

Loose Tube

12 through 144 fibers

Product Highlights

- RoHS compliant
- OM2, OM3, & OM4 cables utilize Corning ClearCurve glass.
- UV resistant jacket
- Gel filled loose tubes provide 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

- Other configurations and fiber counts available
- Low smoke zero halogen available
- OM4 cables with extended 10 gigabit distances are available

Applications

- See Page 91



48-fibers (12 tubes of 4-fibers)



48-fibers (8 tubes of 6-fibers)



48-fibers (6 tubes of 8-fibers)



48-fibers (4 tubes of 12-fibers)

Diagram scale approx. 1:1

Indoor/Outdoor Loose Tube (Riser)

(UL) OFNR c(UL) FT4

Fiber Count	# Fibers per Tube	62.5 UM OM1	50 UM OM2	50 UM OM3	50 UM OM4	8.3 UM OS2
12	2	60701-12	60710-12	60714-12	61900-12	60720-12
24	2	60701-24	60710-24	60714-24	61900-24	60720-24
24	4	60344-24	60711-24	60715-24	61901-24	60721-24
48	4	60344-48	60711-48	60715-48	61901-48	60721-48
18	6	60106-18	60108-18	60716-18	61902-18	60110-18
24	6	60106-24	60108-24	60716-24	61902-24	60110-24
36	6	60106-36	60108-36	60716-36	61902-36	60110-36
48	6	60106-48	60108-48	60716-48	61902-48	60110-48
72	6	60106-72	60108-72	60716-72	61902-72	60110-72
24	8	60702-24	60712-24	60717-24	61903-24	60722-24
32	8	60702-32	60712-32	60717-32	61903-32	60722-32
48	8	60702-48	60712-48	60717-48	61903-48	60722-48
72	8	60702-72	60712-72	60717-72	61903-72	60722-72
36	12	60107-36	60109-36	60719-36	61904-36	60111-36
48	12	60107-48	60109-48	60719-48	61904-48	60111-48
60	12	60107-60	60109-60	60719-60	61904-60	60111-60
72	12	60107-72	60109-72	60719-72	61904-72	60111-72

Optical Specifications

TIA/EIA-568-C.3

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	
	1310 nm 1550 nm										
OS2	0.35	0.25									

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

HCM reserves the right to revise any specifications.

Loose Tube

Indoor/Outdoor Loose Tube (Riser)

(UL) OFNR c(UL) FT4

FIBER COUNT	#Fibers per Tube	Tube Layout	CABLE O.D.		MAXIMUM LOAD INSTALL		OPERATION		CABLE WEIGHT	
			in.	mm	lbs-f	N	lbs-f	N	lbs/1000 ft	kg/1000m
12	2	6xC5M	.422	10.7	600	2670	200	890	77.0	114.7
24	2	12xC5M	.595	15.1	600	2670	200	890	155	231.0
24	4	6xC5M	.422	10.7	600	2670	200	890	78.0	116.2
48	4	12xC5M	.595	15.1	600	2670	200	890	155	231.0
18	6	6xC5M	.422	10.7	600	2670	200	890	64	95.4
24	6	6xC5M	.422	10.7	600	2670	200	890	69.0	102.8
36	6	6xC5M	.422	10.7	600	2670	200	890	78.0	116.2
48	6	8XC5M	.482	12.2	600	2670	200	890	100	149.0
72	6	12XC5M	.595	15.1	600	2670	200	890	156	232.4
24	8	6xC5M	.422	10.7	600	2670	200	890	64	95.4
32	8	6xC5M	.422	10.7	600	2670	200	890	69.0	102.8
48	8	6xC5M	.422	10.7	600	2670	200	890	78.0	117.7
72	8	9XC5M	.509	12.9	600	2670	200	890	113	168.4
36	12	6xC5M	.466	11.8	600	2670	200	890	73.0	108.8
48	12	6xC5M	.422	11.8	600	2670	200	890	79.0	117.7
60	12	6xC5M	.466	11.8	600	2670	200	890	85.0	126.7
72	12	6xC5M	.466	11.8	600	2670	200	890	91.0	135.6

Mechanical Specifications

Bend radius

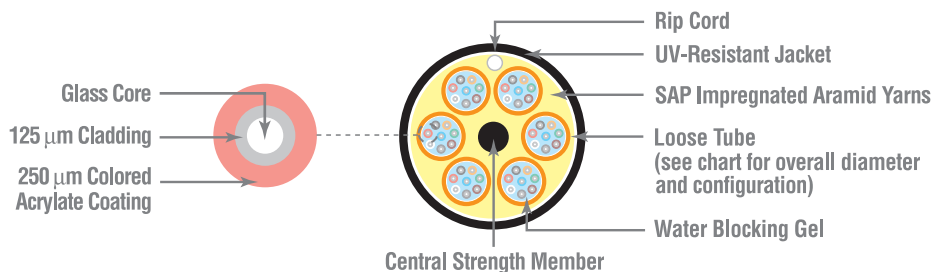
- No load = 10x cable overall diameter
- Load = 20x cable overall diameter

Loose Tube Diameter

	in.	mm
2-8 fibers per tube	.095	2.4
12-fibers per tube	.110	2.8



Features



DIELECTRIC MATERIALS
Overall Jacket

RISER
Flame-retardant thermoplastic



Indoor/Outdoor