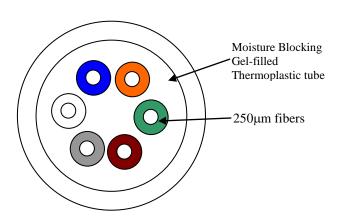


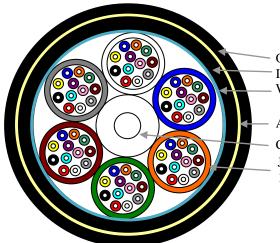
## TECHNICAL DATA



# Loose Tube, Heavy-Duty, Double Jacket Cable

Revision Number: 9 Revision Date: 10/24/16





Outer Jacket Inner Jacket Waterblocking Tape

Aramid strength members Central Strength Member Jacketed sub-units of up to 12 fibers

#### Sub-unit Detail

	OM1	01/12	01/12	01/2		
CI T	OM1	OM2	OM3	OM4	OS2	
Glass Type	62.5/125μm			50/125μm	Single-mode <sup>2</sup>	
	Multimode			Multimode		
Fiber Grade Code	1	2	3	4	S	
(x)	-			•		
Legacy Fiber	В	Α	C	E	W	
Grade Code (x)	<b>D</b>	А	<u> </u>	15		
Operating	850/1300	850/1300	850/1300	850/1300	1310/1550	
Wavelength (nm)	650/1500	630/1300	830/1300	830/1300	1310/1330	
Min. OFL <sup>1</sup>						
Bandwidth	200/500	500/500	1500/500	3500/500	-	
(MHz-km)	(MHz-km)					
Min. Laser						
Bandwidth <sup>3</sup>	220/-	950/-	2000/-	4700/-	-	
(MHz-km)						
Max Attenuation	3.5/1.2	3.0/1.0	3.0/1.0	3.0/1.0	25/25	
(dB/km)	3.3/1.2	3.0/1.0	3.0/1.0	3.0/1.0	.35/.25	
1 Gigabit Ethernet						
Min. Link Length	275/550	600/600	1000/550	1100/550	5000/-	
(meters)	(meters)				  -	
10 Gigabit						
Ethernet Min.	22/	02/	2007	400/	10.000/	
Link Length	33/-	82/-	300/-	400/-	10,000/-	
(meters)						
` ′				l		

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			
	_			

- 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. Effective Modal Bandwidth, determined by RML or DMD performance specifications

Physical Specifications			
Fiber Type:	See attached tables		
Buffer Type:	Loose tube – gel-filled		
Aggambles	Color coded fibers in color coded loose		
Assembly:	tubes, around a central member		
Strength members:	Aramid / E-Glass (central member)		
Inner Jacket Material:	Thermoplastic		
Outer Jacket Material:	Thermoplastic		

Temperature Ranges				
<b>Operating Temp</b>	-40 to +70°C			
Storage Temp	-40 to +75°C			
<b>Installation Temp</b>	-30 to +70°C			
mountain rump	20 10 170 0			

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## **TECHNICAL DATA**



# Loose Tube, Heavy-Duty, Double Jacket Cable Revision Number: 9 Revision Date: 10/24/16

Outdoor									
Fiber Count	SPN Part Number <sup>4</sup>	Legacy Part Number <sup>5</sup>	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	FSxH002NL	B9z840	Black	0.44 (11.2)	79 (117)	600 (2670)	200 (890)	8.8 (22.4)	4.4 (11.2)
4	FSxH004NM	B9z841	Black	0.44 (11.2)	79 (117)	600 (2670)	200 (890)	8.8 (22.4)	4.4 (11.2)
6*	FSxH006NF	B9z842	Black	0.44 (11.2)	79 (117)	600 (2670)	200 (890)	8.8 (22.4)	4.4 (11.2)
8	FSxH008NN	B9z843	Black	0.44 (11.2)	79 (117)	600 (2670)	200 (890)	8.8 (22.4)	4.4 (11.2)
12*	FSxH012NF	B9z844	Black	0.44 (11.2)	79 (117)	600 (2670)	200 (890)	8.8 (22.4)	4.4 (11.2)
12	FSxH012NG	N/A	Black	0.49 (12.4)	84 (124)	600 (2670)	200 (890)	9.8 (24.9)	4.9 (12.5)
18*	FSxH018NF	B9z845	Black	0.44 (11.2)	79 (117)	600 (2670)	200 (890)	8.8 (22.4)	4.4 (11.2)
24*	FSxH024NF	B9z846	Black	0.44 (11.2)	79 (117)	600 (2670)	200 (890)	8.8 (22.4)	4.4 (11.2)
24	FSxH024NG	N/A	Black	0.49 (12.4)	84 (124)	600 (2670)	200 (890)	9.8 (24.9)	4.9 (12.5)
36*	FSxH036NF	B9z847	Black	0.44 (11.2)	79 (117)	600 (2670)	200 (890)	8.8 (22.4)	4.4 (11.2)
36	FSxH036NG	N/A	Black	0.49 (12.4)	84 (124)	600 (2670)	200 (890)	9.8 (24.9)	4.9 (12.5)
48	FSxH048NG	B9z848	Black	0.54 (13.7)	121 (180)	600 (2670)	200 (890)	10.8 (27.4)	5.4 (13.7)
72	FSxH072NG	B9z849	Black	0.54 (13.7)	121 (180)	600 (2670)	200 (890)	10.8 (27.4)	5.4 (13.7)
96	FSxH096NG	B9z820	Black	0.62 (15.7)	159 (237)	600 (2670)	200 (890)	12.4 (31.5)	6.2 (15.7)
144	FSxH144NG	B9z821	Black	0.75 (19.0)	185 (275)	600 (2670)	200 (890)	15 (38.1)	7.5 (19.0)
216	FSxH216NG	B9z822	Black	0.76 (19.3)	188 (279)	600 (2670)	200 (890)	15.2 (38.6)	7.6 (19.3)

<sup>4</sup> Substitute (x) with Fiber Grade Code

<sup>5</sup> Substitute (z) with Legacy Fiber Grade Code

<sup>\*6</sup>F/Tube Design