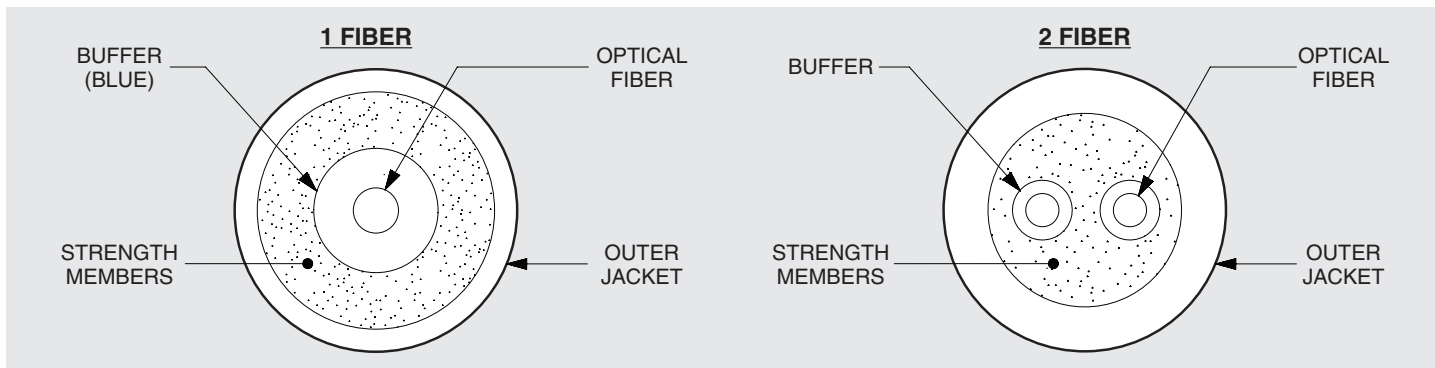


technical information

Opti-Core® Fiber Optic Cable for Passive Optical LAN applications are intended to meet the requirements for 1- and 2-fiber cables typical to passive optical networks. These indoor OS2 cables utilize a yellow, riser-rated (OFNR/FT4) thermoplastic outer jacket; aramid strength members, and G.657.A1/G.652.D bend-insensitive singlemode glass with a 900µm tight buffer. This construction enables the cable to meet the installation and performance demands normally encountered in PON architectures.



applications

For indoor use in riser space for passive optical LAN applications.

standards

ANSI/ICEA S-83-596

ANSI/TIA-568.3-D

Telcordia GR-409

EN 50173

SO/IEC 11801

characteristics

	Dimensional Characteristics	FSIRA01Y	FSDRA02Y
Number of Optical Fibers		1	2
Cable Diameter (Nominal)		2mm	4.75mm
Approximate Weight		4 kg/km	18 kg/km
Mechanical Characteristics			
Max. Installation Tension		111 N	445 N
Max. Load (Long Term)		33 N	133 N
Impacts (per FOTP-25)		2 at 0.54 N-m	2 at 1.47 N-m
Crush Resistance (per FOTP-41)		100 N/cm	
Cable Flexibility (per FOTP-104)		100 cycles	
Usage Characteristics			
Min. Bend Radius (Install)		3cm	7.1cm
Min. Bend Radius (Long Term)		2cm	4.7cm
RoHS Compliant		Yes	
Operating Temp. Range		-20°C to 75°C	
Installation Temp. Range		-10°C to 70°C	
Storage Temp. Range		-40°C to 85°C	
Transmission Characteristics			
Maximum Attenuation (1310nm)		0.5dB/km	
Maximum Attenuation (1550nm)		0.5dB/km	

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