

Opti-Core® Gel-Free Indoor/Outdoor All-Dielectric Cable

SPECIFICATIONS

Opti-Core Gel-Free Indoor/Outdoor Cable is tested in accordance with Telcordia GR-20, Issue 2, GR-409 and with relevant EIA/TIA-455 series FOTPs for fiber optic cables. Opti-Core 10Gig Gel-Free Indoor/Outdoor Cable features the highest quality OM3 and OM4 laser optimized fiber to support 10 Gb/s applications while maintaining compatibility with existing 50µm multimode systems.



STANDARDS AND FLAME RATING

TIA/EIA- 568	Telcordia GR-20
ANSI/ICEA S-83-596	ANSI/ICEA S-104-696
Telcordia GR-409	RoHS Compliant
CSA 22.2 No. 230	UL-1666
NFPA 262	

CONSTRUCTION

Up to 12 fibers:	250µm coated fibers in a central loose tube that is dry water-blocked, water-blocking strength members, outer strength member, ripcord, black outer jacket
>12 fibers:	Twelve 250µm coated fibers per dry water-blocked loose tube, central strength member, filler tube(s), outer strength member, ripcord, black outer jacket
Outer sheath:	PVC or PVDF

OPTICAL PROPERTIES

Cabled Attenuation (maximum):	Singlemode:	OM1	OM3	OM4
850nm:	—	3.5 dB/km	3.5 dB/km	3.5 dB/km
120nm:	—	1.5 dB/km	1.5 dB/km	1.5 dB/km
1310nm:	0.40 dB/km	—	—	—
1550nm:	0.30 dB/km	—	—	—
Overfilled Bandwidth-850nm (MHz-km):	—	≥200	≥1500	≥3500
Overfilled Bandwidth-1300nm (HMz-km):	—	≥500	≥500	≥500
Effective Modal Bandwidth-850nm (MHz-km):	—	≥220	≥2000	≥4700
Compliance:	ITU-T G.652 (A,B,C,D), IEC 60793-2-50, ISO 11801 OS2, TIA-492-CAAB, Telcordia GR-20	TIA-492AAAA, IEC 60793-2-10	TIA-492AAAB, TIA-492AAAC, TIA-492AAAD, IEC 60793-2-10	TIA-492AAAB, TIA-492AAAC, TIA-492AAAD, IEC 60793-2-10

APPLICATIONS

Opti-Core Gel-Free Indoor/Outdoor Cable is an integral part of the end-to-end fiber optic solution, designed to support today's data needs while meeting the ever-advancing network requirements of tomorrow. This riser rated or plenum rated cable provides UV resistance, water-blocking, high density and easy installation in transitional aerial and duct applications, and entrance facilities. Allows installation using loose tube cable methods within buildings and outdoor environments for transitional aerial, duct applications and entrance facilities.

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PHYSICAL AND MECHANICAL PROPERTIES

Tensile strength (up to 12 fibers):	Installation: 300 lbs. (1335 N) Long Term: 90 lbs. (400 N)
Tensile strength (>12 fibers):	Installation: 600 lbs. (2700 N) Long Term: 200 lbs. (890 N)
Compressive strength (crush):	Up to 12 fibers: 57 >12 Fibers: 125
Impact:	3 at 4.4 N*m
Torsion:	10 Cycles
Kink:	IEC 60794-1-2 Method G7
Temperature range:	Shipping and Storage: -40°F to 185°F (-40°C to 85°C) Installation: -4°F to 140°F (-20°C to 60°C) Operation: -40°F to 167°F (-40°C to 75°C)

ORDERING LIST

Part Number	Description
FSCP606Y	OM1, 6 Fiber, Indoor/Outdoor Central Tube, All-Dielectric, Plenum, 62.5/125µm Cable
FSCP612Y	OM1, 12 Fiber, Indoor/Outdoor Central Tube, All-Dielectric, Plenum, 62.5/125µm Cable
FSCR606Y	OM1, 6 Fiber, Indoor/Outdoor Central Tube, All-Dielectric, Riser, 62.5/125µm Cable
FSCR612Y	OM1, 12 Fiber, Indoor/Outdoor Central Tube, All-Dielectric, Riser, 62.5/125µm Cable
FSCR906Y	OS2, 6 Fiber, Indoor/Outdoor Central Tube, All-Dielectric, Riser, 9/125µm Cable
FSCR912Y	OS2, 12 Fiber, Indoor/Outdoor Central Tube, All-Dielectric, Riser, 9/125µm Cable
FSNP924Y	OS2, 24 Fiber, Indoor/Outdoor Standard Tube, All-Dielectric, Plenum, 9/125µm Cable
FSNP948Y	OS2, 48 Fiber, Indoor/Outdoor Standard Tube, All-Dielectric, Plenum, 9/125µm Cable
FSNP972Y	OS2, 72 Fiber, Indoor/Outdoor Standard Tube, All-Dielectric, Plenum, 9/125µm Cable
FSNP996Y	OS2, 96 Fiber, Indoor/Outdoor Standard Tube, All-Dielectric, Plenum, 9/125µm Cable
FSNP91AY	OS2, 144 Fiber, Indoor/Outdoor Standard Tube, All-Dielectric, Plenum, 9/125µm Cable
FSNR924Y	OS2, 24 Fiber, Indoor/Outdoor Standard Tube, All-Dielectric, Riser, 9/125µm Cable
FSNR948Y	OS2, 48 Fiber, Indoor/Outdoor Standard Tube, All-Dielectric, Riser, 9/125µm Cable
FSNR972Y	OS2, 72 Fiber, Indoor/Outdoor Standard Tube, All-Dielectric, Riser, 9/125µm Cable
FSNR996Y	OS2, 96 Fiber, Indoor/Outdoor Standard Tube, All-Dielectric, Riser, 9/125µm Cable
FSNR91AY	OS2, 144 Fiber, Indoor/Outdoor Standard Tube, All-Dielectric, Riser, 9/125µm Cable
FOCPX06	OM3, 6 Fiber, Indoor/Outdoor Central Tube, All-Dielectric, Plenum, 50/125µm Cable
FOCPX12	OM3, 12 Fiber, Indoor/Outdoor Central Tube, All-Dielectric, Plenum, 50/125µm Cable
FONPX24Y	OM3, 24 Fiber, Indoor/Outdoor Stranded Tube, All-Dielectric, Plenum, 50/125µm Cable
FONPX48Y	OM3, 48 Fiber, Indoor/Outdoor Stranded Tube, All-Dielectric, Plenum, 50/125µm Cable
FOCRX06Y	OM3, 6 Fiber, Indoor/Outdoor Central Tube, All-Dielectric, Riser, 50/125µm Cable
FOCRX12Y	OM3, 12 Fiber, Indoor/Outdoor Central Tube, All-Dielectric, Riser, 50/125µm Cable
FONRX24Y	OM3, 24 Fiber, Indoor/Outdoor Stranded Tube, All-Dielectric, Riser, 50/125µm Cable
FONRX48Y	OM3, 48 Fiber, Indoor/Outdoor Stranded Tube, All-Dielectric, Riser, 50/125µm Cable
FONRX96Y	OM3, 96 Fiber, Indoor/Outdoor Stranded Tube, All-Dielectric, Riser, 50/125µm Cable
FONRX1AY	OM3, 144 Fiber, Indoor/Outdoor Stranded Tube, All-Dielectric, Riser, 50/125µm Cable
FOCPZ06Y	OM4, 6 Fiber, Indoor/Outdoor Central Tube, All-Dielectric, Plenum, 50/125µm Cable
FOCPZ12Y	OM4, 12 Fiber, Indoor/Outdoor Central Tube, All-Dielectric, Plenum, 50/125µm Cable
FONPZ24Y	OM4, 24 Fiber, Indoor/Outdoor Stranded Tube, All-Dielectric, Plenum, 50/125µm Cable
FONPZ48Y	OM4, 48 Fiber, Indoor/Outdoor Stranded Tube, All-Dielectric, Plenum, 50/125µm Cable
FOCRZ06Y	OM4, 6 Fiber, Indoor/Outdoor Stranded Tube, All-Dielectric, Riser, 50/125µm Cable
FOCRZ12Y	OM4, 12 Fiber, Indoor/Outdoor Stranded Tube, All-Dielectric, Riser, 50/125µm Cable
FONRZ24Y	OM4, 24 Fiber, Indoor/Outdoor Stranded Tube, All-Dielectric, Riser, 50/125µm Cable
FONRZ48Y	OM4, 48 Fiber, Indoor/Outdoor Stranded Tube, All-Dielectric, Riser, 50/125µm Cable

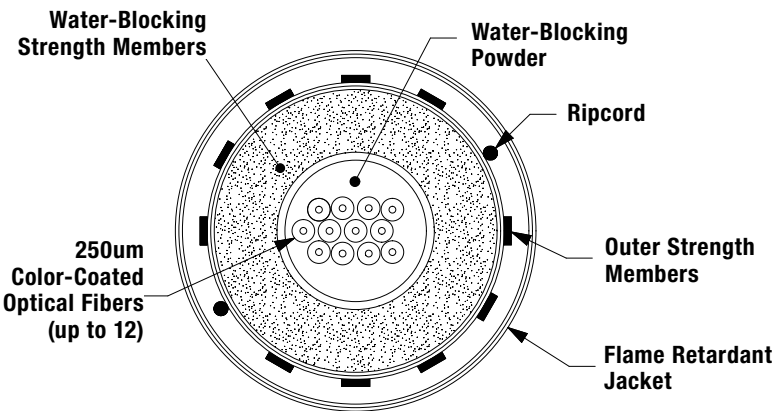
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FIBER COLOR SEQUENCE

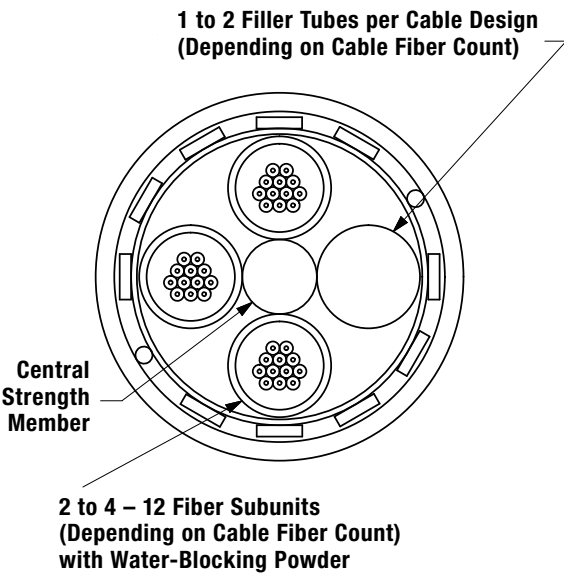
1	2	3	4	5	6	7	8	9	10	11	12
Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Rose	Aqua

ENGINEERING DRAWINGS

UP TO 12 FIBERS:



>12 FIBERS:



WORLDWIDE SUBSIDIARIES AND SALES OFFICES

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or by phone: 800.777.3300

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