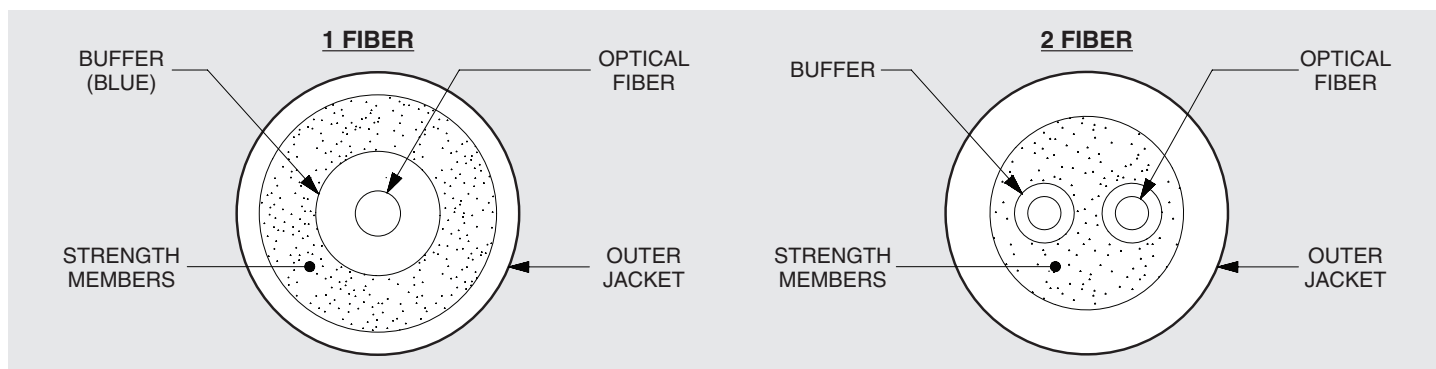


technical information

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	

WORLDWIDE SUBSIDIARIES AND SALES OFFICES

PANDUIT US/CANADA
Phone: 800.777.3300

PANDUIT EUROPE LTD.
London, UK
Phone: 44.20.8601.7200

PANDUIT SINGAPORE PTE. LTD.
Republic of Singapore
Phone: 65.6305.7575

PANDUIT JAPAN
Tokyo, Japan
Phone: 81.3.6863.6000

PANDUIT LATIN AMERICA
Guadalajara, Mexico
Phone: 52.33.3777.6000

PANDUIT AUSTRALIA PTY. LTD.
Victoria, Australia
Phone: 61.3.9794.9020

For a copy of Panduit product warranties, log on to www.panduit.com/warranty

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Panduit:](#)

[FSIRA01Y](#) [FSDRA02Y](#)