

Distribution Cables

Tight Buffer – Indoor Plenum Rated

Applications

- Low to high fiber count requirements
- In-building backbone
- Fiber-to-the-desk applications
- Computer room

Product Description

Flexible thermoplastic jacket provides excellent handling characteristics. Fibers and cable sub-units are color coded for easy identification. Length markings in meters for easy determination of cable length. Full dielectric construction, no grounding required. For Riser offering, MSHA approved cables are available.

Jacket Material	
Non-unitized Plenum	PVC
Unitized Plenum	PVDF
Tight Buffer	
Plenum	PVC
Strength Member	
	Aramid Yarn
Color Code (Tight Buffer)	
	Per EIA/TIA 598-A, see page 16.24
Jacket Color	
Single-mode	Yellow
62.5/125 μm	Orange (Green for LSZH only)
50/125 μm/1 Gbe	Orange
50/125 μm/10 Gbe	Aqua

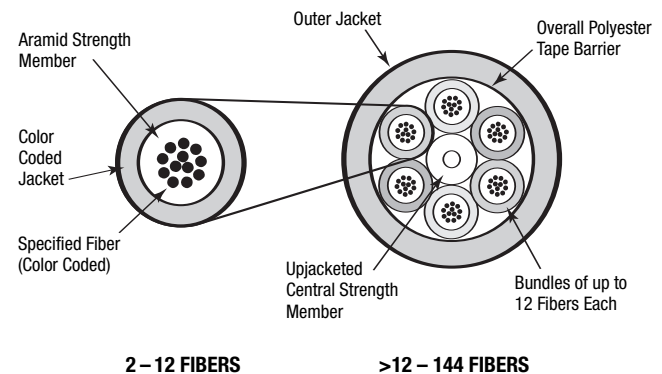
Ratings

Plenum	
UL Type	OFNP
cUL Type	OFN FT6
Flame resistance	NFPA 262

Specifications

Temperature Range	
Storage	-40 to +80°C
Operating	-20 to +70°C
Crush Resistance (EIA-455-41)	
	2000 N/cm
Impact Resistance (EIA-455-25)	
	2000 Impacts @ 1.6 N-m
Cyclic Flexing (EIA-455-104)	
	2000 cycles, min.
Min. Bend Radius	
Installation	15xOD
Long term	10xOD
Optical Specifications	
	see page 16.24

Fiber Bundle Detail



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No. of Fibers	Belden Part Number				Outside Diameter		Weight		Max. Install Load	
	62.5/125 µm Std./1 Gbe	50.0/125 µm Std./1 Gbe	50.0/125 µm 10 Gbe - 300M	Single-Mode Enhanced	inch	mm	lbs./1000'	kg/km	lbs.	N

Distribution Cable Series

Plenum (NEC/CEC OFNP/OFN FT6)

2	M9B043	M9A043	M9C043	M9W043	0.184	4.67	14	21	180	801
4	M9B044	M9A044	M9C044	M9W044	0.174	4.42	13	19	195	867
6	M9B045	M9A045	M9C045	M9W045	0.190	4.83	16	24	270	1201
8	M9B046	M9A046	M9C046	M9W046	0.222	5.64	19	28	270	1201
12	M9B048	M9A048	M9C048	M9W048	0.225	5.72	22	33	300	1334
24	M9B611*	M9A611*	M9C611*	M9W611*	0.330	8.38	40	60	390	1735
24	M9B612	M9A612	M9C612	M9W612	0.493	12.52	89	132	1263	5618
36	M9B614	M9A614	M9C614	M9W614	0.594	15.09	134	199	1913	8509
48	M9B616	M9A616	M9C616	M9W616	0.599	15.21	131	195	1245	5538
72	M9B620	M9A620	M9C620	M9W620	0.754	19.15	197	293	2093	9310
96	M9B623	M9A623	M9C623	M9W623	0.904	22.96	268	399	2160	9608
144	M9B621	M9A621	M9C621	M9W621	1.047	26.59	365	543	3645	16213

Composite Plenum Cables

6xSM/ 6x62.5	M97174
6xSM/ 12x62.5	M97041
12xSM/ 12x62.5	M97219
6xSM/ 6x50	M97412
6xSM/ 12x50	M97411
12xSM/ 12x50	M96780

Construction for LSZH cables differs from the drawing. Alternative fiber counts are available.

* Single jacket design.