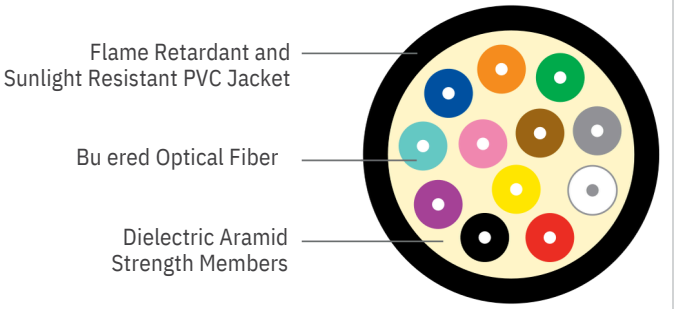
Dry Block, Sunlight Resistant, Indoor/Outdoor, Tight Buffer

OFNR



Specifications

2–24 Fiber Single Unit Configuration	Flexible tight buffer material extruded over fiber to 900 µm diameter; color coded fibers are combined with dielectric aramid yarns for strength and water blocking
24–36 Fiber Multi-Unit Configuration	Dry water-blocked 6-fiber sub-units are grouped to form cable core; core consists of sub-units cabled with additional strength members and water-blocking elements
36–144 Fiber Multi-Unit Configuration	Dry water-blocked 12-fiber sub-units are grouped to form cable core; core consists of sub-units cabled with additional strength members and water-blocking elements
Jacket	Flame retardant, chemical and sunlight resistant black PVC
Performance Compliance	UL 1651 CSA C22.2 No. 232 UL 1666 Telcordia® GR-20-CORE, Issue 3 – Water Penetration ANSI/ICEA S-104-696-2001 ANSI/TIA-568-C.3
NRTL Programs	UL, c(UL) Listed OFNR UL, c(UL) Listed Sunlight Resistant
Sustainability	UL Certified EPD HPD USGBC® Member RoHS-compliant/RoHS 2-compliant REACH-compliant

Product Description

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

The Dry Block, Sunlight Resistant Indoor/Outdoor, Tight Buffer Riser-Rated Cable line offers the system designer the ultimate in premises optical fiber cable utility. These cables can be installed in open spaces, trays, conduits, inner-ducts, trenches, steam tunnels and building riser locations. These cables incorporate the latest in dry water-blocking technology. This system of water blocking eliminates the need to clean off the traditional gel-based water-blocking compounds found in loose tube cables. In addition, breakout kits and or other special termination equipment associated with loose tube Outside Plant (OSP) cables are not required. The outer jacket is comprised of a durable UL® Listed Sunlight Resistant, black polymer that allows for the cable to be exposed to longterm direct sunlight without the concern of material degradation. All fiber types are available, including 50/125 µm, 62.5/125 µm and single mode.

Applications

- Intra/inter-building backbones
- Trench/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
• Exceeds ANSI/TIA-568-C.3 optical performance	• Future-proof fiber performance for current and future multi-gigabit applications
• Dry-block design meets ICEA 696 water-block requirements	• Cable integrity maintained even if damage occurs to protective layers
• 900 µm tight-buffered fibers	• Attaches directly to mechanical connectors
• UL/NEC Listed OFNR	• Eliminates the need to purchase separate cables for OSP and indoor/riser applications
• All dielectric	• No additional grounding materials need to be purchased
• Jacket rip cord	• Saves time in cable preparation
• Black, UL Listed sunlight resistant outer jacket	• Long periods of direct sunlight exposure will not damage cable
• BrakeBox® payout control system	• Adjustable tension control on reel prevents over spin and entangling of cable

MAYA communications
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Part Number Key

F	3	0	8	-	_	_	_	U	x	x	-	E	y	y	1
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Fiber cable	Listing	Cable type		-	Fiber count (002–024)			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
					Install lbs (N)	Long Term lbs (N)	Install in (mm)	Long Term in (mm)	
Single Unit									
OFNR	F308-002Uxx-Eyy1	2	0.23 (5.8)	19 (28)	300 (1340)	180 (800)	9.1 (232)	4.6 (116)	*use key*
OFNR	F308-004Uxx-Eyy1	4	0.23 (5.8)	20 (29)	300 (1340)	180 (800)	9.1 (232)	4.6 (116)	*use key*
OFNR	F308-006Uxx-Eyy1	6	0.23 (5.8)	21 (31)	300 (1340)	180 (800)	9.1 (232)	4.6 (116)	*use key*
OFNR	F308-008Uxx-Eyy1	8	0.26 (6.6)	25 (37)	300 (1340)	180 (800)	10.4 (264)	5.2 (132)	*use key*
OFNR	F308-012Uxx-Eyy1	12	0.30 (7.6)	36 (54)	300 (1340)	180 (800)	12.0 (304)	6.0 (152)	*use key*
OFNR	F308-024Uxx-E991	24	0.35 (8.8)	47 (70)	300 (1340)	180 (800)	13.9 (352)	6.9 (176)	Plywood reel
Multi-Unit									
OFNR	W3024zz01	24	0.59 (14.9)	122 (182)	600 (2,700)	180 (800)	23.8 (604)	11.9 (302)	Plywood reel
OFNR	W3036zz01	36	0.70 (17.7)	179 (267)	600 (2,700)	180 (800)	28.2 (716)	14.1 (358)	Plywood reel
OFNR	W3048zz01	48	0.70 (17.8)	161 (241)	600 (2,700)	180 (800)	28.0 (712)	14.0 (356)	Plywood reel
OFNR	W3072zz01	72	0.84 (21.3)	243 (362)	600 (2,700)	180 (800)	33.5 (852)	16.8 (426)	Plywood reel
OFNR	W3084zz01	84	0.91 (23.2)	294 (439)	600 (2,700)	180 (800)	36.5 (926)	18.2 (463)	Plywood reel
OFNR	W3096zz01	96	0.98 (25.0)	345 (515)	600 (2,700)	180 (800)	39.4 (1000)	19.7 (500)	Plywood reel
OFNR	W3144zz01	144	1.11 (28.3)	375 (559)	600 (2,700)	180 (800)	45.2 (1148)	22.6 (574)	Plywood reel

Single Mode Optical Fiber Types

	TeraFlex® Bend Resistant		
	G.657.A1	G.657.A2	G.657.B3
[1]Replace "xx" with:	13	14	15
[1]Replace "zz" with:	K1	J1	L1
I/O Jacket Color	Black		

See "Optical Fiber Specifications" in the "Technical Info" section for detailed fiber type specifications.

Multimode Optical Fiber Types

	TeraGain®	TeraFlex Bend Resistant Laser Optimized 50/125	
	62.5/125	OM3	OM4
[1]Replace "xx" with:	23	30	32
[1]Replace "zz" with:	6G	NG	PG
I/O Jacket Color	Black		

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:	99	A5	AD
[1]Fiber Counts:	2–12	2–12	2–6

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