

Indoor/Outdoor Multifiber Cables Datasheet

DESIGNED FOR CONNECTING NETWORKS BETWEEN TWO BUILDINGS



Indoor Pre-terminated Multifiber Cables

The indoor/outdoor pre-terminated multifiber cables can be used with 2 to 24 fibers cables. The outer jacket is LSZH, which is UV-resistant and its thickness and hardness are better than standard LSZH outer jacket. Furthermore, the aramid yarn of this cable is water-resistant, which enables the cable to be used indoor or in outdoor underground dry/damp conduit (if not prone to flooding).

Standards Compliance

- ISO9001 and RoHS Compliant

Features

- OS2/OM2 are available.
- 2/4/6/8/12/24 fibers are provided.
- LC/SC/ST/FC connectors are for your choice.
- Apply to indoor and outdoor cabling.
- Factory terminated and tested for insertion loss, return loss and end face.
- Pulling tubes are provided as an option to protect the fiber ends during installation.

Technical Specification

Physical Characteristics	Description
Fiber Count	2/4/6/8/12/24 Fibers
Fiber Mode	Single Mode: OS2 9/125 μ m; Multimode: OM2 50/125 μ m
Fiber Brand	YOFC
Fiber Grade	OS2: G.652.D; OM2: Bend Insensitive
Connector Type	LC/SC/ST/FC
Polish Type	SMF: UPC/APC; MMF: UPC
Trunk Diameter (mm)	2 Fibers: 5.0; 4 Fibers: 5.0; 6 Fibers: 5.2; 8 Fibers: 5.6; 12 Fibers: 6.2; 24 Fibers: 7.8
Breakout Length (m)	0.3 (Cable Length<3m); 0.5 (Cable Length \geq 3m)
Breakout Leg (mm)	2.0
Cable Jacket	LSZH
Jacket Color	Black
Minimum Bend Radius (mm)	20D/10D (Dynamic/Static)

Optical Characteristics	Description
Insertion Loss (dB)	\leq 0.3
Return Loss (dB)	SMF: UPC \geq 50, APC \geq 60; MMF: \geq 30
Max. Tension of Pulling Tube (N)	245
Operating Temperature	-40°C to 70°C

Hot Products

ID	Description
#29609	Customized 12 Fibers Indoor/Outdoor OS2 Assembly, 2.0mm Breakout Cable
#29610	Customized LC/SC/FC/ST 24 Fibers Indoor/Outdoor OS2 Single Mode Assembly, 2.0mm Breakout Cable

Matching Products

ID	Description
#11552	10GBASE-SR SFP+ 850nm 300m DOM Transceiver Module for FS Switches
#11555	10GBASE-LR SFP+ 1310nm 10km DOM Transceiver Module for FS Switches
#35488	12x LC Duplex, 24 Fibers OS2 Single Mode FHD Fiber Adapter Panel
#41998	12x LC Duplex, 24 Fibers OM4 Multimode FHD Fiber Adapter Panel
#35530	24x LC Duplex, 48 Fibers OS2 Single Mode FHU 1U 19" Fiber Patch Panel
#35531	24x LC Duplex, 48 Fibers OM4 Multimode FHU 1U 19" Fiber Patch Panel

Note:

The matching products for indoor/outdoor pre-terminated multifiber cables are shown for reference.



 <https://www.fs.com>



All statements, technical information, and recommendations related to the products here are based upon information believed to be reliable or accurate. However, the accuracy or completeness thereof is not guaranteed, and no responsibility is assumed for any inaccuracies. Please contact FS for more information.