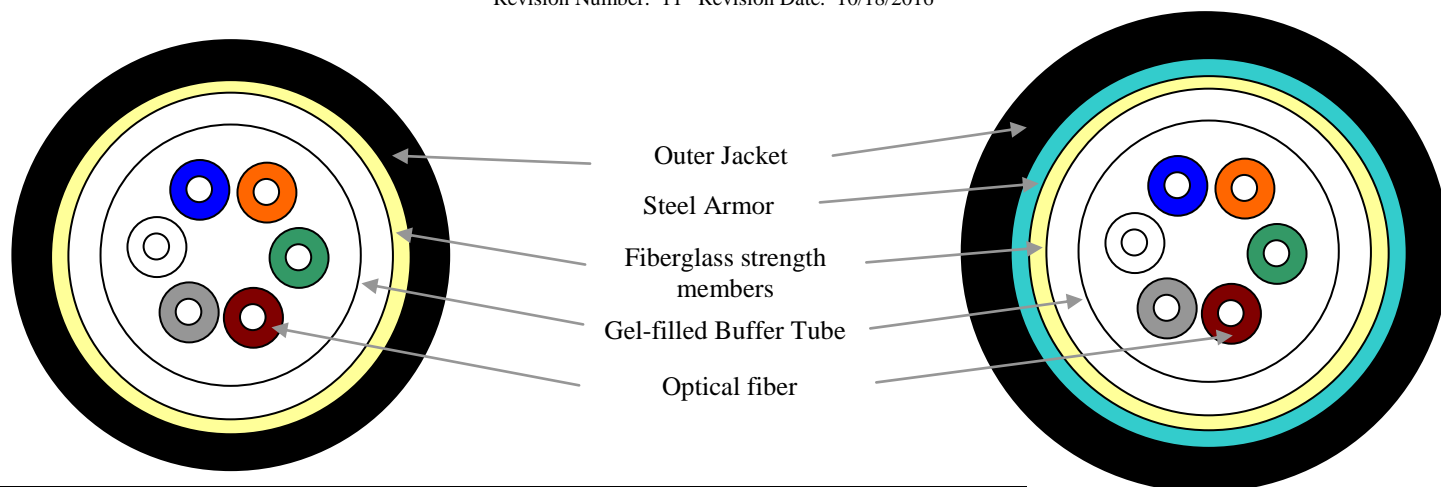


Central Tube Cable

Revision Number: 11 Revision Date: 10/18/2016



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
Legacy Fiber Grade Code (z)	B	A	C	E	W
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	3.0/1.0	3.0/1.0	3.0/1.0	0.4/0.3
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.652.c/d & G.657.a1
- Effective Modal Bandwidth, determined by RML or DMD performance specifications

Physical Specifications

Fiber Type:	See attached tables
Buffer:	None
Assembly:	Color coded fibers in a gel-filled loose tube
Strength members:	Water-swellable Fiberglass Yarns
Armor:	Corrugated Steel (see tables where applicable)
Jacket Material:	OSP Non LSZH Polyethylene / Low Smoke Zero Halogen / OFNR PVC
Listing	None

Temperature Ranges

Operating Temp	-40 to +70°C
Storage Temp	-40 to +75°C
Installation Temp	-20 to +70°C

These cables are suitable for direct burial. In rocky soil or in rodent infested areas, the armored cables are recommended.

Central Tube Cable

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Outdoor									
Fiber Count	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)
2	FSxC002N0	B9z150	Black	0.31 (7.8)	34 (50)	600 (2670)	200 (890)	6.3 (16.0)	3.1 (7.8)
4	FSxC004N0	B9z151	Black	0.31 (7.8)	34 (50)	600 (2670)	200 (890)	6.3 (16.0)	3.1 (7.8)
6	FSxC006N0	B9z152	Black	0.31 (7.8)	34 (50)	600 (2670)	200 (890)	6.3 (16.0)	3.1 (7.8)
8	FSxC008N0	B9z153	Black	0.31 (7.8)	34 (50)	600 (2670)	200 (890)	6.3 (16.0)	3.1 (7.8)
10	FSxC010N0	B9z154	Black	0.31 (7.8)	34 (50)	600 (2670)	200 (890)	6.3 (16.0)	3.1 (7.8)
12	FSxC012N0	B9z155	Black	0.31 (7.8)	34 (50)	600 (2670)	200 (890)	6.3 (16.0)	3.1 (7.8)

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

Outdoor Armored									
Fiber Count	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)
2	FSxC00260	B9z170	Black	0.48 (12.1)	95 (141)	600 (2670)	200 (890)	9.6 (243)	4.8 (121)
4	FSxC00460	B9z171	Black	0.48 (12.1)	95 (141)	600 (2670)	200 (890)	9.6 (243)	4.8 (121)
6	FSxC00660	B9z172	Black	0.48 (12.1)	95 (141)	600 (2670)	200 (890)	9.6 (243)	4.8 (121)
8	FSxC00860	B9z173	Black	0.48 (12.1)	95 (141)	600 (2670)	200 (890)	9.6 (243)	4.8 (121)
10	FSxC01060	B9z174	Black	0.48 (12.1)	95 (141)	600 (2670)	200 (890)	9.6 (243)	4.8 (121)
12	FSxC01260	B9z175	Black	0.48 (12.1)	95 (141)	600 (2670)	200 (890)	9.6 (243)	4.8 (121)

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

Outdoor LSZH									
Fiber Count	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)
2	FSxC002M0	B9z160	Black	0.31 (7.8)	45 (67)	600 (2670)	200 (890)	6.3 (16.0)	3.1 (7.8)
4	FSxC004M0	B9z161	Black	0.31 (7.8)	45 (67)	600 (2670)	200 (890)	6.3 (16.0)	3.1 (7.8)
6	FSxC006M0	B9z162	Black	0.31 (7.8)	45 (67)	600 (2670)	200 (890)	6.3 (16.0)	3.1 (7.8)
8	FSxC008M0	B9z163	Black	0.31 (7.8)	45 (67)	600 (2670)	200 (890)	6.3 (16.0)	3.1 (7.8)
10	FSxC010M0	B9z164	Black	0.31 (7.8)	45 (67)	600 (2670)	200 (890)	6.3 (16.0)	3.1 (7.8)
12	FSxC012M0	B9z165	Black	0.31 (7.8)	45 (67)	600 (2670)	200 (890)	6.3 (16.0)	3.1 (7.8)

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

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Outdoor LSZH Armored

Fiber Count	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)
2	FSxC002K0	B9z180	Black	0.48 (12.1)	95 (141)	600 (2670)	200 (890)	9.6 (243)	4.8 (121)
4	FSxC004K0	B9z181	Black	0.48 (12.1)	95 (141)	600 (2670)	200 (890)	9.6 (243)	4.8 (121)
6	FSxC006K0	B9z182	Black	0.48 (12.1)	95 (141)	600 (2670)	200 (890)	9.6 (243)	4.8 (121)
8	FSxC008K0	B9z183	Black	0.48 (12.1)	95 (141)	600 (2670)	200 (890)	9.6 (243)	4.8 (121)
10	FSxC010K0	B9z184	Black	0.48 (12.1)	95 (141)	600 (2670)	200 (890)	9.6 (243)	4.8 (121)
12	FSxC012K0	B9z185	Black	0.48 (12.1)	95 (141)	600 (2670)	200 (890)	9.6 (243)	4.8 (121)

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

In/Outdoor OFNR

Fiber Count	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)
2	FDxC002R0	B9z802	Black	0.31 (7.8)	34 (50)	600 (2670)	200 (890)	6.3 (16.0)	3.1 (7.8)
4	FDxC004R0	B9z803	Black	0.31 (7.8)	34 (50)	600 (2670)	200 (890)	6.3 (16.0)	3.1 (7.8)
6	FDxC006R0	B9z804	Black	0.31 (7.8)	34 (50)	600 (2670)	200 (890)	6.3 (16.0)	3.1 (7.8)
8	FDxC008R0	B9z805	Black	0.31 (7.8)	34 (50)	600 (2670)	200 (890)	6.3 (16.0)	3.1 (7.8)
10	FDxC010R0	-	Black	0.31 (7.8)	34 (50)	600 (2670)	200 (890)	6.3 (16.0)	3.1 (7.8)
12	FDxC012R0	B9z806	Black	0.31 (7.8)	34 (50)	600 (2670)	200 (890)	6.3 (16.0)	3.1 (7.8)

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