

Flat Steel Drop Cable up to 4 Fibers

Design Type U-(ZM)H Universal 2.0x3.0 mm

Properties

- Completely dry design
- 1-2-4 Fibers Option
- Enforced with Steel Wire Strength Member
- Halogen free and non-corrosive fire gases
- Low fire load for high safety requirements
- LSZH - FR, UV Resistant Outer Jacket

Cable Construction

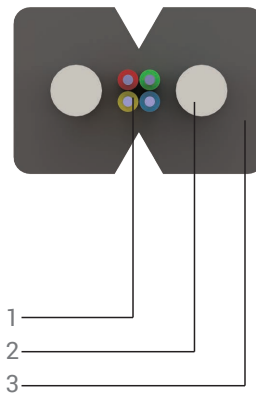
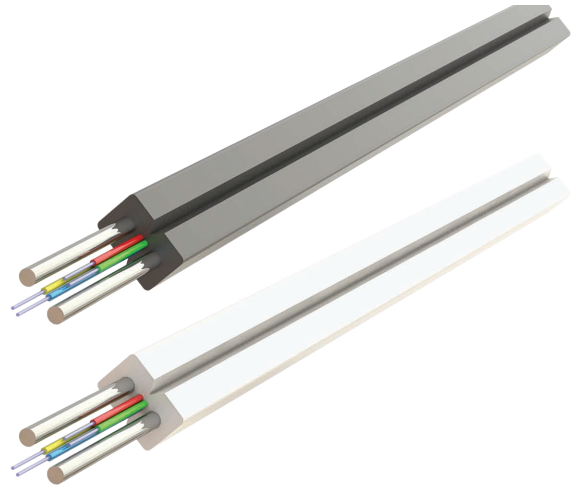
| | |
|-------------------|-------------------------|
| 1 Fiber | SM (250 μ) |
| 2 Strength Member | FeZn Wire |
| 3 Outer Jacket | LSZH - FR, UV Resistant |

Sheath Marking

| | | |
|--------------------|---|--------------------------------|
| Print Color/Method | White / 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

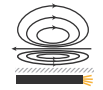
| Fiber Type | A2 | Unit |
|-------------------------------|------------------|-------|
| Jacket Color | Black or White | - |
| Core Diameter (μm) | 9.0 ±0.5 | μm |
| Cladding Diameter (μm) | 125 ±5.0 | μm |
| Primary Coating Diameter (μm) | 245 ±10 | μm |
| Attenuation | ≤ 0.40 (850 nm) | dB/km |
| max. in cable) | ≤ 0.30 (1300 nm) | dB/km |



Flame Retardant



All Dry Materials



All Dielectric Construction

Mechanical and Environmental Properties

| Test | Test Conditions | Value | Unit | Method |
|-----------------------|---------------------|------------|--------|-------------------|
| Fiber Diameter | - | 0.25 | mm | IEC 60811-203 |
| FRP Diameter | - | 0.5 ± 10% | mm | IEC 60811-203 |
| Outer Jacket Diameter | - | 2.0 x 3.0 | mm | IEC 60811-203 |
| Approx. Weight | - | 10.0 ± 10% | kg/km | - |
| Max. Tensile Strength | During installation | 200 | N | IEC 60794-1-2 E1 |
| | In service | 100 | | |
| Min. Bending Radius | During installation | 20 | mm | IEC 60794-1-2 E11 |
| | In service | 15 | | |
| Crush Resistance | Short term | 4000 | N/dm | IEC 60794-1-2 E3 |
| | Long term | 2000 | | |
| Impact Resistance | Wp=2,21J | 3 | impact | IEC 60794-1-2 E4 |
| Repeated Bending | r=100mm, 1 kg | 100 | cycles | IEC 60794-1-2 E6 |
| Temperature Range | During installation | +5 to +50 | | IEC 60794-1-22 F1 |
| | In service | -30 to +70 | °C | |
| | In storage | -30 to +70 | | |

Combustion Properties

| Property | Test Conditions | Value | Unit | Result | Method |
|-------------------|----------------------------|-------|------|--------|---------------|
| Fire Load | - | 1.15 | 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 |
|--------------|---|-------------------|------------------|--------------------------|-----------------|-------------|------------------------------|
| Universal: U | 1 Fiber: 01 2 Fibers: 02 4 Fibers: 04 | Steel Drop: SD | 2.0x3.0 mm: 2030 | Bare Fiber 250µm: B25 | SM G.657 A2: A2 | LSZH: H | Black: BK A2 White: WH A2 |