

Central Tube

2 through 12 fibers

Multimode and Singlemode

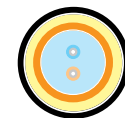
Central Tube

Product Highlights

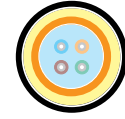
- RoHS compliant
- OM2, OM3, & OM4 cables utilize Corning ClearCurve glass.
- UV resistant jacket
- Gel filled central tube provides protection against water penetration
- Dry, super absorbent polymers (SAPs) eliminate water migration in cable interstices
- Suitable for lashed aerial, duct, underground conduit and indoor riser applications

Options

- Low smoke zero halogen available



2-fibers



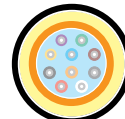
4-fibers



6-fibers



8-fibers



10-fibers



12-fibers

Diagram scale approx. 3:1

Indoor/Outdoor Central Tube (Riser)

(UL) OFNR c(UL) FT4

Fiber Count	62.5 UM OM1	50 UM OM2	50 UM OM3	50 UM OM4	8.3 UM OS2	8.3 UM OS2BI
2	60103-2	60104-2	60337-2	61837-2	60105-2	61723-2
4	60103-4	60104-4	60337-4	61837-4	60105-4	61723-4
6	60103-6	60104-6	60337-6	61837-6	60105-6	61723-6
8	60103-8	60104-8	60337-8	61837-8	60105-8	61723-8
10	60103-10	60104-10	60337-10	61837-10	60105-10	61723-10
12	60103-12	60104-12	60337-12	61837-12	60105-12	61723-12

Optical Specifications

TIA/EIA-568-C.3-1

HCM Fiber Performance Parameters	Max Attenuation (dB/Km)		Min Bandwidth OFL MHz-Km		Min Bandwidth* MHz-Km		Gigabit Ethernet Support Distance (meters)		10 Gigabit Ethernet Support Distance (meters)	
	850 nm	1300 nm	850 nm	1300 nm	850 nm	1300 nm	850 nm	1300 nm	850 nm	1300 nm
OM1	3.25	1.0	200	500	220	na	300	550	33	na
OM2	3.25	1.0	700	500	850	na	750	550	150	na
OM3	3.0	1.0	1500	500	2000	na	1000	550	300	na
OM4	3.0	1.0	3500	500	4700	na	1100	550	550	na

*EMBc for OM2, OM3 & OM4 fibers. RML for OM1 fibers.

	1310 nm	1550 nm
OS2	0.35	0.25
OS2 BI**	0.35	0.25

**OS2 BI utilizes bend-insensitive optical glass

HCM reserves the right to revise any specifications.

Indoor/Outdoor Central Tube (Riser)

(UL) OFNR c(UL) FT4

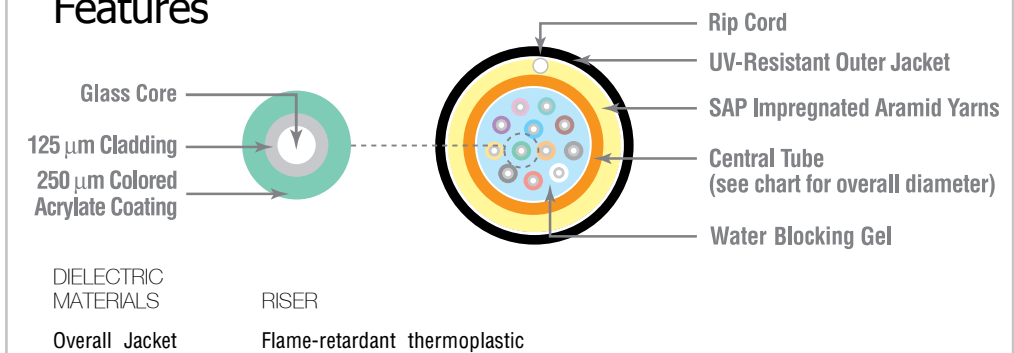
FIBER COUNT	CABLE O.D.		MAXIMUM LOAD INSTALL		OPERATION		CABLE WEIGHT	
	in.	mm	lbs-f	N	lbs-f	N	lbs/1000 ft	kg/1000m
2	.287	7.2	300	1335	150	667	39.4	58.7
4	.287	7.2	300	1335	150	667	39.4	58.7
6	.287	7.2	300	1335	150	667	39.4	58.7
8	.287	7.2	300	1335	150	667	39.5	58.8
10	.287	7.2	300	1335	150	667	39.5	58.8
12	.287	7.2	300	1335	150	667	39.6	58.8

10 Gigabit Applications

IEEE standard	Wavelength	Transmission	Fiber type	Length (m)
10GBASE-SR	850nm	Serialized	OM1	33
			OM2	82
			OM3	300
			OM4	550
10GBASE-LR	1310nm	Serialized	SM	10,000 - 25,000
10GBASE-LRM	1310nm	Serialized	OM1	220
			OM3	260
10GBASE-ER	1550nm	Serialized	SM	40,000
10GBASE-LX4	1300nm	WDM	MM	240-300
			SM	10,000

For complete application list, refer to page 91.

Features



Mechanical Specifications

Bend radius

- No load = 10x cable overall diameter
- Load = 20x cable overall diameter

Central Tube Diameter

	in.	mm
2-12 fibers per tube	.160	4.1



Indoor/Outdoor