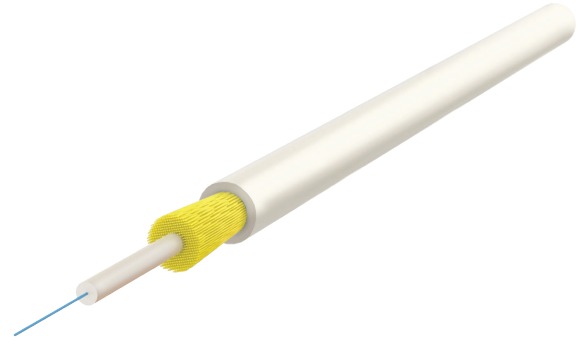


Drop Fiber Cable 2.4 mm

Design Type I-V(ZN)H Indoor 2.4 mm

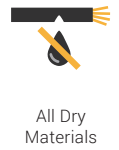
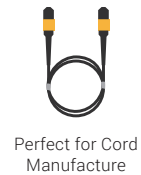
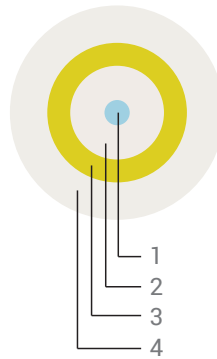
Properties

- Metal free indoor cable
- Completely dry design
- For direct connector assembly
- High flexibility and light weight
- Halogen free and non-corrosive fire gases
- Low fire load for high safety requirements
- Jacket material in accordance with UL 94V-0



Cable Construction

| | |
|--------------------------|-------------|
| 1 Fiber | SM (250 μ) |
| 2 Semi-Tight Buffer Tube | 900μ LSZH |
| 3 Strength Member | Aramid yarn |
| 4 Outer Jacket | LSZH |



Sheath Marking

| | | |
|--------------------|---|--------------------------------|
| Print Color/Method | Black / Ink-Jet | (length marking 1 m intervals) |
| Cable Printing | Manufacturer name, fiber count, fiber type, product code, cable type, date, meter marking | |

Optical Characteristics and Physical Properties

| Fiber Type | | ITU-T G.657 B3 |
|-------------------------------------|--|----------------|
| Jacket Color | - | Ivory |
| Mode Field Diameter (μm) | @1310 nm | 8.8 ±0.4 |
| | @1550 nm | 9.8 ±0.5 |
| Cladding Diameter (μm) | - | 125 ±0.7 |
| Primary Coating Diameter (μm) | - | 242 ±5 |
| Attenuation (max. in cable) (dB/km) | @1310 nm | ≤ 0.35 |
| | @1550 nm | ≤ 0.21 |
| Attenuation with Bending (dB/km) | 1 turn on 10 mm radius mandrel @1550 nm | ≤ 0.05 |
| | @1625 nm | ≤ 0.1 |
| | 1 turn on 7.5 mm radius mandrel @1550 nm | ≤ 0.08 |
| | @1625 nm | ≤ 0.15 |
| | 1 turn on 5.0 mm radius mandrel @1550 nm | ≤ 0.15 |
| | @1625 nm | ≤ 0.25 |

Mechanical and Environmental Properties

| Test | Test Conditions | Value | Unit | Method |
|-----------------------|---------------------|------------|--------|--------------------|
| Tube Diameter | - | 0.9 | mm | IEC 60811-203 |
| Cable Diameter | - | 2.4 ±0.1 | mm | IEC 60811-203 |
| Approx. Weight | - | 6.0 ±0.5 | kg/km | - |
| Max. Tensile Strength | During installation | 400 | N | IEC 60794-1-2 E1 |
| | In service | 200 | | |
| Min. Bending Radius | During installation | 5.0 | mm | IEC 60794-1-2 E11 |
| | In service | 7.5 | | |
| Crush Resistance | Short term | 400 | N/dm | IEC 60794-1-2 E3 |
| | Long term | 200 | | |
| Impact Resistance | Wp=1.0 J | 3 | impact | IEC 60794-1-2 E4 |
| Repeated Bending | r=25mm | 5000 | cycles | IEC 60794-1-2 E6 |
| Temperature Range | During installation | -10 to +60 | °C | IEC 60794-1-22 F12 |
| | In service | -25 to +70 | | |
| | In storage | -25 to +70 | | |

Combustion Properties

| Fiber Type | Test Conditions | Value | Unit | Result | Method |
|-------------------|----------------------------|-------|------|--------|---------------|
| Fire Load | - | 0.17 | Mj/m | - | - |
| Fire Propagation | On a vertical single cable | - | - | passed | IEC 60332-1-2 |
| Smoke Density | - | - | - | passed | IEC 61034-2 |
| Halogen Acid Gas | Jacket material | - | - | passed | IEC 60754-1 |
| Degree of Acidity | Jacket material | - | - | passed | IEC 60754-2 |

Cable Coding System

| Type | Fiber Count | Cable Type | Diameter | Buffer Type | Fiber Type | Sheath Mat. | Color |
|-----------|-------------|-------------|------------|--|-----------------|-------------|--------------|
| Indoor: I | 1 Fiber: 01 | Simplex: SX | 2.4 mm: 24 | S-Tight 900µm: S9H Tight 900µm: T9H | SM G.657 B3: B3 | LSZH: H | Ivory: IV B3 |