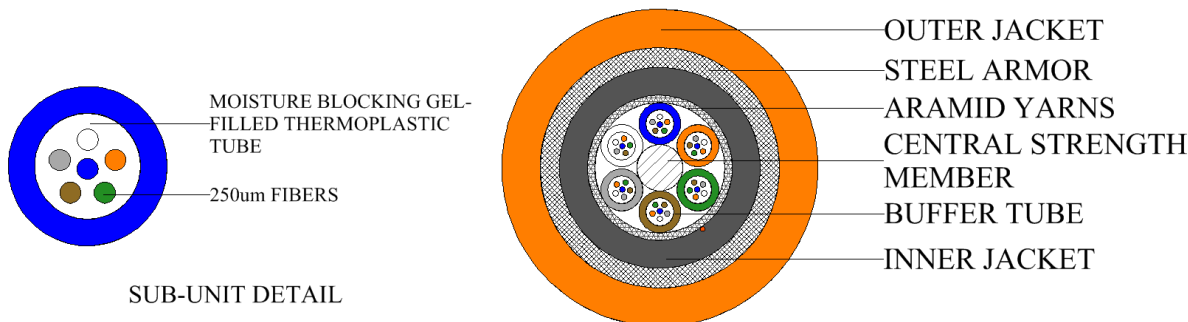


TrayOptic® Loose Tube Heavy-Duty, In/Outdoor Riser, Armored

Revision Number: 0 Revision Date: 10/21/16



Glass Type	OM1 62.5/125µm Multimode	OM2 50/125µm Multimode	OM3 50/125µm Multimode	OM4 50/125µm Multimode	OS2 Single-mode ²
Fiber Grade Code (x)	1	2	3	4	S
Jacket Color	Orange	Orange	Aqua	Erika Violet ⁴	Yellow
Operating Wavelength (nm)	850/1300	850/1300	850/1300	850/1300	1310/1550
Min. OFL ¹ Bandwidth (MHz-km)	200/500	500/500	1500/500	3500/550	-
Min. Laser Bandwidth ³ (MHz-km)	220/-	950/-	2000/-	4700/-	-
Max Attenuation (dB/km)	3.5/1.2	3.0/1.2	3.0/1.0	3.0/1.0	.40/.30
1 Gigabit Ethernet Min. Link Length (meters)	275/550	600/600	1000/550	1100/550	5000/-
10 Gigabit Ethernet Min. Link Length (meters)	33/-	82/-	300/-	400/-	10,000/40,000

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

- OFL – Overfilled Launch
- Low water peak Single-mode suitable for CWDM use complies with ITU G.652c/d & G.657.a1
- Effective Modal Bandwidth, determined by RML or DMD performance specifications
- OM4 is available in Aqua upon request.

Physical Specifications

Fiber Type:	See attached tables
Buffer:	No Buffer
Assembly:	Color coded fibers in a gel-filled loose tube
Strength members:	Aramid / E-Glass (central member)
Sub-unit Jacket Material:	Thermoplastic
Armor:	Corrugated Steel Tape
Jacket Material:	See attached tables
Listing:	(UL) OFCR / C(UL) OFCR FT4
Tray Use:	Suitable for Tray use per NEC, NFPA 70 Section 770.110

Temperature Ranges

	Riser PVC Jacket	Riser CPE Jacket
Operating temperature:	-40°C to +70°C	-40°C to +70°C
Storage temperature:	-40°C to +70°C	-40°C to +70°C
Installation temperature:	-20°C to +60°C	-20°C to +60°C

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Riser (NEC/CEC OFNR/OFN FT4) PVC Jacket								
Fiber Count	SPN Part Number ⁵	Jacket Color	Nom. Jacket Dia. in (mm)	Weight lbs/1000ft (kg/km)	Max. Tensile Load Install lbs (N)	Max. Tensile Load Long Term lbs (N)	Min. Bend Radius Load in (cm)	Min. Bend Radius Long Term in (cm)
2	FDxT0025L	See table	0.54 (13.7)	150 (223)	600 (2670)	180 (800)	10.8 (27.4)	5.4 (13.7)
4	FDxT0045M	See table	0.54 (13.7)	150 (223)	600 (2670)	180 (800)	10.8 (27.4)	5.4 (13.7)
6	FDxT0065F	See table	0.54 (13.7)	150 (223)	600 (2670)	180 (800)	10.8 (27.4)	5.4 (13.7)
8	FDxT0085M	See table	0.54 (13.7)	150 (223)	600 (2670)	180 (800)	10.8 (27.4)	5.4 (13.7)
12	FDxT0125F	See table	0.54 (13.7)	150 (223)	600 (2670)	180 (800)	10.8 (27.4)	5.4 (13.7)
18	FDxT0185F	See table	0.54 (13.7)	150 (223)	600 (2670)	180 (800)	10.8 (27.4)	5.4 (13.7)
24	FDxT0245F	See table	0.54 (13.7)	150 (223)	600 (2670)	180 (800)	10.8 (27.4)	5.4 (13.7)
36	FDxT0365F	See table	0.54 (13.7)	150 (223)	600 (2670)	180 (800)	10.8 (27.4)	5.4 (13.7)
48	FDxT0485G	See table	0.62 (16.9)	143 (212)	600 (2670)	180 (800)	12.4 (31.5)	6.2 (15.7)
60	FDxT0605G	See table	0.62 (16.9)	143 (212)	600 (2670)	180 (800)	12.4 (31.5)	6.2 (15.7)
72	FDxT0725G	See table	0.62 (16.9)	143 (212)	600 (2670)	180 (800)	12.4 (31.5)	6.2 (15.7)

⁵ Substitute (x) with Fiber Grade Code

Riser (NEC/CEC OFNR/OFN FT4) CPE Jacket								
Fiber Count	SPN Part Number ⁵	Jacket Color	Nom. Jacket Dia. in (mm)	Weight lbs/1000ft (kg/km)	Max. Tensile Load Install lbs (N)	Max. Tensile Load Long Term lbs (N)	Min. Bend Radius Load in (cm)	Min. Bend Radius Long Term in (cm)
2	FDxY0025L	See table	0.54 (13.7)	152 (226)	600 (2670)	180 (800)	10.8 (27.4)	5.4 (13.7)
4	FDxY0045M	See table	0.54 (13.7)	152 (226)	600 (2670)	180 (800)	10.8 (27.4)	5.4 (13.7)
6	FDxY0065F	See table	0.54 (13.7)	152 (226)	600 (2670)	180 (800)	10.8 (27.4)	5.4 (13.7)
8	FDxY0085M	See table	0.54 (13.7)	152 (226)	600 (2670)	180 (800)	10.8 (27.4)	5.4 (13.7)
12	FDxY0125F	See table	0.54 (13.7)	152 (226)	600 (2670)	180 (800)	10.8 (27.4)	5.4 (13.7)
18	FDxY0185F	See table	0.54 (13.7)	152 (226)	600 (2670)	180 (800)	10.8 (27.4)	5.4 (13.7)
24	FDxY0245F	See table	0.54 (13.7)	152 (226)	600 (2670)	180 (800)	10.8 (27.4)	5.4 (13.7)
36	FDxY0365F	See table	0.54 (13.7)	152 (226)	600 (2670)	180 (800)	10.8 (27.4)	5.4 (13.7)
48	FDxY0485G	See table	0.62 (16.9)	145 (215)	600 (2670)	180 (800)	12.4 (31.5)	6.2 (15.7)
60	FDxY0605G	See table	0.62 (16.9)	145 (215)	600 (2670)	180 (800)	12.4 (31.5)	6.2 (15.7)
72	FDxY0725G	See table	0.62 (16.9)	145 (215)	600 (2670)	180 (800)	12.4 (31.5)	6.2 (15.7)

⁵ Substitute (x) with Fiber Grade Code