Dielectric Double Jacketed Fiber Cable



technical information

Dielectric Double Jacketed Fiber Cable is an integral part of the Panduit end-to-end fiber optic solution, designed to support today's data needs while meeting tomorrow's everadvancing network requirements. Kevlar re-enforced double jacketing eliminates the need for additional conduit or pathway installation and provides a smaller crush resistant pathway for improved design flexibility and lower installed cost. All-dielectric construction eliminates the need for grounding and bonding, thereby reducing installation time and cost. All Dielectric Double Jacketed Fiber (DDJ) are Riser rated (OFNR) and compliant with Low Smoke Zero Halogen (LSZH) specifications. Fiber types include OM4 multimode, and OS2 singlemode. Available in 6, 12, and 24 fiber counts.



application

Designed for use in horizontal installations and backbones within buildings to provide high-density connectivity and ease of installation. Rugged, durable, with crush resistance greater than unarmored cable, the need to route through conduit is eliminated.

construction

Cable type:	Dielectric, Double Jacket
Cable jacket ratings:	Riser, Low Smoke Zero Halogen
Fiber types:	Singlemode: OS2 9/125µm Multimode: OM4 50/125µm
Fiber count:	6, 12, 24

physical properties

Outside diameter (OD):	.52 in. (13.2mm)
Bend radius:	10.4 in. (26.5cm)
Cable tensile strength (installation):	4450N
Cable tensile strength (installed):	1330N
Cable impact resistance, maximum:	454 kg/f
0-60 fiber cable weight:	174 kg/km

optical properties

Fiber attenuation:	Multimode:	3.0dB/km 1.0dB/km	-	
	Singlemode:	0.35dB/km 0.35dB/km		
		0.25dB/km	_	

environmental properties

Operating temperature:	-50°C to +70°C (-58°F to 158°F)
Installation temperature:	-30°C to +60°C (-22°F to 140°F)
Storage and shipping temperature:	-50°C to +70°C (-58°F to 158°F)

standards

UL 1666:	North American flame test
OFNR-LS/FT4 ST1 (UL) OFCR-LS (UL):	North American fire safety listing
ICEA-S-104-696:	Compliant
IEC 60754-2:	Acid gas generation of inner jacket
GR-20:	Horizontal backbone cable

Dielectric Double Jacketed Fiber Cable

part number

Character

Example

1 F 2 S

[

4

5

6

7

1 and 2 - Fiber Product

FS = OS2 Fiber FO = OM4 Fiber

3 – Cable Construction

J = Dielectric Double
Jacketed (indoor/outdoor)

4 - Flame/Smoke Rating

D = Riser, Low Smoke Zero Halogen

5 - Fiber Type

9 = Singlemode (OS2 ITU G.652.D)

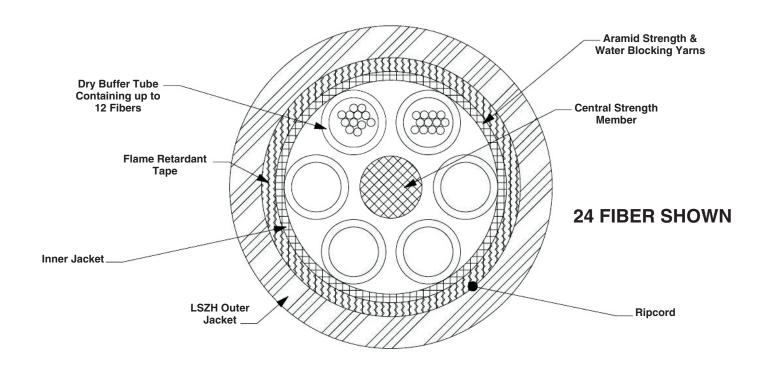
Z = Multimode (OM4)

6 and 7 - Fiber Count

06 = 6-fiber

12 = 12-fiber

24 = 24-fiber



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