

Search...

Search


[DATA CENTERS \(HTTP://WWW.OPTICONX.COM/DATA-CENTERS/\)](http://www.opticonx.com/data-centers/)

[CATV/TELCO \(HTTP://WWW.OPTICONX.COM/CATVTELCO/\)](http://www.opticonx.com/catv/telco/)

[LAN/CAMPUS \(HTTP://WWW.OPTICONX.COM/LANCAMPUS/\)](http://www.opticonx.com/lan/campus/)

[OEM \(HTTP://WWW.OPTICONX.COM/OEM/\)](http://www.opticonx.com/oem/)

[\(888\) 748-6855 \(tel:888.748.6855\)](tel:888.748.6855)

 Made in the USA

Indoor/Outdoor Cables



<http://www.opticonx.com/wp-content/uploads/2014/12/Indoor-Outdoor-Cable-A.png>

Indoor/Outdoor Cables

(click image to zoom in)

Opticonx Indoor/Outdoor Micro-Distribution Cables utilize 3.0 mm sub-units of twelve 250µm color-coded buffered optical fibers, surrounded by dielectric strength members and jacket. The sub-units are cabled with additional dielectric strength members and a

flame retardant overall jacket. These cables are ideally suited for pre-connectorized MTP® trunk cables but can also be field terminated using [Opticonx SPKL series breakout kits \(http://www.opticonx.com/wp-content/uploads/2016/01/spkl-spec.pdf\)](http://www.opticonx.com/wp-content/uploads/2016/01/spkl-spec.pdf). These cables meet the requirements for National Electrical Code (NEC Article 770) and are OFNR and FT-4 listed for riser or general purpose applications. They are also water blocked and can be run outside between buildings.

Features and Benefits

- Color-coded fibers
- MTP® compatible 3.0mm design with integral strength members
- High Density all-dielectric design
- High Strength to withstand installation pull forces
- Outdoor water blocked and indoor riser rated (OFNR) for extending beyond 50ft limit.

Standards

National Electrical Code (NEC) OFNR, CSA FT-4
UL Listed

Specification Tables

Fiber Performance Specifications for Multimode

Fiber Performance Code	21	27*	28*	29*
Fiber Designation	OM1	OM2	OM3	OM4
Core/Cladding	62.5/125um	50/125um	50/125um	50/125um
Max Attenuation dB/km @ 850/1300nm	3.5/1.0	2.8/1.0	2.8/1.0	2.8/1.0
Minimum Bandwidth (OFL) MHz.km @ 850/1300nm	200/500	700/500	1500/500	3500/500
Minimum Bandwidth (EMB) MHz.km @ 850nm	N/A	950	2000	4700

1G Transmission distance (meters) @ 850/1300nm	500/1000	750/600	1000/600	1040/600
10G Transmission distance (meters) @ 850/1300nm	66/300**	150/300**	300/300**	550/300**
40/100G Transmission distance (meters) @ 850/1300nm	N/A	N/A	100	150

**Bend Insensitive*

***10GBASE-LX4 only*

Fiber Performance Specifications for Singlemode

Fiber Performance Code	33	37*
Fiber Designation	OS2	OS2
Cladding	125um	125um
Max Attenuation dB/km @ 1310/1550nm	0.50/0.50	0.50/0.50
10G Transmission distance (kilometers) @ 1310/1550nm	80	80
40/100G Transmission distance (kilometers) @ 1310/1550nm	40	40

** Bend Insensitive*

Part Number	Description
6600FF-12	12 Fiber 250um Micro Distribution, Indoor/Outdoor, Riser Cable
6600FF-24	24 Fiber 250um Micro Distribution, Indoor/Outdoor, Riser Cable
6600FF-36	36 Fiber 250um Micro Distribution, Indoor/Outdoor, Riser Cable
6600FF-48	48 Fiber 250um Micro Distribution, Indoor/Outdoor, Riser Cable

Replace "FF" with Fiber Performance Code

Microdistribution Indoor Outdoor Specifications

General Specifications

Environment	Indoor/Outdoor
Application	Riser, General Purpose
Cable Type	250 Micron Micro Distribution
Product Type	Trunk/Backbone
Flame Rating	Riser (OFNR)

Temperature Range

Storage	-40 - 167F/-40 - 75C
Installation	32 - 167F/0 - 75C
Operation	-40 - 167F/-40 - 75C

Cable Specifications

Cable Design	Micro Distribution Water Blocked
Fiber Count	2, 4, 6, 8, 12, 24, 36, 48, 72
Fibers per Subunit	12
Strength Members	FRP Rod/Aramid Yarn

Outer Jacket Material		CPE				
Outer Jacket Color (Standard)		Black				
Mechanical Specifications		2 -12	24	36	48	72
Weight	kg/km (lbs./1000ft)	35.8 (24)	59.6 (40)	92 (62)	102 (69)	118 (79)
Nominal Outer Diameter	mm (in)	6.1 (.240)	8.6 (.336)	10.6 (.417)	10.6 (.417)	11.7 (.460)
Max. Tensile Strength, Short Term	Newtons (pounds)	1603 (360)	2227 (500)	2227 (500)	2227 (500)	2762 (600)
Max. Tensile Strength, Long Term	Newtons (pounds)	490 (110)	534 (120)	534 (120)	534 (120)	579 (130)
Min. Bend Radius Installation	cm (in)	12.05 (4.8)	17.0 (6.7)	21 (8.2)	21 (8.2)	23.4 (9.2)
Min. Bend Radius Operational	cm (in)	6.0 (24)	8.6 (3.4)	10.6 (4.2)	10.6 (4.2)	11.7 (4.6)
Standards						
Approved Listings		(UL)c(UL)				
Flame Resistance		OFNR / OFN-FT4				
RoHS		EU 2011/65/EC				
REACH		SVHC 12/16/13				

© 2020 Opticonx – fiber connectivity products and solutions, Inc. | [Terms of Use \(http://www.opticonx.com/terms-of-use/\)](http://www.opticonx.com/terms-of-use/) | [Privacy Policy \(http://www.opticonx.com/privacy-policy/\)](http://www.opticonx.com/privacy-policy/) | [How to Buy \(http://www.opticonx.com/how-to-buy/\)](http://www.opticonx.com/how-to-buy/)

45 Danco Rd., Putnam, CT 06260 | 888-748-6855

<http://www.mirandacreative.com>

MADE IN THE USA