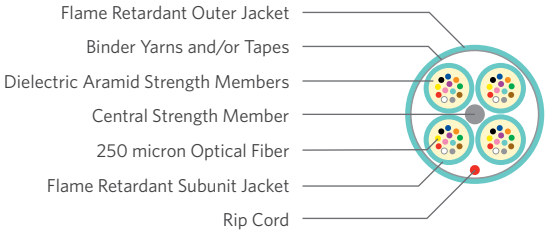
2 mm Microarray Breakout

OFNP



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 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.

SPECIFICATIONS

Subunit Configuration	2 mm Simplex loose tube cable with 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, low smoke PVC
Performance Compliance	UL 1651 CSA C22.2 No. 232 NFPA 262 Telcordia® GR-409-CORE, Issue 2 ANSI/ICEA S-83-596 ANSI/TIA-568-C.3
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

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 2 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) rated design	• Meets NEC requirements
• Available with TeraFlex single mode, and TeraFlex laser-optimized 50/125 micron multimode fiber types	• Build your network with the fiber type that you need now or for the future

PART NUMBERS AND PHYSICAL CHARACTERISTICS

Part Number[1]	Fiber Count	Nominal Diameter in (mm)	Nominal Weight lbs/kft (kg/km)	Maximum Tensile Loading Install lbs (N)	Maximum Tensile Loading Long Term lbs (N)	Minimum Bend Radius Install in (mm)	Minimum Bend Radius Long Term in (mm)	Package
V4024xxB1	24	0.26 (6.5)	29 (43)	150 (660)	45 (200)	3.8 (98)	2.6 (65)	Plywood reel
V4036xxB1	36	0.26 (6.5)	29 (43)	150 (660)	45 (200)	3.8 (98)	2.6 (65)	Plywood reel
V4048xx01	48	0.26 (6.5)	29 (43)	150 (660)	45 (200)	3.8 (98)	2.6 (65)	Plywood reel
V4072xx01	72	0.31 (7.9)	32 (47)	300 (1,334)	90 (400)	4.7 (119)	3.1 (79)	Plywood reel
V4096xx01	96	0.36 (9.2)	44 (66)	300 (1,334)	90 (400)	5.4 (138)	3.6 (92)	Plywood reel
V4144xx01	144	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
[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.*

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