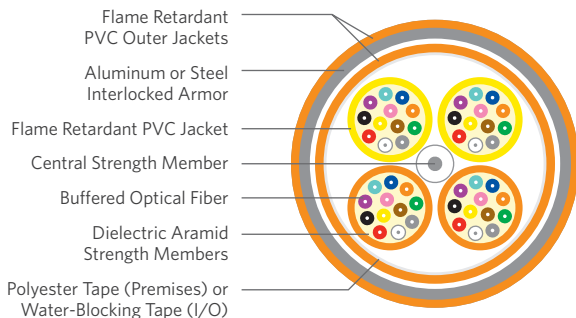


# Interlock Armored

Premises Fiber OFCR/OFCP



## PRODUCT DESCRIPTION

Interlock Armored Optical Fiber Cables provide for an extremely well protected cable package ideally suited for harsh environments. The armor is available in aluminum or steel and comes with either an OFCR (riser) or OFCP (plenum) rating. This design offers the system designer a product that can be installed in high traffic 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

- Intrabuilding backbones
- Conduit pathways
- Service entrance to communication closets

## FEATURES

- Thick, flexible metallic armor
- Flame retardant, UL Listed designs
- Full line of Superior Essex cables available

## BENEFITS

- 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

## SPECIFICATIONS

Core Configuration	Available using 33, 34, 43, 44 and W3 series products
Interlock Armored	Flexible, heavy duty interlocking aluminum or steel tape helically applied over the inner cable core; further protection is provided by an optional flame retardant outer jacket
Outer Jacket	Premises: Flame retardant (FR), chemical resistant PVC Indoor/Outdoor: Black, FR, chemical resistant and sunlight resistant PVC
Performance Compliance	UL 1569 UL 1651 CSA C22.2 No. 232 UL 1666 NFPA 262 Telcordia GR-409-CORE, Issue 1 Telcordia GR-409-CORE, Issue 2 ANSI/ICEA S-83-596 ANSI/ICEA S-104-696 ANSI/TIA-568-C.3 RoHS-compliant
NRTL Programs	UL, c(UL) Listed OFCR UL, c(UL) Listed OFCP

## ENVIRONMENTAL SPECIFICATIONS

	Riser	Plenum
Operation		
Storage/Shipping	Refer to base cable's environmental specifications	
Installation		

## SINGLE MODE OPTICAL FIBER TYPES

	Reduced Water Peak	TeraFlex® Bend Resistant		
		G.657.A1	G.657.A2	G.657.B3
<sup>1</sup> Replace "x" with:	3	K	J	L
Premises Jacket Colors*	Yellow			
I/O Jacket Color	Black			

## 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
<sup>1</sup> Replace "x" with:	6	A	B	F	M	N	P
Premises Jacket Colors*	Orange	Aqua					
I/O Jacket Color	Black						

\*Other jacket colors available upon request.

See the "Optical Fiber Selection Chart" in the "Technical Information" section for detailed fiber type specifications.

**PART NUMBERS AND PHYSICAL CHARACTERISTICS**

Listing	Part Number <sup>1</sup>	Configuration	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>Tight Buffer</b>										
OFCR	L3002x301	Single unit	2	0.54 (13.8)	89 (133)	286 (500)	150 (670)	45 (200)	8.2 (207)	5.4 (138)
OFCR	L3004x301	Single unit	4	0.54 (13.8)	90 (135)	286 (500)	150 (670)	45 (200)	8.2 (207)	5.4 (138)
OFCR	L3006x401	Single unit	6	0.54 (13.8)	92 (137)	286 (500)	150 (670)	45 (200)	8.2 (207)	5.4 (138)
OFCR	L3008x401	Single unit	8	0.54 (13.8)	94 (140)	287 (500)	150 (670)	45 (200)	8.2 (207)	5.4 (138)
OFCR	L3012x401	Single unit	12	0.62 (15.7)	112 (167)	286 (500)	150 (670)	45 (200)	9.3 (236)	6.2 (157)
OFCR	L3018xK1Q	Single unit	18	0.66 (16.8)	135 (201)	228 (400)	300 (1,340)	90 (400)	9.9 (251)	6.6 (168)
OFCR	L3024xK1Q	Single unit	24	0.70 (17.8)	158 (236)	228 (400)	300 (1,340)	90 (400)	10.5 (267)	7.0 (178)
OFCP	L4002x301	Single unit	2	0.50 (12.7)	82 (123)	286 (500)	150 (670)	45 (200)	7.5 (191)	5.0 (127)
OFCP	L4004x301	Single unit	4	0.50 (12.7)	84 (125)	286 (500)	150 (670)	45 (200)	7.5 (191)	5.0 (127)
OFCP	L4006x401	Single unit	6	0.50 (12.7)	87 (130)	286 (500)	150 (670)	45 (200)	7.5 (191)	5.0 (127)
OFCP	L4008x401	Single unit	8	0.50 (12.7)	89 (133)	286 (500)	150 (670)	45 (200)	7.5 (191)	5.0 (127)
OFCP	L4012x401	Single unit	12	0.55 (13.9)	104 (155)	286 (500)	150 (670)	45 (200)	8.2 (209)	5.5 (139)
OFCP	L4018xK1Q	Single unit	18	0.59 (15.1)	84 (126)	228 (400)	150 (670)	45 (200)	8.9 (227)	5.9 (151)
OFCP	L4024xK1Q	Single unit	24	0.59 (15.1)	92 (137)	228 (400)	150 (670)	45 (200)	8.9 (227)	5.9 (151)
OFCR	L3018x401	Multi-unit	18	0.95 (24.1)	240 (358)	228 (400)	300 (1,340)	90 (400)	14.2 (362)	9.5 (241)
OFCR	L3024x401	Multi-unit	24	0.95 (24.1)	283 (422)	228 (400)	300 (1,340)	90 (400)	14.2 (362)	9.5 (241)
OFCR	L3036x401	Multi-unit	36	1.05 (26.7)	352 (525)	171 (300)	300 (1,340)	90 (400)	15.7 (400)	10.5 (267)
OFCR	L3048x401	Multi-unit	48	1.05 (26.8)	342 (510)	171 (300)	300 (1,340)	90 (400)	15.8 (402)	10.5 (268)
OFCR	L3072x401	Multi-unit	72	1.23 (31.2)	468 (699)	171 (300)	600 (2,700)	180 (800)	18.4 (468)	12.3 (312)
OFCR	L3096x401	Multi-unit	96	1.38 (35.1)	611 (912)	171 (300)	600 (2,700)	180 (800)	20.7 (527)	13.8 (351)
OFCR	L3144x401	Multi-unit	144	1.48 (37.6)	651 (971)	171 (300)	600 (2,700)	180 (800)	22.2 (564)	14.8 (376)
OFCP	L4018x401	Multi-unit	18	0.85 (21.7)	249 (372)	228 (400)	300 (1,340)	90 (400)	12.8 (325)	8.5 (217)
OFCP	L4024x401	Multi-unit	24	0.90 (22.8)	278 (414)	228 (400)	300 (1,340)	90 (400)	13.5 (343)	9.0 (228)
OFCP	L4036x401	Multi-unit	36	1.02 (25.8)	376 (561)	171 (300)	300 (1,340)	90 (400)	15.2 (387)	10.2 (258)
OFCP	L4048x401	Multi-unit	48	1.02 (25.8)	353 (526)	171 (300)	300 (1,340)	90 (400)	15.2 (387)	10.2 (258)
OFCP	L4072x401	Multi-unit	72	1.19 (30.3)	494 (736)	171 (300)	600 (2,700)	180 (800)	17.9 (455)	11.9 (303)
<b>Indoor/Outdoor Tight Buffer</b>										
OFCR	L3002xW01	Single unit	2	0.54 (13.8)	89 (133)	286 (500)	150 (670)	45 (200)	8.2 (207)	5.4 (138)
OFCR	L3004xW01	Single unit	4	0.54 (13.8)	90 (135)	286 (500)	150 (670)	45 (200)	8.2 (207)	5.4 (138)
OFCR	L3006xW01	Single unit	6	0.54 (13.8)	92 (137)	286 (500)	150 (670)	45 (200)	8.2 (207)	5.4 (138)
OFCR	L3008xW01	Single unit	8	0.54 (13.8)	94 (140)	286 (500)	150 (670)	45 (200)	8.2 (207)	5.4 (138)
OFCR	L3012xW01	Single unit	12	0.62 (15.7)	112 (167)	286 (500)	150 (670)	45 (200)	9.3 (236)	6.2 (157)
OFCP	L4002x201	Single unit	2	0.50 (12.7)	82 (123)	286 (500)	150 (670)	45 (200)	7.5 (191)	5.0 (127)
OFCP	L4004x201	Single unit	4	0.50 (12.7)	84 (125)	286 (500)	150 (670)	45 (200)	7.5 (191)	5.0 (127)
OFCP	L4006x201	Single unit	6	0.50 (12.7)	87 (130)	286 (500)	150 (670)	45 (200)	7.5 (191)	5.0 (127)
OFCP	L4008x201	Single unit	8	0.50 (12.7)	89 (133)	286 (500)	150 (670)	45 (200)	7.5 (191)	5.0 (127)
OFCP	L4012x201	Single unit	12	0.55 (13.9)	104 (155)	286 (500)	150 (670)	45 (200)	8.2 (209)	5.5 (139)
OFCP	L4024xK2Q	Single unit	24	0.90 (22.8)	278 (414)	286 (500)	150 (670)	45 (200)	13.5 (343)	9.0 (228)
OFCR	L3018xW01	Multi-unit	18	0.95 (24.1)	248 (370)	228 (400)	300 (1,340)	90 (400)	14.2 (362)	9.5 (241)
OFCR	L3024xW01	Multi-unit	24	0.95 (24.1)	283 (422)	228 (400)	300 (1,340)	90 (400)	14.2 (362)	9.5 (241)
OFCR	L3036xW01	Multi-unit	36	1.05 (26.7)	352 (525)	171 (300)	300 (1,340)	90 (400)	15.7 (400)	10.5 (267)
OFCR	L3048xW01	Multi-unit	48	1.05 (26.8)	342 (510)	171 (300)	300 (1,340)	90 (400)	15.8 (402)	10.5 (268)
OFCR	L3072xW01	Multi-unit	72	1.23 (31.2)	468 (699)	171 (300)	600 (2,700)	180 (800)	18.4 (468)	12.3 (312)
OFCR	L3096xW01	Multi-unit	96	1.38 (35.1)	611 (912)	171 (300)	600 (2,700)	180 (800)	20.7 (527)	13.8 (351)
OFCR	L3144xW01	Multi-unit	144	1.48 (37.6)	651 (971)	171 (300)	600 (2,700)	180 (800)	22.2 (564)	14.8 (376)
OFCP	L4018x201	Multi-unit	18	0.85 (21.7)	249 (372)	228 (400)	300 (1,340)	90 (400)	12.8 (325)	8.5 (217)
OFCP	L4024x201	Multi-unit	24	0.90 (22.8)	278 (414)	228 (400)	300 (1,340)	90 (400)	13.5 (343)	9.0 (228)
OFCP	L4036x201	Multi-unit	36	1.02 (25.8)	376 (561)	171 (300)	300 (1,340)	90 (400)	15.2 (387)	10.2 (258)
OFCP	L4048x201	Multi-unit	48	1.02 (25.8)	353 (526)	171 (300)	300 (1,340)	90 (400)	15.2 (387)	10.2 (258)
OFCP	L4072x201	Multi-unit	72	1.19 (30.3)	494 (736)	171 (300)	300 (1,340)	90 (400)	17.9 (455)	11.9 (303)

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