



DESCRIPTION

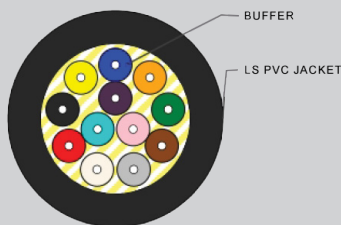
Indoor/Outdoor Tight-Buffer Plenum Cable,
Non-Armored Jacket, 6-48-Fiber, 8.3- μ m
OS2 (Singlemode) – Made in the USA

FEATURES

- Tight buffered construction
- Color-coded for easy identification
- 900- μ m 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
- 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



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

PART NUMBERS — 6-48 FIBERS

261-13956P	6-Fiber Tight Buffer OS2 NON-ARMORED
261-13962P	12-Fiber Tight Buffer OS2 NON-ARMORED
261-13964P	24-Fiber Tight Buffer OS2 NON-ARMORED
261-13966P	48-Fiber Tight Buffer OS2 NON-ARMORED

Transmission Performance

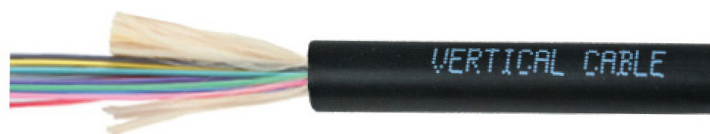
Type of Fiber	IEC 60793-2-10 Type OS2
Max Attenuation	0.5 dB/km at 1310 nm 0.5 dB/km at 1550 nm
Gb Ethernet distance	> 25,000 m at 1310 nm > 40,000 m at 1550 nm
10 Gb Ethernet distance	10,000 - 25,000 m at 1310 nm 40,000 m at 1550 nm

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 (10X)
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.), Telecordia GR-409-CORE



VERTICAL CABLE

800.749.2447 Florida
951.696.7772 California
845.391.8318 New York

MADE IN USA

www.verticalcable.com

Rev. 02/2023

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

Construction				
Fiber	Singlemode OS2 8.3/125			
Fiber Count	6	12	24	48
Tight Buffer O.D. Nom.	0.035 in (0.89 mm)			
Jacket Material	LS PVC (Black)			
Inner Jacket O.D. Nom.	N/A	N/A	N/A	0.230 in (5.8 mm)
Final O.D.	0.190 in. (4.8 mm)	0.230 in. (5.8 mm)	0.330 in. (8.4 mm)	0.627 in. (15.9 mm)
Jacket Printing				
VERTICAL CABLE X-FIBER 8.3/125 OS2 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				

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/1000m
6	6	0.19	4.83	128	570	38	171	17.7	26.3
12	12	0.23	5.84	160	712	48	214	25.7	38.2
24	24	0.33	8.38	288	1282	86	385	48.5	72.18
48	12	0.63	15.9	600	2670	180	801	140.6	209.24

Related Products You May Also Like					
Fibers	62.5 UM OM1	50 UM OM3	50 UM OM4		8.3 UM OS2
			Armored	Non-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)	
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
	1310nm (SM)	1550nm (SM)	1310nm (SM)	1550nm (SM)	1310nm (SM)	1550nm (SM)	1310nm (SM)	1550nm (SM)	1310nm (SM)	1550nm (SM)
OS2	0.5	0.5	N/A	N/A	N/A	N/A	> 25,000	> 40,000	10,000 - 25,000	40,000

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