outer Diameter (mm) | 6.5±0.2 | |
| Nomial Weight(kg/km) | 38 | |
| Max.Tensile Strength(N) | Short-term | 600 |
| | Long-term | 200 |
| Min. Bending Radius (mm) | Short-term | 20D |
| | Long-term | 10D |
| Max.Crush Resistance | 1000 | |

Optical Characteristics

| | |
|--|----------------------------|
| Fiber Type | OM3 50/125µm |
| Wavelength | 850nm/1300nm |
| Attenuation(dB/km) | 850nm ≤3.0 1300nm ≤1.0 |
| Overfilled Modal Bandwidth (MHz.km) | 1300nm ≥1500 850nm ≥500 |
| Cladding diameter(µm) | 125±1.0 |
| Cladding material | siO2 |
| Cladding non-circularity(%) | ≤1.0 |
| Coating/cladding concentricity error(µm) | ≤12.5 |
| Coating diameter(µm) | 242±7 |
| Core diameter(µm) | 50±2.5 |
| Core non-circularity(%) | ≤6.0 |
| Core/cladding concentricity error(µm) | ≤1.5 |
| Serial 1 Gigabit Ethernet | 1000m/600m |
| Serial 10 Gigabit Ethernet | 300m |
| 40&100 Gigabit Ethernet 850nm | 100m |

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|--------------|---|--|
| Item Number: | 11F3-312NH | |
| Title: | 12 Fiber Indoor/Outdoor Fiber Optic Cable, Multimode 50/125 OM3, Plenum Rated, Black, Spool, 1000ft | |
| Drawn by: | JL | |
| Approved by: | MAC | |
| ID: | 399 | |