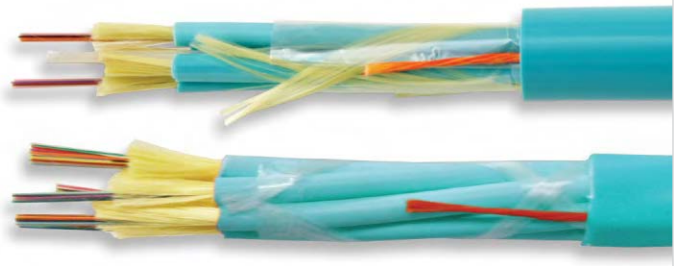
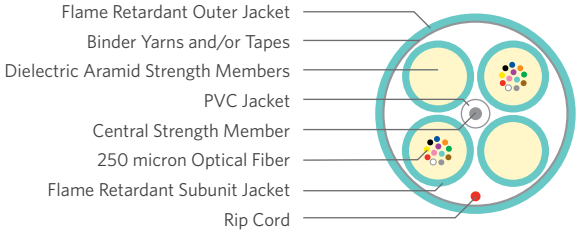
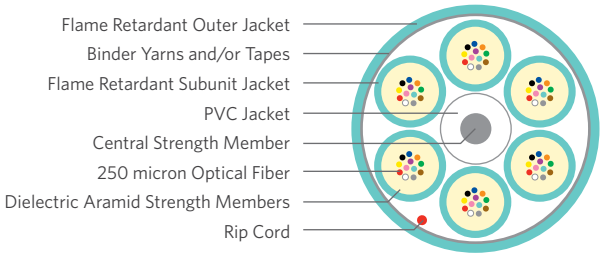
3 mm Microarray Breakout

OFNR/OFNP







PRODUCT DESCRIPTION

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

The 3 mm Microarray Breakout cable from Superior Essex is designed for high performance in a small package. The premises loose tube design consists of 12-fiber 3 mm microarray interconnect cable subunits, each of which contain twelve 250 micron fibers. The aramid yarns inside the subunit allow the subunit to be crimped directly onto an MTP®/MPO connector. The 3 mm subunits are stranded around a central strength element that is both flexible and robust enough to pass backbone installation requirements. The stranded subunits are held to the strength element core by binder yarns and/or tapes ensuring excellent temperature performance. Finally, a RoHS-compliant flexible jacket protects the core from the rigors of installation while providing riser or plenum fire protection. The cable is available with TeraFlex® single mode, and laser-optimized 50/125 micron 10G/150 (OM2+), 10G/300 (OM3) and 10G/550 (OM4) multimode fiber types.

APPLICATIONS

- 10 Gb, 40 Gb, 100 Gb Ethernet and legacy speeds
- Data centers
- Trunk applications
- High density installations
- MTP/MPO array connectors
- Outside plant (OSP) to premises transitions

FEATURES	BENEFITS
• UL® Certified Environmental Product Declaration (EPD)	• Contributes toward 1 LEED point under the Material and Resources credit (MRc)
• Health Product Declaration™ (HPD™)	• Contributes toward 1 LEED point under the MRc
• 12-fiber 3 mm loose tube interconnect subunits	• Connects directly to MTP/MPO 12-fiber array connectors
• Meets or exceeds ICEA 83-596-2001 and GR-409-CORE requirements for interconnect subunits and trunk cable	• Worry-free installation and performance
• Plenum (OFNP) and riser (OFNR) rated designs	• UL listed cables meet NEC requirements
• Available with TeraFlex single mode, and laser-optimized 50/125 micron multimode fiber types	• Build your network with the fiber type that you need now or for the future

SPECIFICATIONS

Subunit Configuration	3 mm Simplex loose tube cable with twelve 250 micron optical fibers surrounded by dielectric aramid strength members
Cable Configuration	3 mm loose tube subunits around a central strength member and surrounded by polyester yarns and an outer jacket
Subunit Marking	Unit 1, Unit 2, Unit 3, Unit 4...
Central Strength Element	Glass Reinforced Plastic (GRP) covered with a PVC jacket
Subunit/Outer 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-C.3
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

SUSTAINABILITY LEADERSHIP

UL CERTIFIED ENVIRONMENTAL PRODUCT DECLARATION UL.COM/EPD
Published HPD Health Product Declaration™ Collaborative
U.S. GREEN BUILDING COUNCIL MEMBER
RoHS REACH
greenwizard THE BUILDING PRODUCT MANAGEMENT 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

SUPERIOR ESSEX
800.551.8948
SuperiorEssex.com

Rev 7/15
Ed 13.0

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	P3024xxB1	24	0.42 (10.8)	60 (90)	150 (710)	45 (198)	7.0 (180)	3.5 (90)	Plywood reel
OFNR	P3036xxB1	36	0.42 (10.8)	60 (90)	150 (710)	45 (198)	7.0 (180)	3.5 (90)	Plywood reel
OFNR	P3048xx01	48	0.42 (10.8)	61 (91)	150 (710)	45 (198)	8.2 (210)	4.1 (105)	Plywood reel
OFNR	P3072xx01	72	0.50 (12.6)	89 (133)	150 (710)	45 (198)	10.0 (252)	5.0 (126)	Plywood reel
OFNR	P3096xx01	96	0.57 (14.5)	121 (180)	300 (1,420)	90 (396)	11.4 (290)	6.0 (152)	Plywood reel
OFNR	P3144xx01	144	0.69 (17.6)	198 (295)	300 (1,420)	90 (396)	13.8 (350)	6.9 (175)	Plywood reel
OFNP	P4024xxB1	24	0.35 (8.8)	54 (81)	150 (710)	45 (198)	5.2 (132)	3.5 (88)	Plywood reel
OFNP	P4036xxB1	36	0.35 (8.8)	54 (81)	150 (710)	45 (198)	5.2 (132)	3.5 (88)	Plywood reel
OFNP	P4048xx01	48	0.35 (8.8)	55 (82)	150 (710)	45 (198)	5.2 (132)	3.5 (88)	Plywood reel
OFNP	P4072xx01	72	0.43 (10.9)	81 (120)	150 (710)	45 (198)	6.5 (164)	4.3 (109)	Plywood reel
OFNP	P4096xx01	96	0.51 (13.0)	121 (180)	300 (1,420)	90 (396)	11.4 (290)	6.0 (152)	Plywood reel
OFNP	P4144xx01	144	0.69 (17.6)	227 (336)	300 (1,420)	90 (396)	13.8 (350)	6.9 (175)	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		

MULTIMODE OPTICAL FIBER TYPES

	TeraFlex Bend Resistant Laser Optimized 50/125		
	10G/150	10G/300	10G/550
[1]Replace "xx" with:	MG	NG	PG
Standard Jacket Colors*	Aqua		

**Other jacket colors available upon request.*
See "Optical Fiber Specifications" in the "Technical Information" section for detailed fiber type specifications.