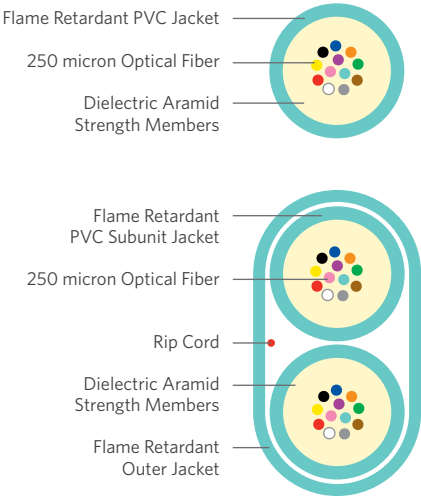
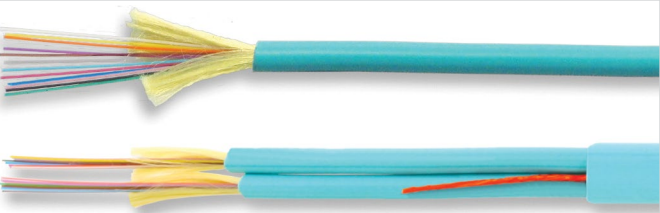


Microarray Data Center Interconnect

OFNR/OFNP



SPECIFICATIONS	
≤ 12-Fiber Configuration	250 micron optical fibers surrounded by dielectric aramid yarns in a 2 mm or a 3 mm loose tube
24-Fiber Duplex Configuration	Two 3 mm loose tubes containing twelve 250 micron optical fibers and dielectric aramid yarns; both tubes are enclosed in an overjacket
Jacket	OFNR: Flame retardant (FR) PVC OFNP: FR, low smoke PVC
Performance Compliance	UL 1651 CSA C22.2 No. 232 UL 1666 NFPA 262 Telcordia® GR-409-CORE, Issue 2 ANSI/ICEA S-83-596 ANSI/TIA-568.3-D
NRTL Programs	UL, c(UL) Listed OFNR UL, c(UL) Listed OFNP
Sustainability	UL Certified EPD HPD USGBC® Member RoHS-compliant/RoHS 2-compliant REACH-compliant

PRODUCT DESCRIPTION



FIRST MANUFACTURER IN THE INDUSTRY
to offer products that contribute toward LEED!

The Microarray Data Center Interconnect Cables from Superior Essex are designed for high performance in a small package. The 2-fiber through 12-fiber premises loose tube interconnect has an outside diameter of only 2 mm or 3 mm. The 24-fiber duplex contains two, 12-fiber 3 mm interconnect cables with an overjacket. The fibers can be fusion spliced, connectorized to high density MTP/MPO mechanical array connectors or attached to standard single ferrule mechanical connectors (LC, SC, ST, etc.) via a furcation kit. The loose fibers are surrounded by aramid yarns and a low smoke PVC (LSPVC) plenum or riser-rated jacket. Its small size allows for denser fiber routing than traditional tight buffered cables; its loose-tube construction gives it superior performance and installation ease compared to ribbon interconnect cable.

APPLICATIONS

- 10, 40, 100, 200 and 400 Gb Ethernet and legacy speeds
- Data centers
- High density installations
- MTP/MPO array connectors

FEATURES

- UL® Certified Environmental Product Declaration (EPD)
- Health Product Declaration™ (HPD™)
- 2 mm loose tube or 3 mm loose tube interconnect with two through twelve 250 micron fibers
- Meets or exceeds ANSI/ICEA S-83-596 and GR-409-CORE requirements for interconnect cable
- Plenum (OFNP) and riser (OFNR) rated designs
- Available with TeraFlex single mode, and laser-optimized 50/125 micron multimode fiber types
- Marked in feet and meters
- Designed for MTP/MPO connectors

BENEFITS

- Contributes toward 1 LEED point under the Material and Resources credit (MRc)
- Contributes toward 1 LEED point under the MRc
- Allows for direct connection to MTP/MPO array connectors
- Worry-free installation and performance
- Fire-listed cables allow placement in plenum and riser spaces
- Build your network with the fiber type that you need now or for the future
- Meets commercial and government requirements for length markings
- Economical plug and play solution

ENVIRONMENTAL SPECIFICATIONS

	Riser	Plenum
Operation	-20°C to +70°C	0°C to +70°C
Storage/Shipping	-40°C to +75°C	-40°C to +75°C
Installation	10°C to +60°C	10°C to +60°C

PART NUMBERS AND PHYSICAL CHARACTERISTICS

Listing	Part Number ¹	Fiber Count	Nominal Diameter in (mm)	Nominal Weight lbs/kft (kg/km)	Maximum Tensile Loading		Minimum Bend Radius		Package
					Install lbs (N)	Long Term lbs (N)	Install in (mm)	Long Term in (mm)	
OFNR	P3002xx01	2	0.12 (3.0)	5 (8)	80 (370)	25 (110)	1.8 (47)	1.2 (30)	Plywood reel
OFNR	P3004xx01	4	0.12 (3.0)	5 (8)	80 (370)	25 (110)	1.8 (47)	1.2 (30)	Plywood reel
OFNR	P3006xx01	6	0.12 (3.0)	5 (8)	80 (370)	25 (110)	1.8 (47)	1.2 (30)	Plywood reel
OFNR	P3008xx01	8	0.12 (3.0)	5 (8)	80 (370)	25 (110)	1.8 (47)	1.2 (30)	Plywood reel
OFNR	P3012xx01	12	0.12 (3.0)	5 (8)	80 (370)	25 (110)	1.8 (47)	1.2 (30)	Plywood reel
OFNR	P3024xxA1	24	0.17 x 0.29 (4.4 x 7.5)	22 (33)	150 (668)	25 (110)	6.0 (152)	3.0 (76)	Plywood reel
OFNP	V4002xx01	2	0.08 (2.0)	2.3 (3.4)	50 (220)	15 (70)	1.2 (30)	0.8 (20)	Plywood reel
OFNP	P4002xx01	2	0.12 (3.0)	6 (9)	80 (370)	25 (110)	1.8 (47)	1.2 (30)	Plywood reel
OFNP	V4004xx01	4	0.08 (2.0)	2.4 (3.6)	50 (220)	15 (70)	1.2 (30)	0.8 (20)	Plywood reel
OFNP	P4004xx01	4	0.12 (3.0)	6 (9)	80 (370)	25 (110)	1.8 (47)	1.2 (30)	Plywood reel
OFNP	V4006xx01	6	0.08 (2.0)	2.5 (3.8)	50 (220)	15 (70)	1.2 (30)	0.8 (20)	Plywood reel
OFNP	P4006xx01	6	0.12 (3.0)	6 (9)	80 (370)	25 (110)	1.8 (47)	1.2 (30)	Plywood reel
OFNP	V4008xx01	8	0.08 (2.0)	2.6 (3.9)	50 (220)	15 (70)	1.2 (30)	0.8 (20)	Plywood reel
OFNP	P4008xx01	8	0.12 (3.0)	6 (9)	80 (370)	25 (110)	1.8 (47)	1.2 (30)	Plywood reel
OFNP	V4012xx01	12	0.08 (2.0)	2.8 (4.1)	50 (220)	15 (70)	1.2 (30)	0.8 (20)	Plywood reel
OFNP	P4012xx01	12	0.12 (3.0)	6 (9)	80 (370)	25 (110)	1.8 (47)	1.2 (30)	Plywood reel
OFNP	P4024xxA1	24	0.17 x 0.29 (4.4 x 7.5)	25 (37)	150 (668)	25 (110)	6.0 (152)	3.0 (76)	Plywood reel

SINGLE MODE OPTICAL FIBER TYPES

	TeraFlex® Bend Resistant		
	G.657.A1	G.657.A2	G.657.B3
¹ Replace "xx" with:	K1	J1	L1
Standard Jacket Colors*	Yellow		

*Other jacket colors available upon request.

See "Optical Fiber Specifications" in the "Technical Info" section for detailed fiber type specifications.

MULTIMODE OPTICAL FIBER TYPES

	TeraFlex Bend Resistant Laser Optimized 50/125	
	10G/300	10G/550
¹ Replace "xx" with:	NG	PG
Standard Jacket Colors*	Aqua	

SUSTAINABILITY LEADERSHIP



UL and the related logo are registered trademarks of UL LLC. Health Product Declaration, HPD and the related logo are trademarks of Health Product Declaration Collaborative. Telcordia is a registered trademark of Ericsson Inc. USGBC and the related logo are registered trademarks of U.S. Green Building Council.