INDOOR 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 steelw ire 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

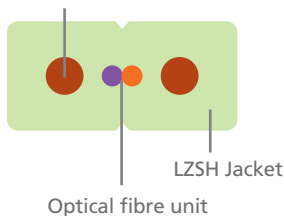Indoor FTTH, horizontal, vertical and backbone connectivity.

Standard and Compliance

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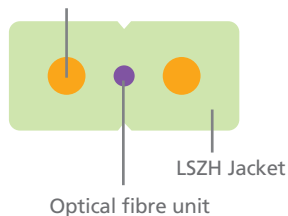- ITU Recommendation G657A   •   IEC 60332-1

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.
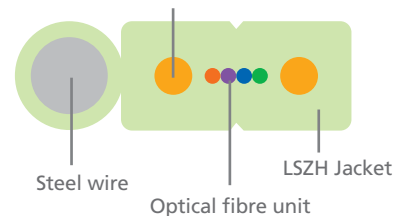- Meets ITU-G657A recommendation

Steel wire strength member

LZSH Jacket

Optical fibre unit

FRP strength member

LSZH Jacket

Optical fibre unit

FRP strength member

Steel wire

LSZH Jacket

Optical fibre unit

Physical Properties

		Without Steel Wire	With Steel Wire
Tensile Strength, N	Long Term	40	300
	Short Term	80	600
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-F006002-10	2-core Single Mode G657 Indoor FTTH Cable, FRP Strength Member, LSZH, IEC 60332-1
RCF-F006004-10	4-core Single Mode G657 Indoor FTTH Cable, FRP Strength Member, LSZH, IEC 60332-1
RCF-F0S6002-10	2-core Single Mode G657 Indoor FTTH Cable, Steel Wire Strength Member, LSZH, IEC 60332-1
RCF-F0S6004-10	4-core Single Mode G657 Indoor FTTH Cable, Steel Wire Strength Member, LSZH, IEC 60332-1
RCF-FW06002-10	2-core Single Mode G657 Indoor FTTH Cable w/ Steel Wire Messenger, LSZH, IEC 60332-1
RCF-FW06004-10	4-core Single Mode G657 Indoor FTTH Cable w/ Steel Wire Messenger, LSZH, IEC 60332-1

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