

Applications

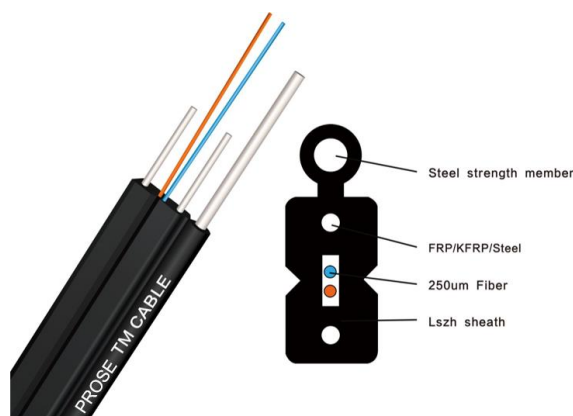
PROSE Steel Self-supporting FTTH outdoor fiber Optic is constructed with one or two single-mode fiber. The cable is protected by a dielectric strength member, The optical fiber is located in the center, with two parallel non-metal strengthening elements (FRP) placed on both sides, and a steel wire strengthening element attached to the outside, and finally, the black or colored low-smoke halogen-free sheath is extruded to form the cable, suitable for direct aerial installation into the houses in FTTH projects.

FTTH outdoor cable has a much greater bandwidth to carry data and less susceptible to interference than common indoor fiber cables, and it's ideal for outdoor cabling, end users directly cabling, and access network.

Feature/Characteristic

- Special bending fiber provides greater bandwidth and enhances network transmission characteristics
- Two parallel FRPS make the cable have good compression performance and protect the fiber
- Single steel wire with reinforcement element, so that the cable has good tensile performance
- Cable structure is simple, light weight, strong practicability
- Unique groove design, easy to peel, easy to connect, simplify installation and maintenance
- Low smoke halogen-free flame retardant sheath, environmental protection

Profile/Outline



Optical Parameters

Fiber Type		G657A1	G657A2	OM3	OM4
Attenuation(dB)	Typical : 1310/1550nm	0.36/0.22	0.36/0.22	----/----	----/----
	Maximum :1310/1550nm	0.5/0.4	0.5/0.4	----/----	----/----
	Typical : 850/1300nm	----/----	----/----	3.0/1.0	3.0/1.0
	Maximum : 850/1300nm	----/----	----/----	3.5/1.5	3.5/1.5
OFL Bandwidth 850/1300nm (MHz·km)		----/----	----/----	≥1500/≥500	≥3500/≥500
Effective modal bandwidth 850nm(MHz·km)		----/----	----/----	≥2000/----	≥4700/----
10 Gigabit Ethernet SX (MHz·km)		----/----	----/----	≤300/----	≤550/----
40GBASE-SR4/100GBASE-SR10		----/----	----/----	----/----	----/----
Min bend radius(mm)		10	7.5	30	30

Mechanical Parameters

Fiber Count	1	2
Optical cable Size (mm)	$(2.0 \pm 0.1) \times (5.0 \pm 0.1)$	$(2.0 \pm 0.1) \times (5.0 \pm 0.1)$
Allowable tensile force: Long/Short term (N)	300/600	300/600
Allowable flattening force: Long/short term (N/100mm)	1000/2200	1000/2200
Bending radius: Dynamic/static (mm)	15/30	15/30
Optical cable reference weight (kg/km)	20	20

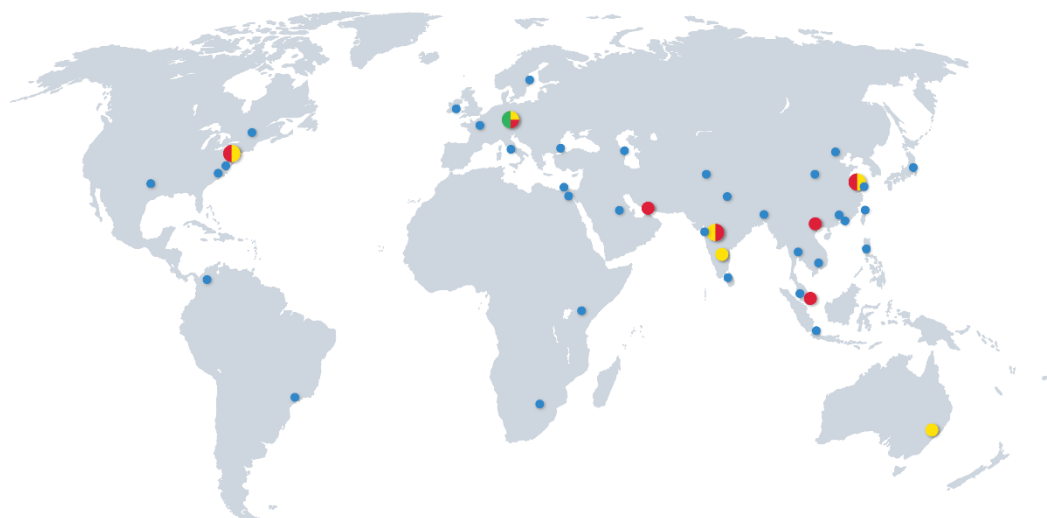
Ordering Information

Category	Cable Structure	Fiber Type	Outer Sheath Material	Fiber Count
FC: Fiber Cable	13: Steel Self-supporting FTTH Cable (1-2F)	GD: SM G652D M3: MM OM3 M4: MM OM4 M5: MM OM5	2: LSZH 60332-1	01:1F 02:2F

For Example:

Order Number	Fiber count	Description
FC13-GD2001	1	Cable, Outdoor, Steel Self-supporting FTTH, 1F, SM G652D, LSZH
FC13-GD2002	2	Cable, Outdoor, Steel Self-supporting FTTH, 2F, SM G652D, LSZH
FC13-M32001	1	Cable, Outdoor, Steel Self-supporting FTTH, 1F, MM OM3, LSZH
FC13-M32002	2	Cable, Outdoor, Steel Self-supporting FTTH, 2F, MM OM3, LSZH
FC13-M42001	1	Cable, Outdoor, Steel Self-supporting FTTH, 1F, MM OM4, LSZH
FC13-M42002	2	Cable, Outdoor, Steel Self-supporting FTTH, 2F, MM OM4, LSZH

GLOBAL FOOTPRINT



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