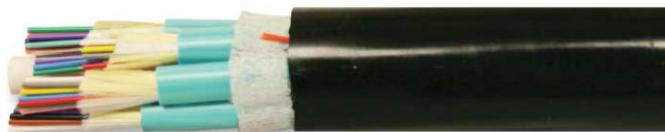
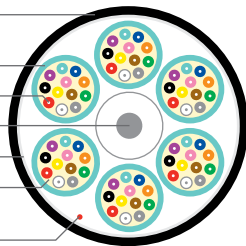


# Dry Block, Sunlight Resistant, Indoor/Outdoor

OFNR



Flame Retardant, Chemical and Sunlight Resistant PVC Jacket  
 Flame Retardant PVC Jacket  
 Buffered Optical Fiber  
 Central Strength Member  
 Water-Blocking Tape  
 Water-Blocking Dielectric Aramid Strength Members  
 Rip Cord



## SPECIFICATIONS

2-12 Fiber Single Unit Configuration	Flexible tight buffer material extruded over fiber to 900 $\mu\text{m}$ diameter; color coded fibers are combined with dielectric aramid yarns for strength and water blocking
18-36 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
48-144 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	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

## 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  $\mu\text{m}$ , 62.5/125  $\mu\text{m}$  and single mode.

## APPLICATIONS

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

## FEATURES

- Exceeds ANSI/TIA-568-C.3 optical performance
- Dry-block design meets Telcordia GR-20-CORE water-block requirements
- 900  $\mu\text{m}$  tight-buffered fibers
- UL/NEC Listed OFNR
- All dielectric
- Jacket rip cord
- Black, UL Listed sunlight resistant outer jacket
- BrakeBox® payout control system

## 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 mechanical connectors
- Eliminates the need to purchase separate cables for OSP and indoor/riser 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

## PART NUMBERS AND PHYSICAL CHARACTERISTICS

Listing	Part Number <sup>1</sup>	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)	
OFNR	W3002xxyy	2	0.20 (5.0)	14 (21)	150 (670)	45 (200)	3.0 (75)	2.0 (50)	use key
OFNR	W3004xxyy	4	0.20 (5.0)	15 (23)	150 (670)	45 (200)	3.0 (75)	2.0 (50)	use key
OFNR	W3006xxyy	6	0.20 (5.0)	16 (23)	150 (670)	45 (200)	3.0 (75)	2.0 (50)	use key
OFNR	W3008xxyy	8	0.24 (6.0)	21 (31)	150 (670)	45 (200)	3.5 (90)	2.4 (60)	use key
OFNR	W3012xxyy	12	0.26 (6.5)	25 (38)	150 (670)	45 (200)	3.8 (97)	2.6 (65)	use key
OFNR	W3018xx01	18	0.55 (14.1)	100 (149)	600 (2,700)	180 (800)	8.3 (211)	5.5 (141)	Plywood reel
OFNR	W3024xx01	24	0.59 (14.9)	122 (182)	600 (2,700)	180 (800)	8.8 (224)	5.9 (149)	Plywood reel
OFNR	W3030xx01	30	0.63 (16.1)	147 (220)	600 (2,700)	180 (800)	9.5 (242)	6.3 (161)	Plywood reel
OFNR	W3036xx01	36	0.70 (17.7)	179 (267)	600 (2,700)	180 (800)	10.5 (266)	7.0 (177)	Plywood reel
OFNR	W3048xx01	48	0.70 (17.8)	161 (241)	600 (2,700)	180 (800)	10.5 (267)	7.0 (178)	Plywood reel
OFNR	W3060xx01	60	0.78 (19.8)	204 (304)	600 (2,700)	180 (800)	11.7 (297)	7.8 (198)	Plywood reel
OFNR	W3072xx01	72	0.84 (21.3)	243 (362)	600 (2,700)	180 (800)	12.6 (320)	8.4 (213)	Plywood reel
OFNR	W3084xx01	84	0.91 (23.2)	294 (439)	600 (2,700)	180 (800)	13.7 (347)	9.1 (232)	Plywood reel
OFNR	W3096xx01	96	0.98 (25.0)	345 (515)	600 (2,700)	180 (800)	14.8 (375)	9.8 (250)	Plywood reel
OFNR	W3144xx01	144	1.11 (28.3)	375 (559)	600 (2,700)	180 (800)	16.7 (425)	11.1 (283)	Plywood reel

## SINGLE MODE OPTICAL FIBER TYPES

	TeraFlex® Bend Resistant		
	G.657.A1	G.657.A2	G.657.B3
<sup>1</sup> Replace "xx" with:	K1	J1	L1
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 "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.

## PACKAGING

	Cut to Length Plywood Reel	1,000 ft BrakeBox	1,500 ft BrakeBox	2,000 ft BrakeBox
<sup>1</sup> Replace "yy" with:	01	BB	BD	BC