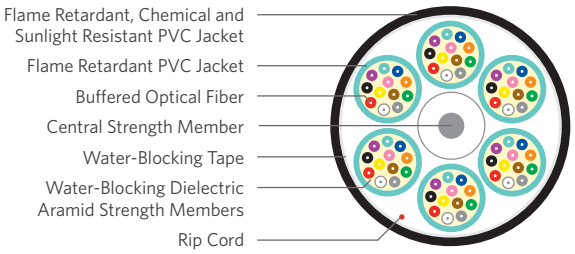
Dry Block, Sunlight Resistant, Indoor/Outdoor

OFNR



PRODUCT DESCRIPTION

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 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. All fiber types are available, including 50/125 µm, 62.5/125 µm and single mode.

SPECIFICATIONS

2-12 Fiber Single Unit Design 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
18-36 Fiber Multi-Unit Design 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
48-144 Fiber Multi-Unit Design 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	Black, flame retardant, chemical and sunlight resistant PVC
Performance Compliance	UL 1651 CSA C22.2 No. 232 UL 1666 Telcordia GR-20-CORE, Issue 3 ANSI/ICEA S-83-596 (single unit designs) ANSI/ICEA S-104-696-2001 (multi-unit designs) ANSI/TIA-568-C.3 RoHS-compliant
NRTL Programs	UL, c(UL) Listed OFNR UL, c(UL) Listed Sunlight Resistant

ENVIRONMENTAL SPECIFICATIONS

Operation	-40°C to +75°C
Storage/Shipping	-40°C to +75°C
Installation	-20°C to +65°C

APPLICATIONS

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

FEATURES	BENEFITS
• Exceeds ANSI/TIA-568-C.3 optical performance	• Future-proof fiber performance for current and future multi-gigabit applications
• Dry-block design meets Telcordia GR-20-CORE 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

PART NUMBERS AND PHYSICAL CHARACTERISTICS

Listing	Part Number[1]	Fiber Count	Nominal Diameter in (mm)	Nominal Weight lbs/kft (kg/km)	Maximum Tensile Loading Install lbs (N)	Maximum Tensile Loading Long Term lbs (N)	Minimum Bend Radius Install in (mm)	Minimum Bend Radius Long Term in (mm)
OFNR	W3002xx01	2	0.20 (5.0)	14 (21)	150 (670)	45 (200)	3.0 (75)	2.0 (50)
OFNR	W3004xx01	4	0.20 (5.0)	15 (23)	150 (670)	45 (200)	3.0 (75)	2.0 (50)
OFNR	W3006xx01	6	0.20 (5.0)	16 (23)	150 (670)	45 (200)	3.0 (75)	2.0 (50)
OFNR	W3008xx01	8	0.24 (6.0)	21 (31)	150 (670)	45 (200)	3.5 (90)	2.4 (60)
OFNR	W3012xx01	12	0.26 (6.5)	25 (38)	150 (670)	45 (200)	3.8 (97)	2.6 (65)
OFNR	W3018xx01	18	0.55 (14.1)	100 (149)	600 (2,700)	180 (800)	8.3 (211)	5.5 (141)
OFNR	W3024xx01	24	0.59 (14.9)	122 (182)	600 (2,700)	180 (800)	8.8 (224)	5.9 (149)
OFNR	W3030xx01	30	0.63 (16.1)	147 (220)	600 (2,700)	180 (800)	9.5 (242)	6.3 (161)
OFNR	W3036xx01	36	0.70 (17.7)	179 (267)	600 (2,700)	180 (800)	10.5 (266)	7.0 (177)
OFNR	W3048xx01	48	0.70 (17.8)	161 (241)	600 (2,700)	180 (800)	10.5 (267)	7.0 (178)
OFNR	W3060xx01	60	0.78 (19.8)	204 (304)	600 (2,700)	180 (800)	11.7 (297)	7.8 (198)
OFNR	W3072xx01	72	0.84 (21.3)	243 (362)	600 (2,700)	180 (800)	12.6 (320)	8.4 (213)
OFNR	W3084xx01	84	0.91 (23.2)	294 (439)	600 (2,700)	180 (800)	13.7 (347)	9.1 (232)
OFNR	W3096xx01	96	0.98 (25.0)	345 (515)	600 (2,700)	180 (800)	14.8 (375)	9.8 (250)
OFNR	W3144xx01	144	1.11 (28.3)	375 (559)	600 (2,700)	180 (800)	16.7 (425)	11.1 (283)

SINGLE MODE OPTICAL FIBER TYPES

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

MULTIMODE OPTICAL FIBER TYPES

	TeraGain®	TeraGain Laser Optimized 50/125			TeraFlex Bend Resistant Laser Optimized 50/125		
	62.5/125	10G/150	10G/300	10G/550	10G/150	10G/300	10G/550
[1]Replace "xx" with:	6G	AG	BG	FG	MG	NG	PG
I/O Jacket Color	Black						

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

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RoHS
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