

# Dry Block, Sunlight Resistant, Indoor/Outdoor

OFNP

## PRODUCT DESCRIPTION

The Superior Essex Dry Block, Sunlight Resistant Indoor/Outdoor Plenum cable is designed to survive the toughest installation and environmental conditions. Not only does the cable exceed the rigorous Indoor/Outdoor plenum cable performance requirements of ICEA 696, but its proprietary thermoplastic jacket makes it resistant to mechanical abrasion, chemicals, oil and sunlight. The cable core consists of 6, 8 or 12 fibers. GRP and aramid yarn dielectric strength elements give the cable both strength and flexibility and the core is fully water-blocking using dry SAP technology. The cable is available in TeraFlex® Bend Resistant optical fiber types, including both single mode and 50 micron multimode.

## APPLICATIONS

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

## FEATURES

- 900 micron tight buffered optical fibers
- Full water blocking with SAP DryBlock
- Tough, thermoplastic jacket
- Meets or exceeds ANSI/ICEA S-104-696-2001
- Plenum (OFNP) rated designs
- Available in both single mode and multimode TeraFlex Bend Resistant fiber types

## BENEFITS

- Allows for either fusion or mechanical connectors
- Prevents water ingress from OSP splice enclosures
- Abrasion, chemical, oil and sunlight resistant
- Worry-free installation and performance
- Plenum listing allows for cable placement in both plenum and riser spaces
- Choose the fiber needed for long distance, short-haul FTTx and data center applications

## ENVIRONMENTAL SPECIFICATIONS

Operation	-40°C to +70°C
Storage/Shipping	-40°C to +70°C
Installation	0°C to +60°C

## 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)	
OFNP	W4006xx01	6	0.23 (5.9)	26 (39)	300 (1,340)	90 (400)	9.3 (236)	4.6 (118)	Plywood reel
OFNP	W4008xx01	8	0.26 (6.7)	32 (47)	300 (1,340)	90 (400)	10.6 (268)	5.3 (134)	Plywood reel
OFNP	W4012xx01	12	0.30 (7.5)	41 (62)	300 (1,340)	90 (400)	11.8 (300)	5.9 (150)	Plywood reel

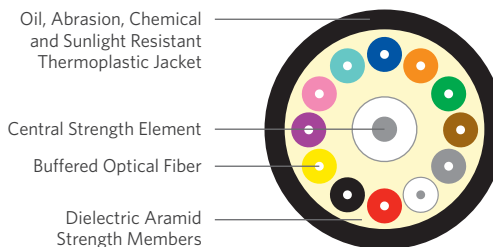
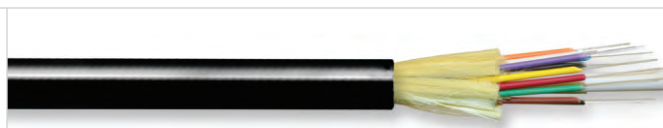
## SINGLE MODE OPTICAL FIBER TYPES

	Reduced Water Peak	Zero Water Peak	TeraFlex® Bend Resistant		
			G.657.A1	G.657.A2	G.657.B3
<sup>1</sup> Replace "xx" with:	31	21	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 Info" section for detailed fiber type specifications.



## SPECIFICATIONS

Configuration	6, 8 or 12 optical fibers surrounding dielectric strength elements with an overall jacket
Fiber Type	900 micron tight buffered 250 micron optical fiber
Dielectric Strength Elements	Glass Reinforced Plastic (GRP) and aramid yarns
Water-Blocking	SAP Dry Block
Jacket	Black, oil, chemical, abrasion and UV resistant plenum grade thermoplastic
Maximum Attenuation dB/km	Single mode: @ 1300 nm: 0.7 @ 1380 nm: 0.7 @ 1550 nm: 0.7 Multimode: @ 850 nm: 3.5 @ 1300 nm: 1.5
Performance Compliance	UL 1651 CSA C22.2 No. 232 NFPA 262 ANSI/ICEA S-104-696-2001 ANSI/TIA-568-C.3 RoHS-compliant
NRTL Programs	UL, c(UL) Listed OFNP UL, c(UL) Listed Sunlight Resistant