

# FTTH DROP CABLE

## Description

RFI Indoor FTTH Drop Cable is a Bend Insensitive cable. The 250um fibers are positioned in the centre. Two parallel Fiber Reinforced Plastic (RFP) or Steel Wires are placed at the two sides to improve the strength of the cable. A steel wire can be added to the cable to further improve the tensile or act as a messenger if required. The cable is complete with a lack LSZH sheath.

### Application

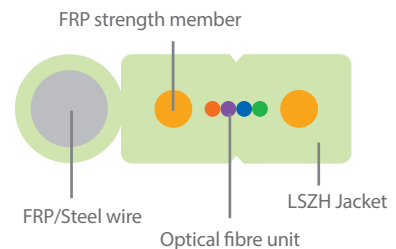
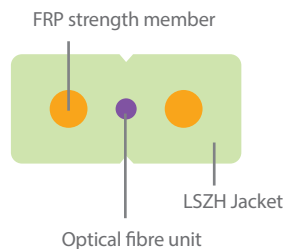
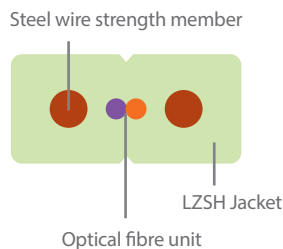
Indoor FTTH, horizontal, vertical and backbone connectivity.

### Standard and Compliance

- ISO/IEC 11801
- TIA/EIA 568B
- IEC 60794-1
- ITU Recommendation G657A
- IEC 60332-1

### Characteristics

- Novel flute design easy stripping, installation and maintenance.
- Excellent flame retardant performance.
- Additional steel wire for additional strength member if required.
- Special low-bend-sensitivity fiber provides high bandwidth and excellent communications transmission property.
- Compatible with OS2 G652D single mode fiber.
- Meets ITU-G657A recommendation



## Physical Properties

|                            | Without Steel Wire | With Steel Wire |
|----------------------------|--------------------|-----------------|
| Tensile Strength, N        | Long Term          | 40              |
|                            | Short Term         | 80              |
| Crush Resistance, N/100 mm | 1000               | 2200            |
| Min. Cable Bend Radius, mm | 15                 |                 |
| Min. Fiber Bend Radius, mm | 7.5                |                 |
| Operating Temperature      | -20°C to +60°C     |                 |

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## Optical Properties

|                              |                  | G657A        |
|------------------------------|------------------|--------------|
| Attenuation (+ 20°C) Typical | @ 1310 nm        | ≤ 0.35 dB/km |
|                              | @ 1383 nm        | ≤ 0.35 dB/km |
|                              | @ 1460 nm        | ≤ 0.25 dB/km |
|                              | @ 1550 nm        | ≤ 0.21 dB/km |
|                              | @ 1625 nm        | ≤ 0.23 dB/km |
| Attenuation (+ 20°C) Typical | @ 1285 ~ 1330 nm | ≤ 0.03 dB/km |
|                              | @ 1525 ~ 1575 nm | ≤ 0.02 dB/km |

## Ordering information

| Part No.        | Description  |
|-----------------|--|
| RCF-F0F6002-10x | 2-core Single Mode G657A1 Indoor LSZH FTTH Cable, FRP Strength Member, 1Km         |
| RCF-F0F6004-10x | 4-core Single Mode G657A1 Indoor LSZH FTTH Cable, FRP Strength Member, 1Km         |
| RCF-F0S6002-10x | 2-core Single Mode G657A1 Indoor LSZH FTTH Cable, Steel wire Strength Member, 1Km  |
| RCF-F0S6004-10x | 4-core Single Mode G657A1 Indoor LSZH FTTH Cable, Steel wire Strength Member, 1Km  |
| RCF-FMF6002-50x | 2-core Single Mode G657A1 Outdoor LSZH FTTH Cable, FRP Strength Member, 1Km        |
| RCF-FMF6004-50x | 4-core Single Mode G657A1 Outdoor LSZH FTTH Cable, FRP Strength Member, 1Km        |
| RCF-FMS6002-50x | 2-core Single Mode G657A1 Outdoor LSZH FTTH Cable, Steel wire Strength Member, 1Km |
| RCF-FMS6004-50x | 4-core Single Mode G657A1 Outdoor LSZH FTTH Cable, Steel wire Strength Member, 1Km |

\*x = E, F, H, M, Q, R

\*Other length available upon request.