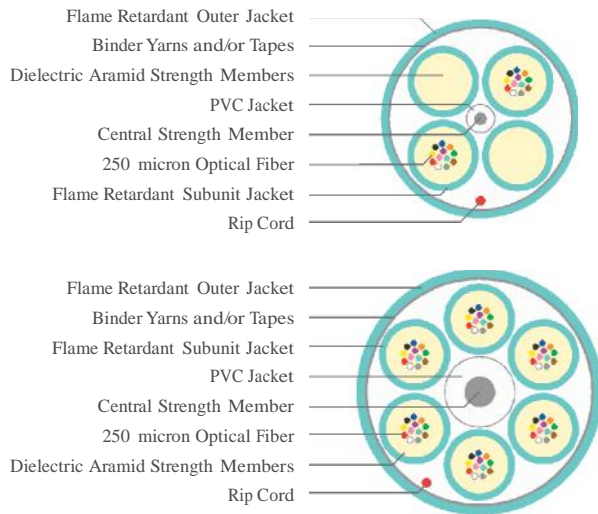


microarray breakout

OFNR/OFNP



Specifications

Cable Configuration	3 mm subunits around a central strength member and surrounded by polyester yarns and an outer jacket
Subunit Configuration	3 mm Simplex cable with twelve 250 micron optical fibers surrounded by dielectric aramid strength members
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 RoHS-compliant
NRTL Programs	UL, c(UL) Listed OFNR UL, c(UL) Listed OFNP

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

Product Description

The Microarray Breakout cable from Superior Essex is designed for high performance in a small package. The 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

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

Features

- 12-fiber 3 mm interconnect subunits
- Meets or exceeds ICEA 83-596-2001 and GR-409-CORE requirements for interconnect subunits and trunk cable
- Plenum (OFNP) and riser (OFNR) rated designs
- Available with TeraFlex single mode, and laser-optimized 50/125 micron multimode fiber types

Benefits

- Connects directly to MTP/MPO 12-fiber array connectors
- Worry-free installation and performance
- Fire-listed cables meet NEC requirements
- Build your network with the fiber type that you need now or for the future

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	1P3024xxB11	24	0.42 (10.8)	60 (90)	150 (710)	45 (198)	7.0 (180)	3.5 (90)	Plywood reel
OFNR	1P3048xx011	48	0.42 (10.8)	61 (91)	150 (710)	45 (198)	8.2 (210)	4.1 (105)	Plywood reel
OFNR	1P3072xx011	72	0.50 (12.6)	89 (133)	150 (710)	45 (198)	10.0 (252)	5.0 (126)	Plywood reel
OFNR	1P3096xx011	96	0.57 (14.5)	121 (180)	150 (710)	45 (198)	11.4 (290)	6.0 (152)	Plywood reel
OFNR	1P3144xx011	144	0.69 (17.6)	198 (295)	150 (710)	45 (198)	13.8 (350)	6.9 (175)	Plywood reel
OFNP	1P4024xxB11	24	0.35 (8.8)	54 (81)	150 (710)	45 (198)	5.2 (132)	3.5 (88)	Plywood reel
OFNP	1P4048xx011	48	0.35 (8.8)	55 (82)	150 (710)	45 (198)	5.2 (132)	3.5 (88)	Plywood reel
OFNP	1P4072xx011	72	0.43 (10.9)	81 (120)	150 (710)	45 (198)	6.5 (164)	4.3 (109)	Plywood reel
OFNP	1P4096xx011	96	0.51 (13.0)	121 (180)	150 (710)	45 (198)	11.4 (290)	6.0 (152)	Plywood reel
OFNP	1P4144xx011	144	0.69 (17.6)	227 (336)	150 (710)	45 (198)	13.8 (350)	6.9 (175)	Plywood reel

Single Mode Optical Fiber Types

Multimode Optical Fiber Types

TeraFlex® Bend Resistant		TeraGain® Laser Optimized 50/125			TeraFlex Bend Resistant Laser Optimized 50/125				
G	G/300	10G/550	J1	AG-7	BG	FG	MG	NG	PG
Replace "xx" with: K1			Replace "xx" with:						
Standard Jacket Colors*		Yellow	Standard Jacket Colors*		Aqua				

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