

INDOOR/OUTDOOR OM4 TIGHT BUFFER (PLENUM) ARMORED



DESCRIPTION

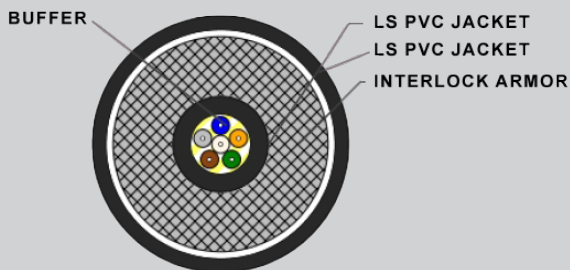
Made in the USA – Indoor/Outdoor Tight-Buffer Plenum Cable, Armored, 6-12 Fibers, 50-µm OM4 (Multimode)

FEATURES

- Aluminum interlocked armor
- Flexible and easy to handle
- 900-µm buffer construction
- UV and fungus resistant jacket
- Dry SAP (super-absorbent polymers) fillers prevent water migration in cable interstices
- Utilizes bend-insensitive optical fibers
- Meets or exceeds ANSI/TIA-568.3-D specifications
- Eliminates need for innerduct or conduit
- Suitable for outdoor (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 — 2-12 FIBERS	
261-13426P	6 FIBERS TIGHT BUFFERED OM4 ARMORED
261-13430P	12 FIBERS TIGHT BUFFERED OM4 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
1Gbit Ethernet distance	1100 m at 850 nm 550 m at 1300 nm
10Gbit 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)
Minimum Bend Radius	During Installation: 10 in (20X) After Installation: 5 in (15X)
Max tensile load	1335 N (300 lbf) under load 400 N (90 lbf) at rest
Impact	4.4 N-m (3.0 kg @ 150 mm drop)
Compression	220 N/cm (125 lbf/in)

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

VC fiber **MADE IN USA**

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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
Interlock Armor	Aluminum Armor Applied Over Core Cable	
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 ARMORED PLENUM CABLE E188900 OFCP FT6 c(UL)us OFCP V2368 ZZ/YY (JOB) XXXXXX FEET NOTE: ZZ = MONTH OF MFG, YY = YEAR OF MFG, XXXXXX = SEQUENTIAL MARKING		

Mechanical characteristics								
Recommended Maximum Loads								
FIBERS	CABLE O.D.		INSTALLATION		OPERATION		CABLE WEIGHT	
	in.	mm	lb-f	N	lb-f	N	lb/1000 ft	kg/1000 m
6	0.51	12.95	300	1335	90	400	90.6	134.8
12	0.51	12.95	300	1335	90	400	94.1	140

Transmission performance										
FIBER TYPE	MAX ATTENUATION (dB/km)		MIN OFL BANDWIDTH (MHz-km)		MIN. EMBc BANDWIDTH (MHz-km)		1Gbit ETHERNET DISTANCE (m)		10Gbit ETHERNET DISTANCE (m)	
	850 nm	1300 nm	850 nm	1300 nm	850 nm	1300 nm	850 nm	1300 nm	850 nm	1300 nm
OM4	3.0	1.0	3500	500	4700	N/A	1100	550	550	N/A

Related Products You May Also Like					
Fibers	OM1	OM3	OM4		OS2
	62.5 micron	50 micron	50 micron		8.3 micron
			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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