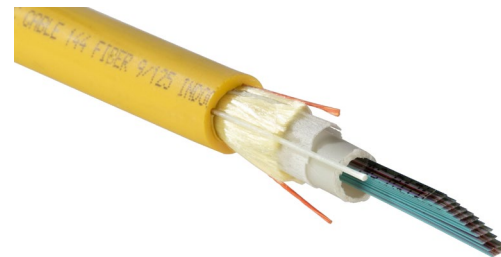


specifications

Fibers shall be ribbonized for easy mass fusion splicing and termination with twelve fiber MPO style connectors. Cable shall contain 12, 24, 48, 72, or 96 singlemode and OM4 multimode fibers and be plenum flame rated for indoor spaces. Construction shall be robust, compact and all-dielectric.

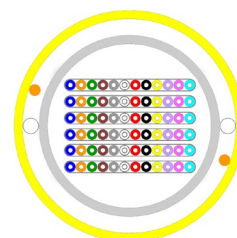


standards and flame rating

✓ Tested per applicable requirements of ISO-IEC 11801 and ICEA S83-596	✓ ITU G.657.A2/B2	✓ Telcordia GR-409
	✓ TIA 568 and 598	✓ Ribbon dimensions comply with Telcordia GR-20
	✓ RoHS Compliant	✓ Plenum per NFPA 262

construction

Fiber Ribbon:	Twelve color coded fibers are arranged in a flat ribbon matrix; ribbons are sequentially marked for easy identification
Core Tube:	Ribbons are stacked in a flame retardant central core tube wrapped in barrier tape
Strength Members:	Core is surrounded by aramid strength yarns and two dielectric strength rods
Sheath:	Jacket is flame retardant; Yellow for OS2, Aqua for OM4; two ripcords



Representative Cross-Section
(72 count shown)

key features and benefits

Ribbonized fibers	Allow the installer to splice or terminate twelve fibers at a time; reduced installation time; compatible with MPO connectors and pigtails
Compact design	Has smaller diameter and bend radius than non-ribbonized loose tube cables; easier to install
Aramid yarn and dielectric strength rods	Offers excellent strength, durability, and compression resistance
OFNP flame rating	Provides life safety benefits and meets industry standards across the globe
G.657.A2/B2 singlemode fibers	Deliver high bit rate data transmission and are bend insensitive

applications

- Suitable for a variety of indoor applications including: data centers, colocation facilities, and vertical backbones
- Twelve fiber ribbons are ideal for mass fusion splicing and MPO multi-fiber connectors

Opti-Core® 12 to 96 Fiber Indoor Ribbon Cable

physical and mechanical properties

Specifications		Fiber Count				
		12	24	48	72	96
Cable Diameter - mm (in.):		9.6 (0.38)	9.6 (0.38)	9.6 (0.38)	9.6 (0.38)	10.2 (0.40)
Cable Weight - lb./kft (kgm/km):		56 (84)	56 (84)	56 (84)	56 (84)	60 (90)
Minimum Bend Radius - mm (in.):	Installation/Load	192 (7.6)	192 (7.6)	192 (7.6)	192 (7.6)	204 (8.0)
	Long-Term/No Load	96 (3.8)	96 (3.8)	96 (3.8)	96 (3.8)	102 (4.0)
Maximum Tensile Rating: Installation		300 lbs. (1335 N)				
		Temperature Range				
Installation:		-40°F to 158°F (-40°C to 70°C)				
Operation:		-4°F to 140°F (-20°C to 60°C)				
Storage:		-40°F to 158°F (-40°C to 70°C)				

optical properties: maximum attenuation (cabled)

OS2 Singlemode (ITU-T G.657.A1)	0.4 dB/km @ 1310 nm, 0.3 dB/km @ 1550 nm
OM4 Multimode	3.5 dB/km @ 850 nm, 1.5 dB/km @ 1300 nm

ribbon fiber color sequence (TIA-598)

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

Opti-Core® 12 to 96 Fiber Indoor Ribbon Cable

ordering information

Part Number	Description	Unit of Measure
FFDPBF012F	OS2 (G.657.A2) 12-Fiber Indoor Distribution Cable, OFNP, Ribbon	Feet
FFDPBF024F	OS2 (G.657.A2) 24-Fiber Indoor Distribution Cable, OFNP, Ribbon	Feet
FFDPBF048F	OS2 (G.657.A2) 48-Fiber Indoor Distribution Cable, OFNP, Ribbon	Feet
FFDPBF072F	OS2 (G.657.A2) 72-Fiber Indoor Distribution Cable, OFNP, Ribbon	Feet
FFDPBF096F	OS2 (G.657.A2) 96-Fiber Indoor Distribution Cable, OFNP, Ribbon	Feet
FFDPZF012F	50µm OM4 12-Fiber Indoor Distribution Cable, OFNP, Ribbon	Feet
FFDPZF024F	50µm OM4 24-Fiber Indoor Distribution Cable, OFNP, Ribbon	Feet
FFDPZF048F	50µm OM4 48-Fiber Indoor Distribution Cable, OFNP, Ribbon	Feet
FFDPZF072F	50µm OM4 72-Fiber Indoor Distribution Cable, OFNP, Ribbon	Feet
FFDPZF096F	50µm OM4 96-Fiber Indoor Distribution Cable, OFNP, Ribbon	Feet

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