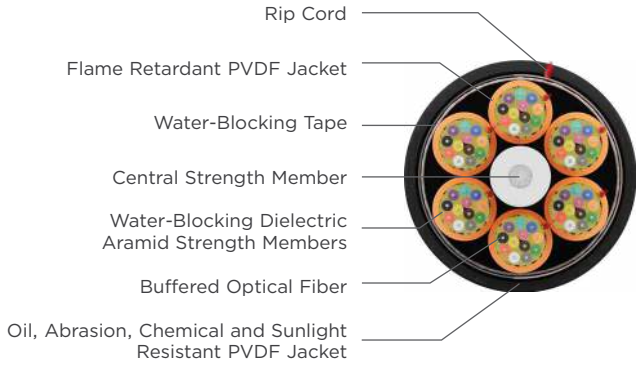
Dry Block, Sunlight Resistant, Indoor/Outdoor

OFNP



SPECIFICATIONS

Single Unit Configuration	2 to 24 optical fibers surrounded by dielectric strength elements with an overall jacket
Multi-unit Configuration	6 or 12 fiber subunits stranded around a central strength element
Subunit Jacket	Plenum grade PVC whose color matches the fiber type
Fiber Type	900 micron tight buffered 250 micron optical fiber
Dielectric Strength Elements	Glass Reinforced Plastic (GRP) and aramid yarns
Water-Blocking	SAP Dry Block
Jacket	Oil, chemical, abrasion and UV resistant plenum grade black PVDF
Performance Compliance	UL 1651 CSA C22.2 No. 232 NFPA 130 NFPA 262 ANSI/ICEA S-104-696-2001 ANSI/TIA-568.3-D
NRTL Programs	UL, c(UL) Listed OFNP UL, c(UL) Listed Sunlight Resistant
Sustainability	UL Certified EPD HPD USGBC® Member RoHS-compliant/RoHS 2-compliant REACH-compliant

ENVIRONMENTAL SPECIFICATIONS

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

SUSTAINABILITY LEADERSHIP

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PRODUCT DESCRIPTION

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

The Superior Essex Dry Block, Sunlight Resistant Indoor/Outdoor Plenum cable is designed to survive the toughest installation and environmental conditions. Not only does the cable exceed the rigorous Indoor/Outdoor plenum cable performance requirements of ICEA 696, but its proprietary thermoplastic jacket makes it resistant to mechanical abrasion, chemicals, oil and sunlight. The cable core consists of 2 through 24 fibers for the single unit and, for the multi-unit, 3 to 6 subunits of 6 or 12 fibers each. GRP and aramid yarn dielectric strength elements give the cable both strength and flexibility and the core is fully water-blocking using dry SAP technology. The cable is available in TeraFlex® Bend Resistant optical fiber types, including both single mode, 62.5, and OM3/4 multimode fiber.

APPLICATIONS

- Intra/inter-building backbones
- Conduit/duct/tray pathways
- Dry or wet locations

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
• 900 micron tight buffered optical fibers	• Allows for either fusion or mechanical connectors
• Full water blocking with SAP Dry Block	• Prevents water ingress from OSP splice enclosures
• Tough, thermoplastic jacket	• Abrasion, chemical, oil and sunlight resistant
• Meets or exceeds ANSI/ICEA S-104-696-2001	• Worry-free installation and performance
• Plenum (OFNP) rated designs	• Plenum listing allows for cable placement in both plenum and riser spaces
• Available in both single mode and multimode TeraFlex Bend Resistant fiber types	• Choose the fiber needed for long distance, short-haul FTTx and data center applications
• BrakeBox® payout control system for 2 to 12 fiber counts	• Adjustable tension control on reel prevents over spin and entangling of cable

SUPERIOR ESSEX
800.551.8948
SuperiorEssexCommunications.com

PART NUMBER KEY

F	4	0	9	-	_	_	_	U	z	z	-	E	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 (002-048)			Fiber type			-	Jacket color	Package		Jacket print

Contact Customer Service for availability of non-standard offerings.

PART NUMBERS AND PHYSICAL CHARACTERISTICS

Part Number[1]	Configuration	Fiber Count	Nominal Diameter in (mm)	Nominal Weight lbs/kft (kg/km)	Maximum Tensile Loading		Minimum Bend Radius		Package[1]
					Install lbs (N)	Long Term lbs (N)	Install in (mm)	Long Term in (mm)	
Single Mode									
W4002x1yy	Single unit	2	0.23 (5.9)	24 (36)	300 (1,340)	90 (400)	9.3 (236)	4.6 (118)	*use key*
W4004x1yy	Single unit	4	0.23 (5.9)	25 (37)	300 (1,340)	90 (400)	9.3 (236)	4.6 (118)	*use key*
W4006x1yy	Single unit	6	0.23 (5.9)	26 (39)	300 (1,340)	90 (400)	9.3 (236)	4.6 (118)	*use key*
W4008x1yy	Single unit	8	0.26 (6.7)	32 (47)	300 (1,340)	90 (400)	10.6 (268)	5.3 (134)	*use key*
W4012x1yy	Single unit	12	0.30 (7.5)	41 (62)	300 (1,340)	90 (400)	11.8 (300)	5.9 (150)	*use key*
W4024xK01	Single unit	24	0.32 (8.2)	51 (77)	600 (2,680)	180 (800)	12.9 (328)	6.5 (164)	Plywood reel
F409-024Uzz-E991	Multi-unit	24	0.59 (14.9)	133 (198)	600 (2,670)	180 (800)	23.5 (597)	11.7 (297)	Plywood reel
F409-036Uzz-E991	Multi-unit	36	0.67 (17.1)	149 (223)	600 (2,670)	180 (800)	26.9 (683)	13.5 (343)	Plywood reel
F409-048Uzz-E991	Multi-unit	48	0.67 (17.1)	150 (224)	600 (2,670)	180 (800)	26.9 (683)	13.5 (343)	Plywood reel
F409-072Uzz-E991	Multi-unit	72	0.80 (20.2)	219 (327)	600 (2,670)	180 (800)	31.8 (808)	15.9 (404)	Plywood reel
F409-096Uzz-E991	Multi-unit	96	0.91 (23.2)	359 (536)	600 (2,670)	180 (800)	36.5 (928)	18.3 (464)	Plywood reel
Multimode									
W4002xGyy	Single unit	2	0.23 (5.9)	24 (36)	300 (1,340)	90 (400)	9.3 (236)	4.6 (118)	*use key*
W4004xGyy	Single unit	4	0.23 (5.9)	25 (37)	300 (1,340)	90 (400)	9.3 (236)	4.6 (118)	*use key*
W4006xGyy	Single unit	6	0.23 (5.9)	26 (39)	300 (1,340)	90 (400)	9.3 (236)	4.6 (118)	*use key*
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SINGLE MODE OPTICAL FIBER TYPES

	TeraFlex® Bend Resistant		
	G.657.A1	G.657.A2	G.657.B3
Replace "x" with:	K	J	L
Replace "zz" with:	13	14	15
Typical Attenuation (dB/km)	0.32/0.18 (1310nm/1550nm)		
Max Attenuation (dB/km)	0.5/0.5 (1310nm/1550nm)		
Standard Jacket Colors*	Black		

**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	TeraFlex Bend Resistant Laser Optimized 50/125	
		OM3	OM4
Replace "x" with:	6	N	P
Replace "zz" with:	23	30	32
Minimum Bandwidth: (MHz-km)	220	2000	4700
Typical Attenuation (dB/km)	2.13/0.49 (850nm/1300nm)		
Max Attenuation (dB/km)	3.0/1.5 (850nm/1300nm)		
Standard Jacket Color*	Black		

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

PACKAGING

	Cut to Length Plywood Reel	1,000 ft BrakeBox®	1,500 ft BrakeBox
[1]Replace "yy" with:	01	BB	BD
Fiber Counts	All	2 - 12	2 - 8