



INDOOR/OUTDOOR TIGHT BUFFERED (Plenum) NON-ARMORED Made in the USA

DESCRIPTION

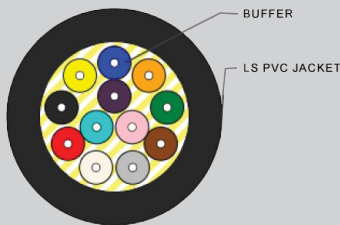
Indoor/Outdoor Tight-Buffer Plenum Cable, Non-Armored Jacket, 6-12-Fiber, 50-µm OM4 (Multimode) – Made in the USA

FEATURES

- Tight buffered construction
- Color-coded for easy identification
- 900-µm buffer construction
- UV and fungus resistant jacket
- Dry, super absorbent polymers (SAPs) eliminate water migration in cable interstices
- Utilizes bend-insensitive optical fibers
- Meets or exceeds ANSI/TIA-568.3-D
- Eliminates need for innerduct or conduit
- Suitable for lashed aerial, duct, underground conduit and indoor plenum applications
- REACH & RoHS 2 compliant

APPLICATIONS

- 10, 40 & 100 gigabit Ethernet, Fiber Channel, Video, Security, Automation



PART NUMBERS — 2-144 FIBERS

261-13404P	6-Fiber Tight Buffer OM4 NON-ARMORED
261-13408P	12-Fiber Tight Buffer OM4 NON-ARMORED

Transmission Performance

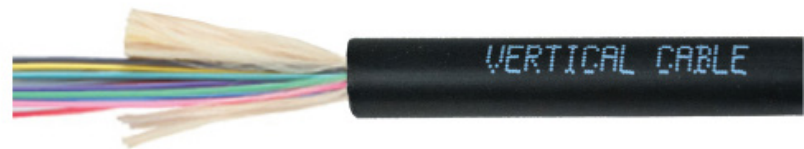
Type of Fiber	IEC 60793-2-10 Type A1-OM4
Max Attenuation	3.0 dB/km at 850 nm 1.0 dB/km at 1300 nm
Min OFL Bandwidth	3500 MHz-km at 850 nm 500 MHz-km at 1300 nm
Min EMBc Bandwidth	4700 MHz-km at 850 nm
Gb Ethernet distance	1100 m at 850 nm 550 m at 1300 nm
10 Gb Ethernet distance	550 m at 850 nm

Installation Requirements — Mechanical & Environmental

Temperature	Storage: -40°C to +70°C (-40° F to 158°F) Installation: 0°C to +60°C (32°F To 140°F) Operating: -40°C to +70°C (-40°F To 158°F)
Min. Bend Radius	During Installation: 10.20 in (20X) After Installation: 5.10 in (15X)
Tensile Strength	HCA Distribution 8 Fibers to 12 Fibers 712 N (160 lbf) / 214 N (48 lbf)

Standards and Certifications

ICEA S-104-696, ANSI/TIA-568.3-D, ISO/IEC 11801 (2nd Ed.)



VERTICAL CABLE

800.749.2447 Florida
951.696.7772 California
845.391.8318 New York

MADE IN USA

www.verticalcable.com

Rev. 08/2022

Specs subject to change without notice.
It is the sole responsibility of the user to have the most current specs.

Construction		
Fiber	Multimode OM4 50/125	
Fiber Count	6	12
Tight Buffer O.D. Nom.	0.035 in (0.89 mm)	
Jacket Material	LS PVC (Black)	
Inner Jacket O.D. Nom.	0.190 in (4.8 mm)	0.230 in (5.8 mm)
Final O.D.	0.510 in. (12.95 mm)	0.510 in. (12.95 mm)
Jacket Printing		
VERTICAL CABLE X-FIBER 50/125 OM4 TIGHT BUFFER INDOOR/OUTDOOR PLENUM CABLE E188900 OFNP FT6 c(UL)us OFNP V2368 ZZ/YY (JOB) XXXXXX FEET		
NOTE: ZZ = MONTH OF MFG, YY = YEAR OF MFG, XXXXXX = SEQUENTIAL MARKING, X = NUMBER OF FIBERS		

Mechanical Cont...	
Impact	4.4 N-m (3.0 kg @ 150 mm drop)
Compression	220 N/cm (125 lbf/in)

Specifications by Fiber Count									
Recommended Maximum Loads									
FIBERS	FIBERS/TUBE	CABLE O.D.		INSTALL		OPERATION		CABLE WEIGHT	
		inches	mm	lbs-f	N	lbs-f	N	lbs/1000ft	kg/1000bm
2	2	0.48	12.192	300	1335	100	445	100.4	149.4
4	4	0.48	12.192	300	1335	100	445	101.7	151.4
6	6	0.51	12.954	300	1335	90	400	90.6	134.8
8	8	0.52	13.208	300	1335	100	445	109.1	162.4
12	12	0.52	13.208	300	1335	90	400	94.1	140.0
24	24	0.64	16.256	300	1335	100	445	164.1	244.2

Related Products You May Also Like					
Fibers	62.5 UM OM1	50 UM OM3	50 UM OM4		8.3 UM OS2
			Armored	Non-Armored	
6	261-13104P	261-13328P	261-13426P	261-13404P	261-13956P
12	261-13110P	261-13334P	261-13430P 261-13408P		261-13962P
24		261-13336P			261-13964P
48					261-13966P

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Optical Specifications:

Fiber type	Max. Attenuation (dB/km)		Min OFL Bandwidth (MHz-km)		Min EMBc Bandwidth (MHz-km)		Gb Ethernet distance (m)		10 Gb Ethernet distance(m)	
	850nm (MM)	1300nm (MM)	850nm (MM)	1300nm (MM)	850nm (MM)	1300nm (MM)	850nm (MM)	1300nm (MM)	850nm (MM)	1300nm (MM)
OM1	3.5	1.0	200	500	220	N/A	300	550	33	N/A
OM2	3.0	1.0	700	500	950	N/A	750	550	150	N/A
OM3	3.0	1.0	1500	500	2000	N/A	1000	550	300	N/A
OM4	3.0	1.0	3500	500	4700	N/A	1100	550	550	N/A
OM5*	3.0	1.0	3500	500	4700	N/A	1100	550	550	N/A
		1550nm (SM)	1310nm (SM)	1550nm (SM)	1310nm (SM)	1550nm (SM)	1310nm (SM)	1550nm (SM)	1310nm (SM)	
OS2	0.5	0.5	N/A	N/A	N/A	N/A	> 25,000	> 40,000	10,000 - 25,000	40,000

*OM5 optical fiber tested by glass manufacturer and exceeds the requirements of all applicable industry standards.

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