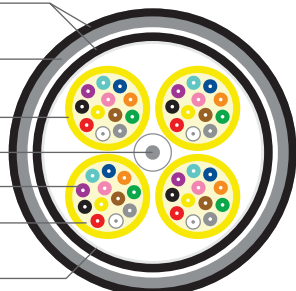


# Indoor/Outdoor, Interlock Armored, Tight Buffer

OFCR/OFCP



Flame Retardant and Sunlight Resistant Outer Jackets  
 Aluminum Interlocked Armor  
 Flame Retardant PVC Jacket  
 Central Strength Member  
 Buffered Optical Fiber  
 Dielectric Aramid Strength Members  
 Water-Blocking Tape



## SPECIFICATIONS

Interlock Armored	Flexible, heavy duty interlocking aluminum tape helically applied over the inner cable core; further protection is provided by flame retardant outer jacket
Outer Jacket	Black, FR, chemical resistant and sunlight resistant PVC <ul style="list-style-type: none"> <li>UL 1569</li> <li>UL 1651</li> <li>CSA C22.2 No. 232</li> <li>UL 1666</li> </ul>
Performance Compliance	NFPA 130 (Plenum) NFPA 262 Telcordia GR-409-CORE, Issue 2 ANSI/ICEA S-104-696 ANSI/TIA-568.3-D
NRTL Programs	UL, c(UL) Listed OFCR UL, c(UL) Listed OFCP UL, c(UL) Listed Sunlight Resistant
Sustainability	UL Certified EPD HPD USGBC® Member RoHS-compliant/RoHS 2-compliant REACH-compliant

## SUSTAINABILITY LEADERSHIP



**RoHS REACH**

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## PRODUCT DESCRIPTION



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

Interlock Armored Optical Fiber Cables provide an extremely well protected cable package ideally suited for harsh environments. The armor is available in aluminum and comes with either an OFCR (riser) or OFCP (plenum) rating. This design offers the system designer a product that can be installed in areas where added mechanical protection and security are required. The flexible interlock armored cable design is also popular for retrofit applications and eliminates the need to install rigid conduit while still meeting building code guidelines.

## APPLICATIONS

- Intra-building backbones
- Conduit pathways
- Service entrance to communication closets

## FEATURES

- UL® Certified Environmental Product Declaration (EPD)
- Health Product Declaration™ (HPD™)
- Thick, flexible metallic armor
- Flame retardant, UL Listed designs
- Full line of Superior Essex cables available

## BENEFITS

- Contributes toward 1 LEED point under the Material and Resources credit (MRC)
- Contributes toward 1 LEED point under the MRC
- Reduce incidences of circuit disruption due to rodents or mechanically abusive applications
- Eliminates the need for multiple cables for installation
- Customized designs reduces cable inventory requirements

## ENVIRONMENTAL SPECIFICATIONS

	Riser	Plenum
Operation	-40°C to +75°C	-40°C to +70°C
Storage/Shipping	-40°C to +75°C	-40°C to +70°C
Installation	-20°C to +65°C	0°C to +60°C

**PART NUMBER KEY**

F	2	0	9	-	-	-	-	U	y	y	-	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**

Listing	Part Number <sup>1</sup>	Fiber Count	Nominal Diameter in (mm)	Nominal Weight lbs/kft (kg/km)	Maximum Compression lbf/in (N/cm)	Maximum Tensile Loading		Minimum Bend Radius	
						Install lbs (N)	Long Term lbs (N)	Install in (mm)	Long Term in (mm)
<b>Single Unit</b>									
OFCR	F108-002Uyy-E991	2	0.54 (13.8)	90 (134)	286 (500)	300 (1440)	90 (400)	21.8 (553)	10.9 (276)
OFCR	F108-004Uyy-E991	4	0.54 (13.8)	91 (135)	286 (500)	300 (1440)	90 (400)	21.8 (553)	10.9 (276)
OFCR	F108-006Uyy-E991	6	0.54 (13.8)	92 (137)	286 (500)	300 (1440)	90 (400)	21.8 (553)	10.9 (276)
OFCR	F108-008Uyy-E991	8	0.56 (14.1)	111 (165)	286 (500)	300 (1440)	90 (400)	22.2 (564)	11.1 (282)
OFCR	F108-012Uyy-E991	12	0.61 (15.6)	112 (167)	286 (500)	300 (1440)	90 (400)	24.6 (625)	12.3 (312)
OFCR	F108-024Uyy-E991	24	0.67 (17.0)	153 (229)	286 (500)	600 (2,700)	180 (800)	26.8 (680)	13.4 (340)
OFCP	L4002xW01	2	0.50 (12.7)	78 (116)	286 (500)	150 (670)	45 (200)	20.8 (528)	10.4 (264)
OFCP	L4004xW01	4	0.50 (12.7)	79 (118)	286 (500)	150 (670)	45 (200)	20.8 (528)	10.4 (264)
OFCP	L4006xW01	6	0.50 (12.7)	88 (131)	286 (500)	150 (670)	45 (200)	20.8 (528)	10.4 (264)
OFCP	L4008xW01	8	0.50 (12.7)	90 (134)	286 (500)	150 (670)	45 (200)	20.8 (528)	10.4 (264)
OFCP	L4012xW01	12	0.55 (13.9)	104 (155)	286 (500)	150 (670)	45 (200)	21.7 (552)	10.9 (276)
OFCP	L4024xKWQ	24	0.66 (16.8)	163 (243)	286 (500)	600 (2,700)	180 (800)	26.5 (672)	13.2 (336)
<b>Multi-Unit</b>									
OFCR	L3024xW01	24	0.93 (23.6)	265 (396)	228 (400)	600 (2,700)	180 (800)	35.7 (907)	17.8 (482)
OFCR	L3036xW01	36	1.05 (26.7)	351 (523)	171 (300)	600 (2,700)	180 (800)	42.0 (1066)	21.0 (533)
OFCR	L3048xW01	48	1.02 (26.0)	321 (479)	171 (300)	600 (2,700)	180 (800)	40.9 (1040)	20.5 (520)
OFCR	L3072xW01	72	1.14 (28.9)	409 (610)	171 (300)	600 (2,700)	180 (800)	44.7 (1135)	22.3 (567)
OFCR	L3096xW01	96	1.17 (29.7)	443 (660)	171 (300)	600 (2,700)	180 (800)	51.1 (1299)	25.6 (649)
OFCR	L3144xW01	144	1.35 (34.2)	573 (854)	171 (300)	600 (2,700)	180 (800)	55.2 (1402)	27.6 (701)
OFCP	F209-024Uyy-E991	24	1.40 (35.6)	297 (442)	228 (400)	600 (2,700)	180 (800)	36.9 (936)	18.4 (468)
OFCP	F209-036Uyy-E991	36	1.50 (38.1)	335 (499)	171 (300)	600 (2,700)	180 (800)	40.9 (1040)	20.5 (520)
OFCP	F209-048Uyy-E991	48	1.50 (38.1)	336 (500)	171 (300)	600 (2,700)	180 (800)	40.9 (1040)	20.5 (520)
OFCP	F209-072Uyy-E991	72	1.50 (38.1)	450 (670)	171 (300)	600 (2,700)	180 (800)	48.0 (1220)	24.0 (610)

<sup>1</sup>Part numbers listed above are aluminum interlock armored. Steel interlock armored available upon request.

**SINGLE MODE OPTICAL FIBER TYPES**

	TeraFlex® Bend Resistant		
	G.657.A1	G.657.A2	G.657.B3
Replace "x" with:	K	J	L
Replace "yy" with:	13	14	15
Typical Attenuation (dB/km)	0.32/0.32/0.18 (1310/1382/1550nm)		
Max Attenuation (dB/km)	0.5/0.5/0.5 (1310/1382/1550nm)		
Standard Jacket Color*	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**

	TeraFlex Bend Resistant Laser Optimized 50/125	
	TeraGain® 62.5/125	OM3 OM4
Replace "x" with:	6	N P
Replace "yy" with:	23	30 32
Minimum Bandwidth: OFL (MHz-km)	220/500 (850/1300nm)	— —
Minimum Bandwidth: Laser EMB (MHz-km)	—	2000/500 (850/1300nm) 4700/500 (850/1300nm)
Typical Attenuation (dB/km)	2.5/0.7 (850/1300nm)	
Max Attenuation (dB/km)	3.5/1.5 (850/1300nm)	
Standard Jacket Color*	Black	

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