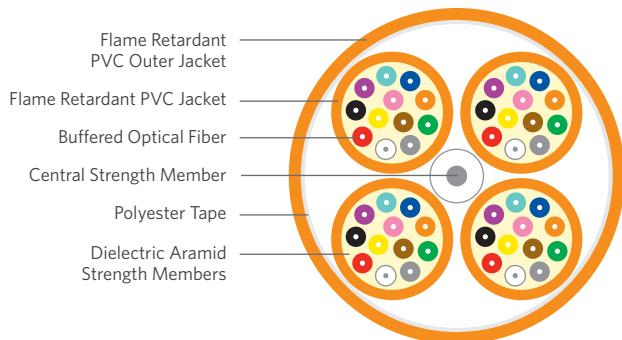


Multi-Unit Distribution

OFNR/OFNP



PRODUCT DESCRIPTION

Premises Multi-unit Distribution Optical Fiber Cables are constructed using 6 or 12-fiber subunits stranded around a central strength member in a RoHS-compliant design for fiber counts from 18 through 144. Standard fibers for these cables include Reduced Water Peak (RWP) single mode, TeraGain® 220/600 62.5 μm multimode and TeraGain 10G/150 – laser optimized 50 μm multimode fiber. All fibers exceed industry requirements.

The design consists of flexible 900 μm tight buffered industry standard 250 μm fibers (900/250/125 μm) and is suitable for use with standard connectors, like the SC, ST, and FC, and small-form-factor connectors like the LC. Subunits are constructed using dielectric aramid yarns for strength while maintaining flexibility and are jacketed using the color appropriate to the type of fiber in the cable. The subunits are then reverse oscillating lay (ROL) stranded around a flexible high-strength glass reinforced rod which provides exceptional resistance to dimensional changes due to temperature. A durable, flame resistant outer jacket is applied over the cable core using appropriate OFNR or OFNP rated materials.

APPLICATIONS

- Intra-building backbones
- Conduit pathways
- Service entrance to communication closets
- “Behind-the-shelf” connections

FEATURES

- Subunits are color coded according to fiber type
- Numbered subunits

BENEFITS

- Easily identify fiber type
- Easily identifies correct subunit on each end

SPECIFICATIONS

18-36 Fiber Configuration	6-fiber subunits, reverse oscillating lay (ROL) stranded around flexible high-strength glass reinforced rod
48-144 Fiber Configuration	12-fiber subunits, ROL stranded around flexible high-strength glass reinforced rod
Subunit Jacket	OFNR: Flame retardant (FR) PVC OFNP: FR, low smoke PVC
Outer Jacket	OFNR: FR PVC OFNP: FR PVDF
Performance Compliance	UL 1651 CSA C22.2 No. 232 UL 1666 NFPA 262 Telcordia GR-409-CORE, Issue 2 ANSI/ICEA S-83-596 ANSI/TIA-568-C.3 RoHS-compliant
NRTL Programs	UL, c(UL) Listed OFNR UL, c(UL) Listed OFNP

ENVIRONMENTAL SPECIFICATIONS

	Riser	Plenum
Operation	-20°C to +75°C	0°C to +75°C
Storage/Shipping	-40°C to +75°C	-40°C to +75°C
Installation	0°C to +65°C	0°C to +65°C

PART NUMBERS AND PHYSICAL CHARACTERISTICS

Listing	Part Number ¹	Fiber Type	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	43018x101	Single mode	18	0.54 (13.7)	96 (143)	600 (2,640)	180 (800)	8.1 (206)	5.4 (137)	Reel
OFNR	43024x101	Single mode	24	0.57 (14.6)	117 (174)	600 (2,640)	180 (800)	8.6 (218)	5.7 (146)	Reel
OFNR	43030x101	Single mode	30	0.62 (15.8)	140 (210)	600 (2,640)	180 (800)	9.3 (236)	6.2 (158)	Reel
OFNR	43036x101	Single mode	36	0.68 (17.4)	171 (255)	600 (2,640)	180 (800)	10.2 (260)	6.8 (174)	Reel
OFNR	43048x101	Single mode	48	0.69 (17.5)	155 (232)	600 (2,640)	180 (800)	10.3 (262)	6.9 (175)	Reel
OFNR	43060x101	Single mode	60	0.77 (19.5)	195 (291)	600 (2,640)	180 (800)	11.5 (292)	7.7 (195)	Reel
OFNR	43072x101	Single mode	72	0.82 (21.0)	233 (348)	600 (2,640)	180 (800)	12.4 (314)	8.2 (210)	Reel
OFNR	43084x101	Single mode	84	0.92 (23.3)	289 (431)	600 (2,640)	180 (800)	13.7 (349)	9.2 (233)	Reel
OFNR	43096x101	Single mode	96	0.97 (24.7)	337 (503)	600 (2,640)	180 (800)	14.6 (370)	9.7 (247)	Reel
OFNR	43144x101	Single mode	144	1.11 (28.3)	362 (540)	600 (2,640)	180 (800)	16.7 (425)	11.1 (283)	Reel
OFNP	44018x101	Single mode	18	0.54 (13.8)	117 (175)	600 (2,640)	180 (800)	8.1 (206)	5.4 (138)	Reel
OFNP	44024x101	Single mode	24	0.57 (14.6)	141 (211)	600 (2,640)	180 (800)	8.6 (219)	5.7 (146)	Reel
OFNP	44030x101	Single mode	30	0.62 (15.8)	176 (262)	600 (2,640)	180 (800)	9.3 (237)	6.2 (158)	Reel
OFNP	44036x101	Single mode	36	0.69 (17.4)	206 (307)	600 (2,640)	180 (800)	10.3 (261)	6.9 (174)	Reel
OFNP	44048x101	Single mode	48	0.67 (17.1)	184 (275)	600 (2,640)	180 (800)	10.1 (257)	6.7 (171)	Reel
OFNP	44060x101	Single mode	60	0.74 (18.9)	229 (341)	600 (2,640)	180 (800)	11.2 (284)	7.4 (189)	Reel
OFNP	44072x101	Single mode	72	0.81 (20.6)	276 (412)	600 (2,640)	180 (800)	12.2 (309)	8.1 (206)	Reel
OFNP	44096x101	Single mode	96	0.87 (22.0)	313 (467)	600 (2,640)	180 (800)	13.0 (330)	8.7 (220)	Reel
OFNP	44144x101	Single mode	144	0.92 (23.4)	318 (474)	600 (2,640)	180 (800)	13.8 (351)	9.2 (234)	Reel
OFNR	43018yG01	Multimode	18	0.54 (13.7)	96 (143)	600 (2,640)	180 (800)	8.1 (206)	5.4 (137)	Reel
OFNR	43024yG01	Multimode	24	0.57 (14.6)	117 (174)	600 (2,640)	180 (800)	8.6 (218)	5.7 (146)	Reel
OFNR	43030yG01	Multimode	30	0.62 (15.8)	140 (210)	600 (2,640)	180 (800)	9.3 (236)	6.2 (158)	Reel
OFNR	43036yG01	Multimode	36	0.68 (17.4)	171 (255)	600 (2,640)	180 (800)	10.2 (260)	6.8 (174)	Reel
OFNR	43048yG01	Multimode	48	0.69 (17.5)	155 (232)	600 (2,640)	180 (800)	10.3 (262)	6.9 (175)	Reel
OFNR	43060yG01	Multimode	60	0.77 (19.5)	195 (291)	600 (2,640)	180 (800)	11.5 (292)	7.7 (195)	Reel
OFNR	43072yG01	Multimode	72	0.82 (21.0)	233 (348)	600 (2,640)	180 (800)	12.4 (314)	8.2 (210)	Reel
OFNR	43084yG01	Multimode	84	0.92 (23.3)	289 (431)	600 (2,640)	180 (800)	13.7 (349)	9.2 (233)	Reel
OFNR	43096yG01	Multimode	96	0.97 (24.7)	337 (503)	600 (2,640)	180 (800)	14.6 (370)	9.7 (247)	Reel
OFNR	43144yG01	Multimode	144	1.11 (28.3)	362 (540)	600 (2,640)	180 (800)	16.7 (425)	11.1 (283)	Reel
OFNP	44018yG01	Multimode	18	0.54 (13.8)	117 (175)	600 (2,640)	180 (800)	8.1 (206)	5.4 (138)	Reel
OFNP	44024yG01	Multimode	24	0.57 (14.6)	141 (211)	600 (2,640)	180 (800)	8.6 (219)	5.7 (146)	Reel
OFNP	44030yG01	Multimode	30	0.62 (15.8)	176 (262)	600 (2,640)	180 (800)	9.3 (237)	6.2 (158)	Reel
OFNP	44036yG01	Multimode	36	0.69 (17.4)	206 (307)	600 (2,640)	180 (800)	10.3 (261)	6.9 (174)	Reel
OFNP	44048yG01	Multimode	48	0.67 (17.1)	184 (275)	600 (2,640)	180 (800)	10.1 (257)	6.7 (171)	Reel
OFNP	44060yG01	Multimode	60	0.74 (18.9)	229 (341)	600 (2,640)	180 (800)	11.2 (284)	7.4 (189)	Reel
OFNP	44072yG01	Multimode	72	0.81 (20.6)	276 (412)	600 (2,640)	180 (800)	12.2 (309)	8.1 (206)	Reel
OFNP	44096yG01	Multimode	96	0.87 (22.0)	313 (467)	600 (2,640)	180 (800)	13.0 (330)	8.7 (220)	Reel
OFNP	44144yG01	Multimode	144	0.92 (23.4)	318 (474)	600 (2,640)	180 (800)	13.8 (351)	9.2 (234)	Reel

SINGLE MODE OPTICAL FIBER TYPES

Standard Jacket Colors*	Reduced Water Peak	TeraFlex® Bend Resistant		
		G.657.A1	G.657.A2	G.657.B3
¹ Replace "x" with:	3	K	J	L
		Yellow		

MULTIMODE OPTICAL FIBER TYPES

Standard Jacket Colors*	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
¹ Replace "y" with:	6	A	B	F	M	N	P
		Orange			Aqua		

*Other jacket colors available upon request.
See the "Optical Fiber Selection Chart" in the "Technical Information" section for detailed fiber type specifications.