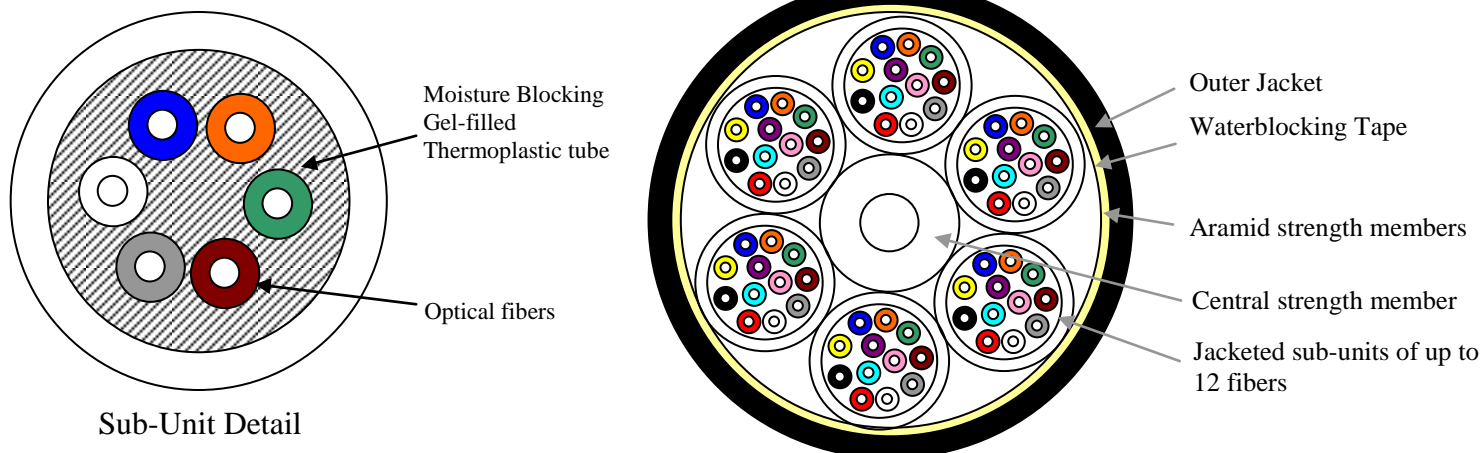


Loose Tube, Single Jacket, All Dielectric Cable

Revision Number: 22 Revision Date: 09/08/2016



Glass Type	OM1 62.5/125µm Multimode	OM2 50/125µm Multimode	OM3 50/125µm Multimode	OM4 50/125µm Multimode	OS2 Single-mode ²	OS2 Single-mode ³
Fiber Grade Code (x)	1	2	3	4	S	D
Legacy Fiber Grade Code (z)	B	A	C	E	W	*
Operating Wavelength (nm)	850/1300	850/1300	850/1300	850/1300	1310/1550	1310/1550
Min. OFL¹ Bandwidth (MHz-km)	200/600	700/500	1500/500	4700/500	-	-
Min. Laser Bandwidth⁴ (MHz-km)	220/-	950/-	2000/-	4700/-	-	-
Max Attenuation (dB/km)	3.5/1.2	3.5/1.0	3.5/1.2	3.0/1.0	.40/.30	.40/.30
1 Gigabit Ethernet Min. Link Length (meters)	275/550	600/600	1000/550	1100/550	5000/-	5000/-
10 Gigabit Ethernet Min. Link Length (meters)	33/-	82/-	300/-	400/-	10,000/40,000	10,000/40,000

1. OFL – Overfilled Launch
 2. Low water peak Single-mode suitable for CWDM use; complies with ITU G.652.c/d & G.657.a1
 3. Low water peak Single-mode suitable for CWDM use; complies with ITU G.652.c/d
 4. Effective Modal Bandwidth, determined by RML or DMD performance specifications

Physical Specifications			
Fiber Type:	See attached tables		
Buffer Type:	Loose tube - Gel-filled		
Assembly:	Color coded fibers in color coded loose tubes, around a central member		
Strength members:	Aramid / E-Glass (central member)		
Sub-unit Jacket Material:	Thermoplastic		
Outer Jacket Material:	Thermoplastic		
Listings:	See attached tables		
Temperature Ranges			
	Indoor/ Outdoor OFNR	Indoor/ Outdoor LSZH	Outdoor
Operating Temp	-40 to +70°C	-40 to +70°C	-40 to +70°C
Storage Temp	-40 to +75°C	-40 to +75°C	-40 to +75°C
Installation Temp	-30 to +70°C	-30 to +70°C	-30 to +70°C

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

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Indoor/Outdoor UL Type OFNR / C(UL) OFNR FT4

Fiber Count	SPN Part Number ⁴	Legacy 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)
4	FDxL004RF	N/A	Black	0.38 (9.7)	80 (118)	600 (2670)	200 (890)	7.6 (19.4)	5.7 (14.6)
6*	FDxL006RF	B9z810	Black	0.38 (9.7)	81 (120)	600 (2670)	200 (890)	7.6 (19.4)	5.7 (14.6)
12*	FDxL012RF	B9z811	Black	0.38 (9.7)	81 (120)	600 (2670)	200 (890)	7.6 (19.4)	5.7 (14.6)
12	FDxL012RG	N/A	Black	0.41 (10.4)	60 (89)	600 (2670)	200 (890)	8.2 (20.8)	6.2 (15.7)
24*	FDxL024RF	B9z812	Black	0.38 (9.7)	81 (120)	600 (2670)	200 (890)	7.6 (19.4)	5.7 (14.6)
24	FDxL024RG	N/A	Black	0.41 (10.4)	60 (89)	600 (2670)	200 (890)	8.2 (20.8)	6.2 (15.7)
36*	FDxL036RF	B9z813	Black	0.38 (9.7)	81 (120)	600 (2670)	200 (890)	7.6 (19.4)	5.7 (14.6)
36	FDxL036RG	N/A	Black	0.41 (10.4)	60 (89)	600 (2670)	200 (890)	8.2 (20.8)	6.2 (15.7)
48	FDxL048RG	B9z814	Black	0.48 (12.2)	105 (155)	600 (2670)	200 (890)	9.6 (24.4)	7.2 (18.3)
72	FDxL072RG	B9z815	Black	0.48 (12.2)	105 (155)	600 (2670)	200 (890)	9.6 (24.4)	7.2 (18.3)
96	FDxL096RG	B9z816	Black	0.55 (14.0)	131 (193)	600 (2670)	200 (890)	11.0 (28.0)	8.3 (21.0)
144	FDxL144RG	B9z817	Black	0.70 (17.8)	218 (322)	600 (2670)	200 (890)	14.0 (35.6)	10.5 (26.7)

* 6F/Tube Design

4 Substitute (x) with Fiber Grade Code

5 Substitute (z) with Legacy Fiber Grade Code

Indoor/Outdoor LSZH – ABS Approved - UL Type OFNR / C(UL) OFNR FT4

Fiber Count	SPN Part Number ⁴	Legacy 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)
6*	FDxL006LF	B9z830	Black	0.38 (9.6)	63 (93)	600 (2670)	200 (890)	7.6 (19.3)	5.7 (14.5)
12	FDxL012LG	B9z831	Black	0.38 (9.6)	60 (89)	600 (2670)	200 (890)	7.6 (19.3)	5.7 (14.5)
24	FDxL024LG	B9z832	Black	0.38 (9.6)	61 (90)	600 (2670)	200 (890)	7.6 (19.3)	5.7 (14.5)
36	FDxL036LG	B9z833	Black	0.38 (9.6)	60 (89)	600 (2670)	200 (890)	7.6 (19.3)	5.7 (14.5)
48	FDxL048LG	B9z834	Black	0.48 (12)	92 (136)	600 (2670)	200 (890)	9.6 (24.4)	7.2 (18.3)

* 6F/Tube Design

4 Substitute (x) with Fiber Grade Code

5 Substitute (z) with Legacy Fiber Grade Code

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Outdoor									
Fiber Count	SPN Part Number ⁴	Legacy 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)
6*	FSxL006NF	B9z510T	Black	0.36 (9.1)	59 (87)	600 (2670)	200 (890)	7.2 (18.2)	5.4 (13.7)
12*	FSxL012NF	B9z511T	Black	0.36 (9.1)	59 (87)	600 (2670)	200 (890)	7.2 (18.2)	5.4 (13.7)
12	FSxL012NG	N/A	Black	0.41 (10)	56 (83)	600 (2670)	200 (890)	8.2 (20.8)	4.1 (10.4)
24*	FSxL024NF	B9z500T	Black	0.36 (9.1)	59 (87)	600 (2670)	200 (890)	7.2 (18.2)	5.4 (13.7)
24	FSxL024NG	N/A	Black	0.41 (10)	56 (83)	600 (2670)	200 (890)	8.2 (20.8)	4.1 (10.4)
36*	FSxL036NF	B9z502T	Black	0.36 (9.1)	61 (90)	600 (2670)	200 (890)	7.2 (18.2)	5.4 (13.7)
36	FSxL036NG	N/A	Black	0.41 (10)	56 (83)	600 (2670)	200 (890)	8.2 (20.8)	4.1 (10.4)
48	FSxL048NG	B9z505T	Black	0.46 (11.7)	83 (123)	600 (2670)	200 (890)	9.2 (23.4)	6.9 (17.6)
72	FSxL072NG	B9z507T	Black	0.46 (11.7)	84 (124)	600 (2670)	200 (890)	9.2 (23.4)	6.9 (17.6)
96	FSxL096NG	B9z513T	Black	0.53 (13.5)	102 (151)	600 (2670)	200 (890)	10.6 (27.0)	7.95 (20.3)
144	FSxL144NG	B9z509T	Black	0.68 (17.3)	155 (229)	600 (2670)	200 (890)	13.6 (34.6)	10.2 (26.0)
216	FSxL216NG	B9z520T	Black	0.69 (17.0)	150 (223)	600 (2670)	200 (890)	13.8 (35.1)	6.9 (17.5)

* 6F/Tube Design
⁴ Substitute (x) with Fiber Grade Code
⁵ Substitute (z) with Legacy Fiber Grade Code