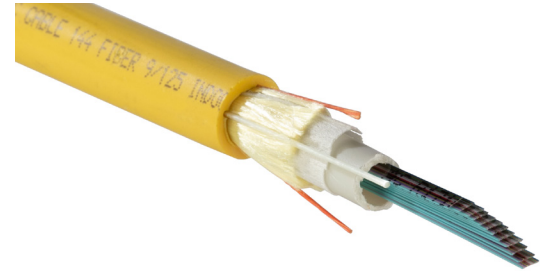


# Opti-Core<sup>®</sup> 144-Fiber Indoor Ribbon Cable, OFNR, LSZH and EuroClass

## specifications

Fibers shall be ribbonized for easy mass fusion splicing and termination with 12-fiber MPO style connectors. Cable shall contain 144 singlemode fibers and be flame rated for indoor spaces that require compliance with riser, low smoke zero halogen, and EuroClass standards. Construction shall be robust, compact and all-dielectric.



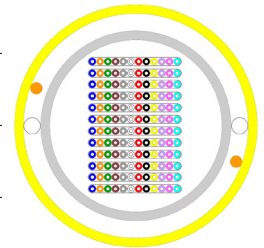
## standards and flame rating

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

Flame ratings: UL 1666 (riser), IEC 60332, IEC 60754, IEC 61034, EuroClass CPR B2ca

## construction

<b>Fiber Ribbon</b>	12 color-coded fibers are arranged in a flat ribbon matrix; ribbons are sequentially marked for easy identification
<b>Core Tube</b>	12 ribbons are stacked in a flame-retardant central core tube wrapped in barrier tape
<b>Strength Members</b>	Core is surrounded by aramid strength yarns and two dielectric strength rods
<b>Sheath</b>	Yellow jacket is flame-retardant; 2 ripcords



## key features and benefits

<b>Ribbonized fibers</b>	Allow the installer to splice or terminate 12 fibers at a time; reduced installation time; compatible with MPO connectors and pigtails
<b>Compact design</b>	Has smaller diameter and bend radius than non-ribbonized loose tube cables; easier to install
<b>Aramid yarn and dielectric strength rods</b>	Offers excellent strength, durability, and compression resistance
<b>Flame retardant LSZH/OFNR/EuroClass materials</b>	Provides life safety benefits and meets industry standards for EMEA, Asia Pacific, and Americas
<b>G.657.A2/B2 singlemode fibers</b>	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
- 12-fiber ribbons are ideal for mass fusion splicing and MPO multi-fiber connectors

# Opti-Core® 144-Fiber Indoor Ribbon Cable, OFNR, LSZH and EuroClass













## PHYSICAL AND MECHANICAL PROPERTIES

Cable Diameter	0.48 in. (12.1mm)
Cable Weight	82 lbs./kft (122kg/km)
Minimum Bend Radius (installation / load)	20 x cable diameter
Minimum Bend Radius (long term / no load)	8 x cable diameter
Maximum Tensile Rating	300 lbs. (1335 N)
Temperature Range	Shipping and Storage: -40 to 158°F (-40 to 70°C)
	Installation: -40 to 140°F (-40 to 60°C)
	Operation: -4 to 158°F (-20 to 70°C)

## OPTICAL PROPERTIES: (Singlemode ITU G.657.A2/B2)

Attenuation, max. 1310 nm (cabled)	0.4 dB/km
Attenuation, max. 1550 nm (cabled)	0.3 dB/km

## 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
											

## ordering information

Part Number	Description	Unit of Measure
FFDDBF144-18M	OS2 144 Fiber Indoor Dist. Cable, OFNR-LSZH CPR B2ca-s1a-d0-a1, Flat Ribbon, MT	Meters
FFDCBF144-14F	OS2 144 Fiber Indoor Dist. Cable, LSZH CPR B2ca-s1a-d1-a1, Flat Ribbon, FT	Feet

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