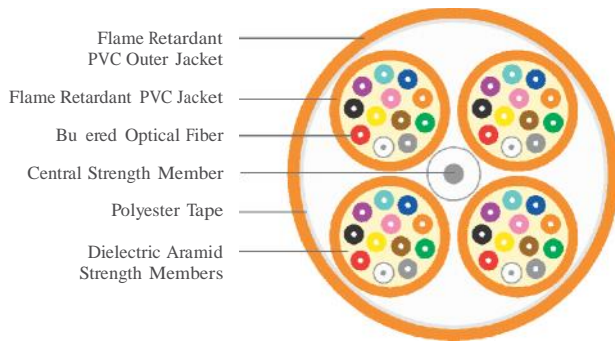


multi-Unit distribution

OFNR/OFNP



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/CEA 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

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

- Intrabuilding 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

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	143018x1011	Single mode	18	0.54 (13.7)	96 (143)	600 (2,640)	180 (800)	8.1 (206)	5.4 (137)	Reel
OFNR	143024x1011	Single mode	24	0.57 (14.6)	117 (174)	600 (2,640)	180 (800)	8.6 (218)	5.7 (146)	Reel
OFNR	143030x1011	Single mode	30	0.62 (15.8)	140 (210)	600 (2,640)	180 (800)	9.3 (236)	6.2 (158)	Reel
OFNR	143036x1011	Single mode	36	0.68 (17.4)	171 (255)	600 (2,640)	180 (800)	10.2 (260)	6.8 (174)	Reel
OFNR	143048x1011	Single mode	48	0.69 (17.5)	155 (232)	600 (2,640)	180 (800)	10.3 (262)	6.9 (175)	Reel
OFNR	143060x1011	Single mode	60	0.77 (19.5)	195 (291)	600 (2,640)	180 (800)	11.5 (292)	7.7 (195)	Reel
OFNR	143072x1011	Single mode	72	0.82 (21.0)	233 (348)	600 (2,640)	180 (800)	12.4 (314)	8.2 (210)	Reel
OFNR	143084x1011	Single mode	84	0.92 (23.3)	289 (431)	600 (2,640)	180 (800)	13.7 (349)	9.2 (233)	Reel
OFNR	143096x1011	Single mode	96	0.97 (24.7)	337 (503)	600 (2,640)	180 (800)	14.6 (370)	9.7 (247)	Reel
OFNR	143144x1011	Single mode	144	1.11 (28.3)	362 (540)	600 (2,640)	180 (800)	16.7 (425)	11.1 (283)	Reel
OFNP	144018x1011	Single mode	18	0.54 (13.8)	117 (175)	600 (2,640)	180 (800)	8.1 (206)	5.4 (138)	Reel
OFNP	144024x1011	Single mode	24	0.57 (14.6)	141 (211)	600 (2,640)	180 (800)	8.6 (219)	5.7 (146)	Reel
OFNP	144030x1011	Single mode	30	0.62 (15.8)	176 (262)	600 (2,640)	180 (800)	9.3 (237)	6.2 (158)	Reel
OFNP	144036x1011	Single mode	36	0.69 (17.4)	206 (307)	600 (2,640)	180 (800)	10.3 (261)	6.9 (174)	Reel
OFNP	144048x1011	Single mode	48	0.67 (17.1)	184 (275)	600 (2,640)	180 (800)	10.1 (257)	6.7 (171)	Reel
OFNP	144060x1011	Single mode	60	0.74 (18.9)	229 (341)	600 (2,640)	180 (800)	11.2 (284)	7.4 (189)	Reel
OFNP	144072x1011	Single mode	72	0.81 (20.6)	276 (412)	600 (2,640)	180 (800)	12.2 (309)	8.1 (206)	Reel
OFNP	144096x1011	Single mode	96	0.87 (22.0)	313 (467)	600 (2,640)	180 (800)	13.0 (330)	8.7 (220)	Reel
OFNP	144144x1011	Single mode	144	0.92 (23.4)	318 (474)	600 (2,640)	180 (800)	13.8 (351)	9.2 (234)	Reel
OFNR	143018yG011	Multimode	18	0.54 (13.7)	96 (143)	600 (2,640)	180 (800)	8.1 (206)	5.4 (137)	Reel
OFNR	143024yG011	Multimode	24	0.57 (14.6)	117 (174)	600 (2,640)	180 (800)	8.6 (218)	5.7 (146)	Reel
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Single mode
Multimode OM3
Multimode OM4
Plastic Optical

TeraGain

Ted

Water Peak
OSP CABLE
fTTP
Wireless
TECh info
index

G.657.A1 G.657.A2 G.657.B3 62.5/125

10G/150
 10G/300
 10G/550
 10G/150
 10G/300
 10G/550

Replace "x" with:	3	K	J	L
Standard Jacket Colors*	Yellow			

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