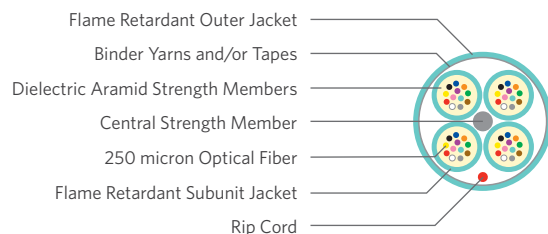


# 2 mm Microarray Breakout

OFNP



## SPECIFICATIONS

Subunit Configuration	2 mm Simplex loose tube cable with eight or twelve 250 micron optical fibers surrounded by dielectric aramid strength members
Cable Configuration	2 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)
Subunit/Outer Jacket	Flame retardant, thermoplastic
Performance Compliance	UL 1651 CSA C22.2 No. 232 NFPA 262 ANSI/ICEA S-83-596 ANSI/TIA-568.3-D
NRTL Programs	UL, c(UL) Listed OFNP
Sustainability	UL Certified EPD HPD USGBC® Member RoHS-compliant/RoHS 2-compliant REACH-compliant

## ENVIRONMENTAL SPECIFICATIONS

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

## PRODUCT DESCRIPTION



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

The 2 mm Microarray Breakout cable from Superior Essex is designed for high performance in a small package. The premises loose tube design consists of 8 or 12-fiber 2 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 2 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 plenum fire protection. The cable is available with TeraFlex® single mode, and TeraFlex 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

- UL® Certified Environmental Product Declaration (EPD)
- Health Product Declaration™ (HPD™)
- 8 or 12-fiber 2 mm loose tube interconnect subunits
- Meets or exceeds ICEA 83-596-2001 and GR-409-CORE requirements for interconnect subunits and trunk cable
- Plenum (OFNP) rated design
- Available with TeraFlex single mode, and TeraFlex laser-optimized 50/125 micron multimode fiber types

## BENEFITS

- Contributes toward 1 LEED point under the Material and Resources credit (MRc)
- Contributes toward 1 LEED point under the MRC
- Connects directly to MTP/MPO 12-fiber array connectors
- Worry-free installation and performance
- Meets NEC requirements
- Build your network with the fiber type that you need now or for the future

**PART NUMBER KEY**

F	4	4	7	-	-	-	-	U	x	x	-	K	9	9	1
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Fiber cable	Listing	Cable type		-	Fiber count (024-096)			Fiber type			-	Jacket color	Package		Jacket print

Contact Customer Service for availability of non-standard offerings.

**PART NUMBERS AND PHYSICAL CHARACTERISTICS**

Listing	Part Number <sup>1</sup>	Fiber Count	Cable Configuration	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)	
<b>BASE-8</b>										
OFNP	F447-024Uxx-t991	24	4-around-1	0.26 (6.5)	29 (43)	150 (710)	45 (198)	3.8 (98)	2.6 (65)	Plywood Reel
OFNP	F447-032Uxx-t991	32	4-around-1	0.26 (6.5)	29 (43)	150 (710)	45 (198)	3.8 (98)	2.6 (65)	Plywood Reel
OFNP	F447-048Uxx-t991	48	6-around-1	0.31 (7.9)	29 (43)	300 (1,420)	90 (396)	3.8 (98)	2.6 (65)	Plywood Reel
OFNP	F447-064Uxx-t991	64	8-around-1	0.36 (9.2)	44 (66)	300 (1,420)	90 (396)	5.4 (138)	3.6 (92)	Plywood Reel
OFNP	F447-096Uxx-t991	96	12-around-1	0.47 (12.0)	101 (152)	300 (1,420)	90 (396)	7.0 (180)	4.7 (120)	Plywood Reel
<b>BASE-12</b>										
OFNP	V4024zzB1	24	4-around-1	0.26 (6.5)	29 (43)	150 (660)	45 (200)	3.8 (98)	2.6 (65)	Plywood reel
OFNP	V4036zzB1	36	4-around-1	0.26 (6.5)	29 (43)	150 (660)	45 (200)	3.8 (98)	2.6 (65)	Plywood reel
OFNP	V4048zz01	48	4-around-1	0.26 (6.5)	29 (43)	150 (660)	45 (200)	3.8 (98)	2.6 (65)	Plywood reel
OFNP	V4072zz01	72	6-around-1	0.31 (7.9)	32 (47)	300 (1,334)	90 (400)	4.7 (119)	3.1 (79)	Plywood reel
OFNP	V4096zz01	96	8-around-1	0.36 (9.2)	44 (66)	300 (1,334)	90 (400)	5.4 (138)	3.6 (92)	Plywood reel
OFNP	V4144zz01	144	12-around-1	0.47 (12.0)	101 (152)	300 (1,334)	90 (400)	7.0 (180)	4.7 (120)	Plywood reel

**SINGLE MODE OPTICAL FIBER TYPES**

	TeraFlex® Bend Resistant		
	G.657.A1	G.657.A2	G.657.B3
<sup>1</sup> Replace "xx" with:	13	14	15
<sup>1</sup> Replace "zz" with:	K1	J1	L1
Standard Jacket Colors*	Yellow (t = 6)		

**MULTIMODE OPTICAL FIBER TYPES**

	TeraFlex Bend Resistant Laser Optimized 50/125	
	OM3	OM4
<sup>1</sup> Replace "xx" with:	30	32
<sup>1</sup> Replace "zz" with:	NG	PG
Standard Jacket Colors*	Aqua (t = K)	

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

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