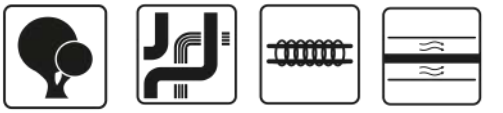
WAVEOPTICS

TECHNICAL DATA SHEET
OUTDOOR CABLE

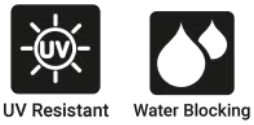
Loose Tube All-Dielectric Slim Cable Gel-Filled

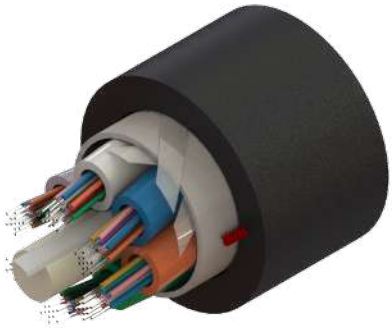
FOSPC-XXX-F-SJAD-EX / 36-144 Fibers

Applications



Protections





LOOSE TUBE ALL-DIELECTRIC SLIM CABLE GEL-FILLED 72F G652.D FIBER MT

Description

Loose tube all-dielectric Slim cables Gel-Filled are the most commonly-deployed outdoor cables, because of its price and its installation flexibility, since these cables can be installed both in aerial (lashed) installations as well as in ducts through the following techniques: air-blown, jetted or pulled into a duct.

Waveoptics® Loose Tube Slim Cable has a reduced weight design and smaller diameter that allows the usage of smaller ducts.

Loose tubes are more flexible and allow an easier installation and routing, and are filled with water blocking gel.

PE single jacket with additives makes a resistant, durable and easy to strip cable, providing superior protection against UV radiation, fungus, abrasion and other environmental factors.

The SZ-stranded method for loose tubes and two ripcords ensure a quick and easy mid-span access.

Dielectric central strength member requires no bonding or grounding.

Quality

Waveoptics® is a ISO-9001:2015 certified company.
We meet or exceed the following international standards:

- IEC 60794: Basic requirements for optical fiber and cable elements.

Each Waveoptics® cable meets the highest quality standards in the industry and contains a compliance certificate in which the performed tests in our quality laboratory are physically attached.

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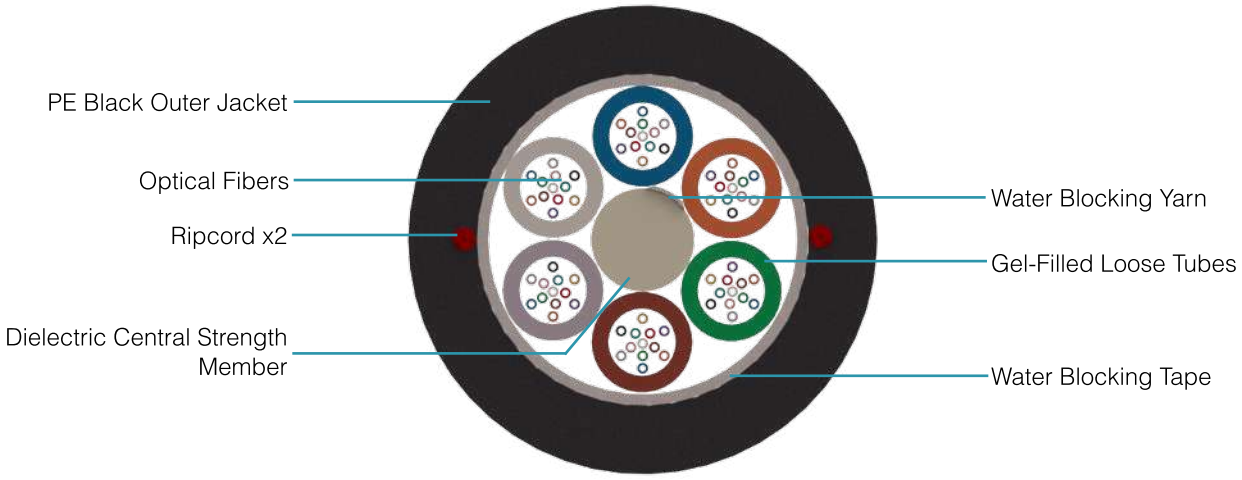
FOSPC-XXX-F-SJAD-EX / 36-144 Fibers

Dimensions & Properties



Design	
Fiber per Tube	12
Fiber Color Code / loose tube color code	1 2 3 4 5 6 7 8 9 10 11 12
Dielectric Central Strength Member	FRP
Outer Jacket Material	Polyethylene
Drum Length	3 km & 4 km (±5%)
Temperature Range	
Operation	-40°C to 70°C (-40° F to 158° F)
Installation	-30°C to 60°C (-22° F to 140° F)
Storage / Transport	-40°C to 70°C (-40° F to 158° F)
Mechanical Properties	
Crush Resistance (Short-Term / Long-Term)	1,000 N/ 100 mm / 500 N/ 100 mm
Minimum Bend Radius (Operation / Installation)	10 x OD / 20 x OD

Note: Waveoptics® recommends storing cable in a proper temperature environment prior to installation to allow the cable temperature to meet installation temperature range specifications for best installation results.

TECHNICAL DATA SHEET
OUTDOOR CABLE

FOSPC-XXX-F-SJAD-EX / 36-144 Fibers

Dimensions & Properties

Fibers Count	Loose Tube / Fillers	Tensile Strength (N) (lbf) long-term/ short-term	Nominal Outer Dimensions (mm) (in) (±5%)
36	3 / 3	1,330 / 2,700 (298/606)	9.3 (0.37) 11.3 (0.45)
48	4 / 2	1,330 / 2,700 (298/606)	9.3 (0.37) 11.3 (0.45)
72	6 / 0	1,330 / 2,700 (298/606)	9.3 (0.37) 11.3 (0.45)
144	12 / 0	1,330 / 2,700 (298/606)	12.8 (0.5) 16.2 (0.64)

Transmission Performance by Fiber Type

Fiber Type	Single Mode
Waveoptics® Fiber Type	G652.D
Waveoptics® Fiber Code	F
Wavelength (nm)	1310/1550
Max.attn. (dB/km) (1)	0.36/0.25
Cable Marking Specifications	G652.D

Notes:
(1) Maximum attenuation after cabling process
*For more information about the optical fibers, consult the corresponding data sheets.

Part Number Configuration

FOSPC-XXX-F-SJAD-EX

Fiber Count

036 - 36 Fibers
048 - 48 Fibers
072 - 72 Fibers
144 - 144 Fibers

Waveoptics Fiber Type

F - SM G652.D

Optical Cable Compliance

EX- Waveoptics® Slim Standard