

EnduraLite® Indoor/Outdoor, Loose Tube, Interlock Armored

OFCR/OFCP



Flame Retardant, Chemical and Sunlight Resistant Outer Jackets

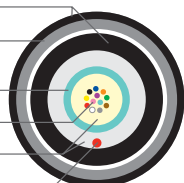
Aluminum or Steel Interlocked Armor

Flame Retardant PVC Jacket

Optical Fiber

Water-Blocking Dielectric Strength Members

Rip Cord



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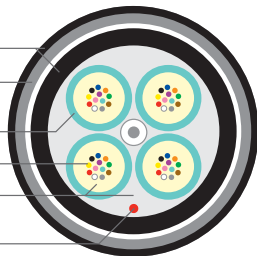
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PRODUCT DESCRIPTION

EnduraLite® Dry Block, Sunlight Resistant Indoor/Outdoor Loose Tube riser and plenum rated Interlock Armored cable lines offer the system designer the smallest form factor in a premises indoor/outdoor optical fiber cable. The cables can be installed in open spaces, trays, conduits, inner-ducts, trenches, steam tunnels and building riser or plenum locations. The cables incorporate the latest in dry water-blocking technology which eliminates the need to clean off the traditional gel-based water-blocking compounds. In the single unit design, a 3 mm central tube contains 2 to 12, 250 µm fibers and water-blocking aramid yarns. In the multi-unit design, the waterblocked 3 mm subunits are stranded around a central strength element. The tube or core is surrounded by additional water-blocking glass strength elements and an outer jacket, comprised of a rugged UL Listed, sunlight resistant, black polymer that allows for the cable to be exposed to long-term direct sunlight without the concern of material degradation. The cable is then protected by an interlock armor and a sunlight resistant black over jacket. All fiber types are available, including 50/125 µm, 62.5/125 µm and single mode.

APPLICATIONS

- Intra/inter-building backbones, such as conduit pathways or tunnels
- Conduit/duct/tray pathways
- Dry or wet locations

FEATURES

- Exceeds ANSI/TIA-568-C.3 optical performance
- Dry-block design meets Telcordia ANSI/ICEA S-104-696 water-block requirements
- 3 mm subunit
- UL/NEC Listed OFCR/OFCP
- All dielectric
- Jacket rip cord
- Black, UL Listed sunlight resistant outer jacket
- BrakeBox® payout control system
- Tube color indicates fiber type

BENEFITS

- Future-proof fiber performance for current and future multi-gigabit applications
- Cable integrity maintained even if damage occurs to protective layers
- Attaches directly to MTP® or MPO mechanical connectors
- Eliminates the need to purchase separate cables for OSP and indoor/riser or plenum applications
- No additional grounding materials need to be purchased
- Saves time in cable preparation
- Long periods of direct sunlight exposure will not damage cable
- Adjustable tension control on reel prevents over spin and entangling of cable
- Quickly identifies the fiber type without searching for the jacket print

SPECIFICATIONS

2 - 12 Fiber Single Unit Configuration	3 mm central subunit surrounded by additional water-blocking glass yarns and an outer jacket
24-48 Fiber Multi-Unit Configuration	3mm subunits stranded around a central strength element and surrounded by water blocking glass yarns, a ripcord and an outer jacket
Subunit Configuration	3mm subunits containing 2 to 12, 250 µm fibers and water blocking aramid yarns surrounded by a flame retardant PVC jacket
Subunit Strength Elements	Water-blocking aramid yarns
Subunit Jacket	Flame retardant (FR) PVC
Strength Elements	Water-blocking glass yarns and/or glass reinforced plastic rod
Cable Jacket	Riser: Black, FR, chemical and sunlight resistant PVC Plenum: Black, FR, chemical and sunlight resistant fluoropolymer
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
Performance Compliance	UL 1569 UL 1651 CSA C22.2 No. 232 UL 1666 NFPA 130 (Plenum) NFPA 262 ANSI/ICEA S-83-596 ANSI/ICEA S-104-696 ANSI/TIA-568-C.3 RoHS-compliant
NRTL Programs	UL, c(UL) Listed OFCR/OFCP UL, c(UL) Listed Sunlight Resistant

ENVIRONMENTAL SPECIFICATIONS

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

PART NUMBER KEY

F	1 or 2	6	0 or 2	-	-	-	-	U	x	x	-	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 ¹	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 Unit										
OFCR	F160-002Uxx-E991	2	0.55 (14.0)	110 (164)	300 (1,340)	90 (400)	8.3 (210)	5.5 (140)	Plywood	
OFCR	F160-004Uxx-E991	4	0.55 (14.0)	110 (164)	300 (1,340)	90 (400)	8.3 (210)	5.5 (140)	Plywood	
OFCR	F160-006Uxx-E991	6	0.55 (14.0)	110 (164)	300 (1,340)	90 (400)	8.3 (210)	5.5 (140)	Plywood	
OFCR	F160-008Uxx-E991	8	0.55 (14.0)	110 (164)	300 (1,340)	90 (400)	8.3 (210)	5.5 (140)	Plywood	
OFCR	F160-012Uxx-E991	12	0.55 (14.0)	110 (164)	300 (1,340)	90 (400)	8.3 (210)	5.5 (140)	Plywood	
OFCP	F260-002Uxx-E991	2	0.54 (13.8)	128 (191)	300 (1,340)	90 (400)	8.1 (207)	5.4 (138)	Plywood	
OFCP	F260-004Uxx-E991	4	0.54 (13.8)	128 (191)	300 (1,340)	90 (400)	8.1 (207)	5.4 (138)	Plywood	
OFCP	F260-006Uxx-E991	6	0.54 (13.8)	128 (191)	300 (1,340)	90 (400)	8.1 (207)	5.4 (138)	Plywood	
OFCP	F260-008Uxx-E991	8	0.54 (13.8)	128 (191)	300 (1,340)	90 (400)	8.1 (207)	5.4 (138)	Plywood	
OFCP	F260-012Uxx-E991	12	0.54 (13.8)	128 (191)	300 (1,340)	90 (400)	8.1 (207)	5.4 (138)	Plywood	
Multi-Unit										
OFCP	F262-024Uxx-E991	24	0.74 (18.8)	203 (303)	600 (2670)	180 (800)	11.0 (282)	7.4 (188)	Plywood	
OFCP	F262-036Uxx-E991	36	0.74 (18.8)	204 (304)	600 (2670)	180 (800)	11.0 (282)	7.4 (188)	Plywood	
OFCP	F262-048Uxx-E991	48	0.74 (18.8)	205 (305)	600 (2670)	180 (800)	11.0 (282)	7.4 (188)	Plywood	

SINGLE MODE OPTICAL FIBER TYPES

	TeraFlex® Bend Resistant		
	G.657.A1	G.657.A2	G.657.B3
Replace "xx" with:	13	14	15
Typical Attenuation (dB/km)	0.32/0.18 (1310nm/1550nm)		
Max Attenuation (dB/km)	0.7/0.7 (1310nm/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 "xx" with:	23	30	32
Minimum Bandwidth: OFL (MHz-km)	220/500 (850nm/1300nm)	—	—
Minimum Bandwidth: Laser EMB (MHz-km)	—	2000/500 (850nm/1300nm)	4700/500 (850nm/1300nm)
Typical Attenuation (dB/km)	2.5/0.7 (850nm/1300nm)		
Max Attenuation (dB/km)	3.5/1.5 (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.