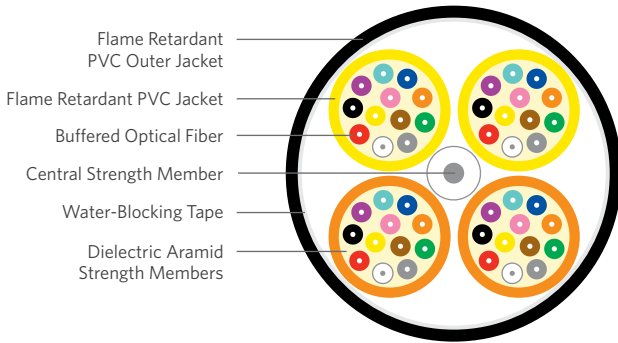


Composite (formerly Hybrid)

OFNR/OFNP



PRODUCT DESCRIPTION

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

Superior Essex composite cables which have both multimode and single mode fibers within the same optical fiber cable in every construction type. The use of composite fiber designs have proven useful to network systems designers because they offer the flexibility to run diverse applications upgrades without the need to install new cables. Superior Essex composite optical fiber cables are available in tight buffer and loose tube premises distribution cables, as well as all other product designs. Composite cables are used for standard campus networking applications and can be manufactured with a wide variety of fiber type combinations. They can save the designer and the customer significant costs over the lifetime of the physical cable plant.

The standard configuration has single mode fibers first in the color and/or sub-unit scheme followed by multimode fibers.

APPLICATIONS

- Intrabuilding backbones
- Interbuilding backbone (in conduit)
- Conduit pathways
- Service entrance to communication closets

FEATURES

- UL® Certified Environmental Product Declaration (EPD)
- Health Product Declaration™ (HPD™)
- Telcordia® GR-409-CORE and GR-20-CORE qualified designs
- Multimode and single mode under one jacket
- Compliant with ANSI/TIA-568.3-D
- Design options include: interlock armored, indoor/outdoor, tight buffered riser and plenum
- Subunits are color coded according to fiber type

BENEFITS

- Contributes toward 1 LEED point under the Material and Resources credit (MRc)
- Contributes toward 1 LEED point under the MRC
- Most cost-effective cables for the varied applications
- Eliminates the need for additional pathway space for different cable types
- Assures compliance for all current networking applications
- Cable designs available for every application
- Easily identify fiber type

SPECIFICATIONS

Fiber Configuration	Single mode fibers are placed first in the color sequence, followed by multimode fibers
Performance Compliance	UL 1651 CSA C22.2 No. 232 UL 1666 NFPA 262 Premises: Telcordia GR-409-CORE, Issue 2 and ANSI/ICEA S-83-596 Indoor/Outdoor: Telcordia GR-20-CORE, Issue 3 - ANSI/ICEA S-104-696 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

ENVIRONMENTAL SPECIFICATIONS

Operation	
Storage/Shipping	Refer to specification construction
Installation	

SUSTAINABILITY LEADERSHIP



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PART NUMBER KEY

F	-	-	-	-	-	-	-	U	x	x	-	y	9	9	1	-	z	z	z
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Family				-	Fiber Count				Fiber Supplier	Fiber Combination	-	Jacket Color	Package		-	Fiber Count of Second Fiber Type			
Fxxx				-	nnn				U	xx	-	y	991		-	zzz			

Example

Part Number	Cable Type	Primary Fiber Type	Number of Primary Fibers	Secondary Fiber Type	Number of Secondary Fibers	Jacket Color
F308-072UAJ-E991-024	I/O Riser Tight Buffer Multi-unit	G.657.A1 SMF	48	OM4	24	Black

CONTACT US



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PART NUMBERS AND PHYSICAL CHARACTERISTICS

Listing	Part Number	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)	
Single Unit Tight Buffer Premises Distribution									
OFNR	F303-006Uxx-y991-zzz	6	0.20 (5.0)	17 (25)	150 (660)	45 (200)	3.0 (75)	2.0 (50)	Reel
OFNR	F303-008Uxx-y991-zzz	8	0.24 (6.0)	20 (30)	150 (660)	45 (200)	3.5 (90)	2.4 (60)	Reel
OFNR	F303-012Uxx-y991-zzz	12	0.26 (6.5)	25 (37)	150 (660)	45 (200)	3.8 (98)	2.6 (65)	Reel
OFNR	F303-024Uxx-y991-zzz	24	0.33 (8.5)	44 (66)	300 (1,320)	90 (400)	5.0 (128)	3.3 (85)	Reel
OFNP	F403-006Uxx-y991-zzz	6	0.20 (5.0)	17 (25)	100 (440)	30 (130)	3.0 (75)	2.0 (50)	Reel
OFNP	F403-008Uxx-y991-zzz	8	0.21 (5.4)	19 (28)	100 (440)	30 (130)	3.2 (81)	2.1 (54)	Reel
OFNP	F403-012Uxx-y991-zzz	12	0.24 (6.2)	24 (35)	100 (440)	30 (130)	3.7 (93)	2.4 (62)	Reel
OFNP	F403-024Uxx-y991-zzz	24	0.31 (7.8)	42 (62)	300 (1,320)	90 (400)	4.6 (117)	3.1 (78)	Reel
Multi-Unit Tight Buffer Premises Distribution									
OFNR	F310-024Uxx-y991-zzz	24	0.69 (17.5)	150 (224)	300 (1,320)	90 (400)	10.3 (262)	6.9 (175)	Reel
OFNR	F310-036Uxx-y991-zzz	36	0.69 (17.5)	150 (224)	300 (1,320)	90 (400)	10.3 (262)	6.9 (175)	Reel
OFNR	F304-048Uxx-y991-zzz	48	0.69 (17.5)	155 (232)	300 (1,320)	90 (400)	10.3 (262)	6.9 (175)	Reel
OFNR	F304-072Uxx-y991-zzz	72	0.82 (21.0)	233 (348)	600 (2,640)	180 (800)	12.4 (314)	8.2 (210)	Reel
OFNR	F304-096Uxx-y991-zzz	96	0.97 (24.7)	337 (503)	600 (2,640)	180 (800)	14.6 (370)	9.7 (247)	Reel
OFNR	F304-144Uxx-y991-zzz	144	1.11 (28.3)	362 (540)	600 (2,640)	180 (800)	16.7 (425)	11.1 (283)	Reel
OFNP	F410-024Uxx-y991-zzz	24	0.67 (17.1)	184 (275)	300 (1,320)	90 (400)	10.1 (257)	6.7 (171)	Reel
OFNP	F410-036Uxx-y991-zzz	36	0.67 (17.1)	184 (275)	300 (1,320)	90 (400)	10.1 (257)	6.7 (171)	Reel
OFNP	F404-048Uxx-y991-zzz	48	0.67 (17.1)	184 (275)	300 (1,320)	90 (400)	10.1 (257)	6.7 (171)	Reel
OFNP	F404-072Uxx-y991-zzz	72	0.81 (20.6)	276 (412)	600 (2,640)	180 (800)	12.2 (309)	8.1 (206)	Reel
OFNP	F404-096Uxx-y991-zzz	96	0.87 (22.0)	313 (467)	600 (2,640)	180 (800)	13.0 (330)	8.7 (220)	Reel
OFNP	F404-144Uxx-y991-zzz	144	0.92 (23.4)	318 (474)	600 (2,640)	180 (800)	12.2 (309)	8.1 (206)	Reel
Single Unit Tight Buffer Indoor/Outdoor Tight Buffer									
OFNR	F308-006Uxx-y991-zzz	6	0.23 (5.8)	21 (31)	300 (1340)	90 (400)	9.1 (232)	4.6 (116)	Reel
OFNR	F308-008Uxx-y991-zzz	8	0.26 (6.6)	25 (37)	300 (1340)	90 (400)	10.4 (264)	5.2 (132)	Reel
OFNR	F308-012Uxx-y991-zzz	12	0.30 (7.6)	36 (54)	300 (1340)	90 (400)	12.0 (304)	6.0 (152)	Reel
OFNR	F308-024Uxx-y991-zzz	24	0.35 (8.8)	47 (70)	600 (2,640)	180 (800)	13.9 (352)	6.9 (176)	Reel
OFNP	F408-006Uxx-y991-zzz	6	0.23 (5.9)	26 (39)	300 (1340)	90 (400)	9.3 (236)	4.6 (118)	Reel
OFNP	F408-008Uxx-y991-zzz	8	0.26 (6.7)	32 (47)	300 (1340)	90 (400)	10.6 (268)	5.3 (134)	Reel
OFNP	F408-012Uxx-y991-zzz	12	0.30 (7.5)	41 (62)	300 (1340)	90 (400)	11.8 (300)	5.9 (150)	Reel
OFNP	F408-024Uxx-y991-zzz	24	0.32 (8.2)	51 (77)	600 (2,640)	180 (800)	12.9 (328)	6.5 (164)	Reel
Multi-Unit Tight Buffer Indoor/Outdoor Tight Buffer									
OFNR	F309-024Uxx-y991-zzz	24	0.59 (14.9)	123 (184)	600 (2,640)	180 (800)	23.8 (604)	11.9 (302)	Reel
OFNR	F309-036Uxx-y991-zzz	36	0.70 (17.7)	179 (267)	600 (2,640)	180 (800)	28.2 (716)	14.1 (358)	Reel
OFNR	F309-048Uxx-y991-zzz	48	0.70 (17.8)	162 (242)	600 (2,640)	180 (800)	28.0 (712)	14.0 (356)	Reel
OFNR	F309-072Uxx-y991-zzz	72	0.84 (21.3)	243 (362)	600 (2,640)	180 (800)	33.5 (852)	16.8 (426)	Reel
OFNR	F309-096Uxx-y991-zzz	96	0.98 (25.0)	345 (515)	600 (2,640)	180 (800)	39.4 (1000)	19.7 (500)	Reel
OFNR	F309-144Uxx-y991-zzz	144	1.11 (28.3)	375 (559)	600 (2,640)	180 (800)	45.2 (1148)	22.6 (574)	Reel
OFNP	F409-024Uxx-y991-zzz	24	0.59 (14.9)	133 (198)	600 (2,640)	180 (800)	23.5 (597)	11.7 (297)	Reel
OFNP	F409-036Uxx-y991-zzz	36	0.67 (17.1)	149 (223)	600 (2,640)	180 (800)	26.9 (683)	13.5 (343)	Reel
OFNP	F409-048Uxx-y991-zzz	48	0.67 (17.1)	150 (224)	600 (2,640)	180 (800)	26.9 (683)	13.5 (343)	Reel
OFNP	F409-072Uxx-y991-zzz	72	0.80 (20.2)	219 (327)	600 (2,640)	180 (800)	31.8 (808)	15.9 (404)	Reel
OFNP	F409-096Uxx-y991-zzz	96	0.91 (23.2)	359 (536)	600 (2,640)	180 (800)	36.5 (928)	18.3 (464)	Reel

SINGLE MODE OPTICAL FIBER TYPES			MULTIMODE OPTICAL FIBER TYPES			FIBER COMBINATION TABLE				
TeraFlex® Bend Resistant			TeraGain® 62.5/125			Part Number Code	First Fiber Type	Second Fiber Type	Premises Jacket Color	Indoor/Outdoor Jacket Color
G.657.A1	G.657.A2	G.657.B3	OM3	OM4						
Subunit Color* Yellow = 6			Orange = D	Aqua = K		AA	OM1	Orange = D		
					Replace "xx" with:	AJ	G.657.A1 SMF	OM4	Aqua = K	
						AR	OM3		Black = E	

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