TABLE OF CONTENTS

PREMISES CABLE

OSP CABLE

FTTP

WIRELESS

TECHNICAL INFO

PART NUMBER INDEX

Single Unit Distribution
OFNR/OFNP

Flame Retardant PVC Jacket

Buffered Optical Fiber

Central Strength Member

Dielectric Aramid
Strength Members
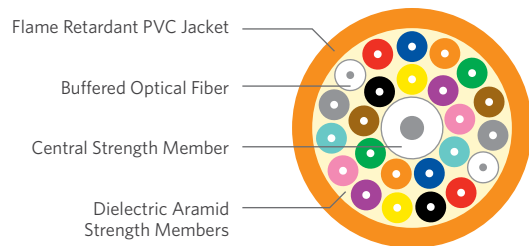
PRODUCT DESCRIPTION

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

These Superior Essex premises distribution optical fiber cables are constructed using a single unit, single jacket RoHS-compliant design with fiber counts from 6 through 24. The design consists of flexible 900 µm tight buffered industry standard 250 µm fibers (900/250/125 µm) and is suitable for use with standard connectors, like the SC, ST, and FC, and small-form-factor connectors like the LC. Dielectric aramid yarns are applied for strength while maintaining flexibility. The 18 and 24-fiber cable designs have a flexible glass reinforced central strength element for added durability and performance. A durable, flame resistant outer jacket is applied over the cable core using appropriate OFNR or OFNP rated materials.

APPLICATIONS

- Intrabuilding backbones
- Conduit pathways
- Service entrance to communication closets
- "Behind-the-shelf" connections

SPECIFICATIONS

6-12 Fiber Configuration	Flexible 900 µm tight buffered fibers, dielectric aramid yarns and overall jacket
18-24 Fiber Configuration	Band marked flexible 900 µm tight buffered fibers, dielectric aramid yarns, overall jacket and central strength element
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, Issue 1 Telcordia GR-409, 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

FEATURES

- UL® Certified Environmental Product Declaration (EPD)
- Health Product Declaration™ (HPD™)
- Marked in feet and meters
- BrakeBox® payout control system

BENEFITS

- Contributes toward 1 LEED point under the Material and Resources credit (MRc)
- Contributes toward 1 LEED point under the MRc
- Meets commercial, government and international requirements for length markings
- Adjustable tension control on reel prevents over spin and entangling of cable

ENVIRONMENTAL SPECIFICATIONS

	Riser	Plenum
Operation	-20°C to +75°C	0°C to +75°C
Storage/Shipping	-40°C to +75°C	-40°C to +75°C
Installation	-20°C to +65°C	0°C to +65°C

SUSTAINABILITY LEADERSHIP

UL and the related logo are registered trademarks of UL LLC. Health Product Declaration, HPD and the related logo are trademarks of Health Product Declaration Collaborative. Telcordia is a registered trademark of Ericsson Inc. USGBC and the related logo are registered trademarks of U.S. Green Building Council.

Single Unit Distribution OFNR/OFNP

TABLE OF CONTENTS

PREMISES CABLE

OSP CABLE

FTTP

WIRELESS

TECHNICAL INFO

PART NUMBER INDEX

PART NUMBERS AND PHYSICAL CHARACTERISTICS

Listing	Part Number[1]	Fiber Type	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	43006x1zz	Single mode	6	0.20 (5.0)	17 (25)	150 (660)	45 (200)	3.0 (75)	2.0 (50)	use key
OFNR	43008x1zz	Single mode	8	0.24 (6.0)	20 (30)	150 (660)	45 (200)	3.5 (90)	2.4 (60)	use key
OFNR	43012x1zz	Single mode	12	0.26 (6.5)	25 (37)	150 (660)	45 (200)	3.8 (98)	2.6 (65)	use key
OFNR	43018xK01*	Single mode	18	0.30 (7.5)	35 (51)	300 (1,320)	90 (400)	4.4 (113)	3.0 (75)	Plywood reel
OFNR	43024xK01*	Single mode	24	0.33 (8.5)	44 (66)	300 (1,320)	90 (400)	5.0 (128)	3.3 (85)	Plywood reel
OFNP	44006x1zz	Single mode	6	0.20 (5.0)	17 (25)	100 (440)	30 (130)	3.0 (75)	2.0 (50)	use key
OFNP	44008x1zz	Single mode	8	0.21 (5.4)	19 (28)	100 (440)	30 (130)	3.2 (81)	2.1 (54)	use key
OFNP	44012x1zz	Single mode	12	0.24 (6.2)	24 (35)	100 (440)	30 (130)	3.7 (93)	2.4 (62)	use key
OFNP	44018xK01*	Single mode	18	0.28 (7.0)	33 (49)	150 (660)	45 (200)	4.1 (105)	2.8 (70)	Plywood reel
OFNP	44024xK01	Single mode	24	0.31 (7.8)	42 (62)	150 (660)	45 (200)	4.6 (117)	3.1 (78)	Plywood reel
OFNR	43006yGzz	Multimode	6	0.20 (5.0)	17 (25)	150 (660)	45 (200)	3.0 (75)	2.0 (50)	use key
OFNR	43008yGzz	Multimode	8	0.24 (6.0)	20 (30)	150 (660)	45 (200)	3.5 (90)	2.4 (60)	use key
OFNR	43012yGzz	Multimode	12	0.26 (6.5)	25 (37)	150 (660)	45 (200)	3.8 (98)	2.6 (65)	use key
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OFNP	44018yK01	Multimode	18	0.28 (7.0)	33 (49)	150 (660)	45 (200)	4.1 (105)	2.8 (70)	Plywood reel
OFNP	44024yK01	Multimode	24	0.31 (7.8)	42 (62)	150 (660)	45 (200)	4.6 (117)	3.1 (78)	Plywood reel

Only available with TeraFlex® Bend Resistant single mode optical fiber types.

SINGLE MODE OPTICAL FIBER TYPES

	Reduced Water Peak	TeraFlex® Bend Resistant		
		G.657.A1	G.657.A2	G.657.B3
[1]Replace "x" with:	3	K	J	L
Standard Jacket Colors*	Yellow			

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

MULTIMODE OPTICAL FIBER TYPES

	TeraGain® 62.5/125	TeraGain Laser Optimized 50/125			TeraFlex Bend Resistant Laser Optimized 50/125		
		10G/150	10G/300	10G/550	10G/150	10G/300	10G/550
[1]Replace "y" with:	6	A	B	F	M	N	P
Standard Jacket Colors*	Orange	Aqua					

PACKAGING

	Cut to Length Plywood Reel	1,000 ft BrakeBox	1,500 ft BrakeBox	2,000 ft BrakeBox
[1]Replace "zz" with:	01	BB	BD	BC

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A-17