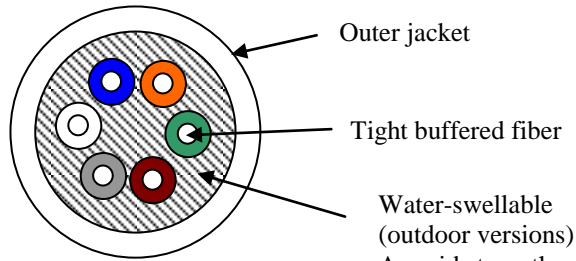


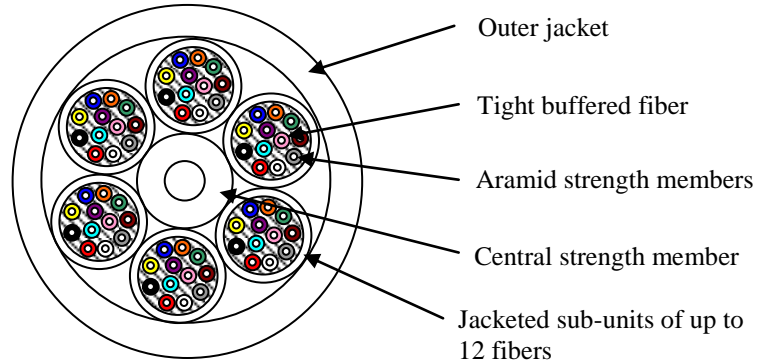
TECHNICAL DATA INDOOR DISTRIBUTION CABLE



Revision Number: 1 Revision Date: 02/28/17



2-12 Fibers



> 12 Fibers

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)	B	A	C	E	W
Jacket + Sub-unit 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	3500/500	-
Min. Laser Bandwidth ³ (MHz-km)	220/-	950/-	2000/-	4700/-	-
Max Attenuation (dB/km)	3.5/1.25	3.5/1.5	3.25/1.2	3.0/1.2	0.5/0.5
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 + G657-a1
 3. Effective Modal Bandwidth, determined by RML or DMD performance specifications
 4. OM4 is available in aqua upon request.

Physical Specifications	
Fiber Type:	See table above
Buffer:	Type: Thermoplastic Tight Buffer Diameter: 900 +35µm/-50µm
Assembly:	Color coded fibers with strength members
Strength members:	Aramid
Sub-unit Jacket	Thermoplastic, same color as outer jacket, numbered
Material:	Thermoplastic
Jacket Material:	Thermoplastic
Listing:	See attached tables

Temperature Ranges:		
	Indoor ONFR	Indoor OFNP
Operating Temp	-20 to +70°C	0 to +70°C
Storage Temp	-40 to +70°C	-40 to +70°C
Installation Temp	-10 to +60°C	0 to +60°C

TECHNICAL DATA

INDOOR

DISTRIBUTION CABLE



Revision Number: 1 Revision Date: 02/28/17

Indoor UL Type OFNR / C(UL) OFN FT4									
Fiber Count	Part Number ^{5,7}	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	FlxD002R9	B9z037	See table	0.18 (4.6)	12 (17)	125 (560)	50 (220)	2.8 (7.1)	1.8 (4.5)
4	FlxD004R9	B9z038	See table	0.20 (5.0)	13 (19)	125 (560)	50 (220)	3.0 (7.6)	2.0 (5.0)
6	FlxD006R9	B9z039	See table	0.22 (5.5)	15 (22)	125 (560)	50 (220)	3.3 (8.3)	2.2 (5.5)
8	FlxD008R9	B9z040	See table	0.19 (4.8)	19 (28)	150 (670)	75 (330)	2.9 (7.3)	1.9 (4.8)
12	FlxD012R9	B9z042	See table	0.26 (6.6)	22 (32)	150 (670)	75 (330)	3.9 (9.9)	2.6 (6.6)
24*	FlxD024R9	B9z601	See table	0.49 (12.5)	52 (77)	250 (1110)	125 (560)	7.4 (18.7)	5.0 (12.7)
36	FlxD036RK	B9z604	See table	0.62 (15.8)	147 (218)	750 (3340)	375 (1670)	9.3 (23.6)	6.2 (15.7)
48	FlxD048RK	B9z606	See table	0.63 (16.1)	134 (199)	640 (2850)	320 (1420)	9.5 (24.1)	6.3 (16.0)
72	FlxD072RK	B9z609	See table	0.79 (20.0)	123 (183)	950 (4230)	450 (2000)	11.9 (30.2)	7.9 (20.0)
96	FlxD096RK	B9z622	See table	0.94 (24.0)	281 (418)	1250 (5560)	625 (2780)	14.2 (36.0)	9.5 (24.1)
144	FlxD144RK	B9x619	See table	1.07 (27.1)	288 (428)	1900 (8450)	950 (4230)	16.1 (40.8)	10.7 (27.1)

5 Substitute (x) with Fiber Grade Code
6 Substitute (z) with Legacy Fiber Grade Code
7 For Aqua versions of OM4 cable, add "A" to the end of the Part Number
* Single jacket design.

Indoor UL Type OFNP / C(UL) OFNP FT6									
Fiber Count	Part Number ^{5,7}	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	FlxD002P9	B9z043	See Table	0.18 (4.6)	13 (19)	125 (560)	50 (220)	2.8 (7.1)	1.8 (4.5)
4	FlxD004P9	B9z044	See Table	0.17 (4.4)	15 (22)	125 (560)	50 (220)	2.6 (6.6)	1.7 (4.3)
6	FlxD006P9	B9z045	See Table	0.19 (4.8)	16 (23)	125 (560)	50 (220)	2.9 (7.3)	1.9 (4.8)
8	FlxD008P9	B9z046	See Table	0.22 (5.6)	21 (31)	150 (670)	75 (330)	3.3 (8.3)	2.2 (5.5)
12	FlxD012P9	B9z048	See Table	0.23 (5.8)	23 (34)	150 (670)	75 (330)	3.5 (8.8)	2.3 (5.8)
24*	FlxD024P9	B9z611	See Table	0.33 (8.3)	52 (77)	250 (1110)	125 (560)	5.0 (12.7)	3.3 (8.3)
24	FlxD024PK	B9z612	See Table	0.45 (11.5)	83 (123)	450 (2000)	225 (1000)	6.8 (17.2)	4.6 (11.6)
36	FlxD036PK	B9z614	See Table	0.59 (15.0)	171 (254)	750 (3340)	375 (1670)	8.9 (22.6)	5.9 (14.9)
48	FlxD048PK	B9z616	See Table	0.59 (15.2)	125 (186)	640 (2850)	320 (1420)	9.0 (22.8)	6.0 (15.2)
72	FlxD072PK	B9z620	See Table	0.75 (19.1)	211 (314)	950 (4230)	450 (2000)	11.3 (28.7)	7.5 (19.0)
96	FlxD096PK	B9z623	See Table	0.90 (22.9)	295 (439)	1250 (5560)	625 (2780)	13.6 (34.5)	9.0 (22.8)
144	FlxD144PK	B9z621	See Table	1.07 (27.0)	108 (160)	1900 (8450)	950 (4230)	16.0 (40.6)	10.7 (27.1)

5 Substitute (x) with Fiber Grade Code
6 Substitute (z) with Legacy Fiber Grade Code
7 For Aqua versions of OM4 cable, add "A" to the end of the Part Number
* Single jacket design.