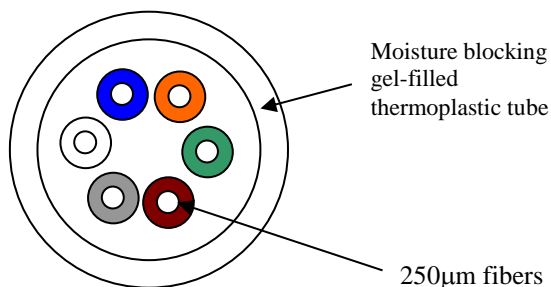
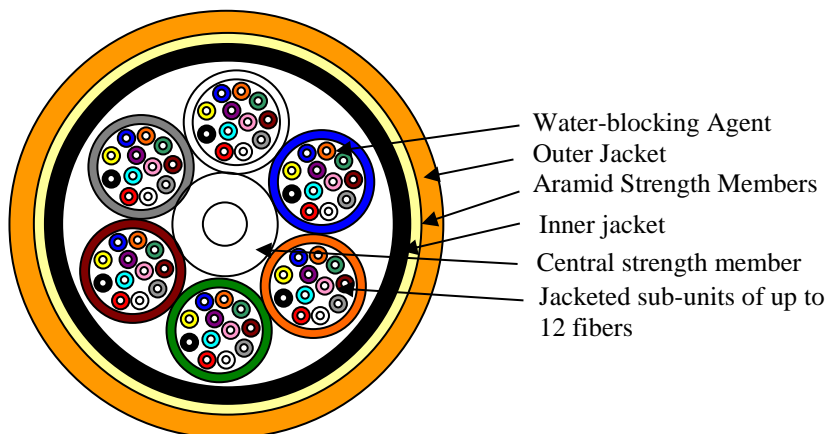


TrayOptic® Heavy-Duty, In/Outdoor, All Dielectric Cable

Revision Number: 8 Revision Date: 12/14/16



Sub-unit detail:



Glass Type	OM1 - 62.5/125µm Multi-Mode	OM2 - 50/125µm Multi-Mode	OM3 - 50/125µm Multi-Mode	OM4 - 50/125µm Multi-Mode	OS2 - Single Mode ²
Fiber Grade Code (x)	1	2	3	4	S
Legacy Fiber Grade Code (z)	0	A	C	E	W
Jacket Color	Orange	Orange	Aqua	Erika Violet	Yellow
Operating Wavelength (nm)	850/1300	850/1300	850/1300	850/1300	1310/1550
Min. OFL ¹ Bandwidth (MHz-km)	500/500	200/500	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

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

Physical Specifications	
Fiber Type:	See attached tables
Buffer:	Type: Gel filled, Loose Buffer Tube, 1.9mm Color coded fibers with strength members
Assembly:	Aramid, Central
Strength members:	Thermoplastic, same color as outer jacket
Subunit Jacket Material:	Thermoplastic
Jacket Material:	See attached tables
Listing	OFNR / C(UL) OFNR 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
Property	Test	Value
Crush	2000 N/cm	TIA 455-41
Impact	2000 @ 1.6 N-m	TIA-455 25
Flex	20x 12 lb	TIA-455-104
Water Penetration	Pass	TIA-455-82
Compound Flow	Pass	TIA-455-81
UL-1666 Riser	Pass	UL-1666

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Riser (NEC/CEC OFNR/OFN FT4) PVC Jacket									
Fiber Count	SPN Part Number ⁵	Legacy Part Number ⁶	Jacket Color	Nom. Jacket Dia. in (mm)	Weight lbs/1000ft (kg/km)	Max. Install Load lbs (N)	Max. Long Term Load lbs (N)	Min. Bend Radius Load in (cm)	Min. Long Term Bend Radius in (cm)
2	FDxT002RF	I1z0255	See table	0.44 (11.1)	88 (130)	2700 (12010)	600 (2670)	8.8 (22.3)	6.6 (16.8)
4	FDxT004RF	I1z0455	See table	0.44 (11.1)	88 (130)	2700 (12010)	600 (2670)	8.8 (22.3)	6.6 (16.8)
6	FDxT006RF	I1z0655	See table	0.44 (11.1)	88 (130)	2700 (12010)	600 (2670)	8.8 (22.3)	6.6 (16.8)
8	FDxT008RF	I4z0855	See table	0.44 (11.1)	88 (130)	2700 (12010)	600 (2670)	8.8 (22.3)	6.6 (16.8)
12	FDxT012RF	I6z1255	See table	0.44 (11.1)	88 (130)	2700 (12010)	600 (2670)	8.8 (22.3)	6.6 (16.8)
18	FDxT018RF	I6z1855	See table	0.44 (11.1)	88 (130)	2700 (12010)	600 (2670)	8.8 (22.3)	6.6 (16.8)
24	FDxT024RF	I6z2455	See table	0.44 (11.1)	88 (130)	2700 (12010)	600 (2670)	8.8 (22.3)	6.6 (16.8)
36	FDxT036RF	I6z3655	See table	0.44 (11.1)	88 (130)	2700 (12010)	600 (2670)	8.8 (22.3)	6.6 (16.8)
48	FDxT048RG	I6z4855	See table	0.54 (13.7)	128 (190)	2700 (12010)	600 (2670)	10.8 (27.4)	8.1 (20.5)
60	FDxT060RG	I6z6055	See table	0.54 (13.7)	128 (190)	2700 (12010)	600 (2670)	10.8 (27.4)	8.1 (20.5)
72	FDxT072RG	I6z7255	See table	0.54 (13.7)	128 (190)	2700 (12010)	600 (2670)	10.8 (27.4)	8.1 (20.5)

⁵ Substitute (x) with Fiber Grade Code
⁶ Substitute (z) with Legacy Fiber Grade Code

Riser (NEC/CEC OFNR/OFN FT4) CPE Jacket									
Fiber Count	SPN Part Number ⁵	Legacy Part Number ⁶	Jacket Color	Nom. Jacket Dia. in (mm)	Weight lbs/1000ft (kg/km)	Max. Install Load lbs (N)	Max. Long Term Load lbs (N)	Min. Bend Radius Load in (cm)	Min. Long Term Bend Radius in (cm)
2	FDxY002RF	I1z0266	See table	0.43 (10)	89 (132)	2700 (12010)	600 (2670)	8.6 (21.8)	6.5 (16.5)
4	FDxY004RF	I1z0466	See table	0.43 (10)	89 (132)	2700 (12010)	600 (2670)	8.6 (21.8)	6.5 (16.5)
6	FDxY006RF	I1z0666	See table	0.43 (10)	89 (132)	2700 (12010)	600 (2670)	8.6 (21.8)	6.5 (16.5)
8	FDxY008RF	I4z0866	See table	0.43 (10)	89 (132)	2700 (12010)	600 (2670)	8.6 (21.8)	6.5 (16.5)
12	FDxY012RF	I6z1266	See table	0.43 (10)	89 (132)	2700 (12010)	600 (2670)	8.6 (21.8)	6.5 (16.5)
18	FDxY018RF	I6z1866	See table	0.43 (10)	89 (132)	2700 (12010)	600 (2670)	8.6 (21.8)	6.5 (16.5)
24	FDxY014RF	I6z2466	See table	0.43 (10)	89 (132)	2700 (12010)	600 (2670)	8.6 (21.8)	6.5 (16.5)
36	FDxY036RF	I6z3666	See table	0.43 (10)	89 (132)	2700 (12010)	600 (2670)	8.6 (21.8)	6.5 (16.5)
48	FDxY048RG	I6z4866	See table	0.54 (13)	125 (186)	2700 (12010)	600 (2670)	10.8 (27.4)	8.1 (20.5)
60	FDxY060RG	I6z6066	See table	0.54 (13)	125 (186)	2700 (12010)	600 (2670)	10.8 (27.4)	8.1 (20.5)
72	FDxY072RG	I6z7266	See table	0.54 (13)	125 (186)	2700 (12010)	600 (2670)	10.8 (27.4)	8.1 (20.5)

⁵ Substitute (x) with Fiber Grade Code
⁶ Substitute (z) with Legacy Fiber Grade Code

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