

Single Jacket Single Armor Outdoor Cable

290 - 576 Fiber Arid-Core® Construction

Stranded Loose Tube

with 24-fiber Subunits

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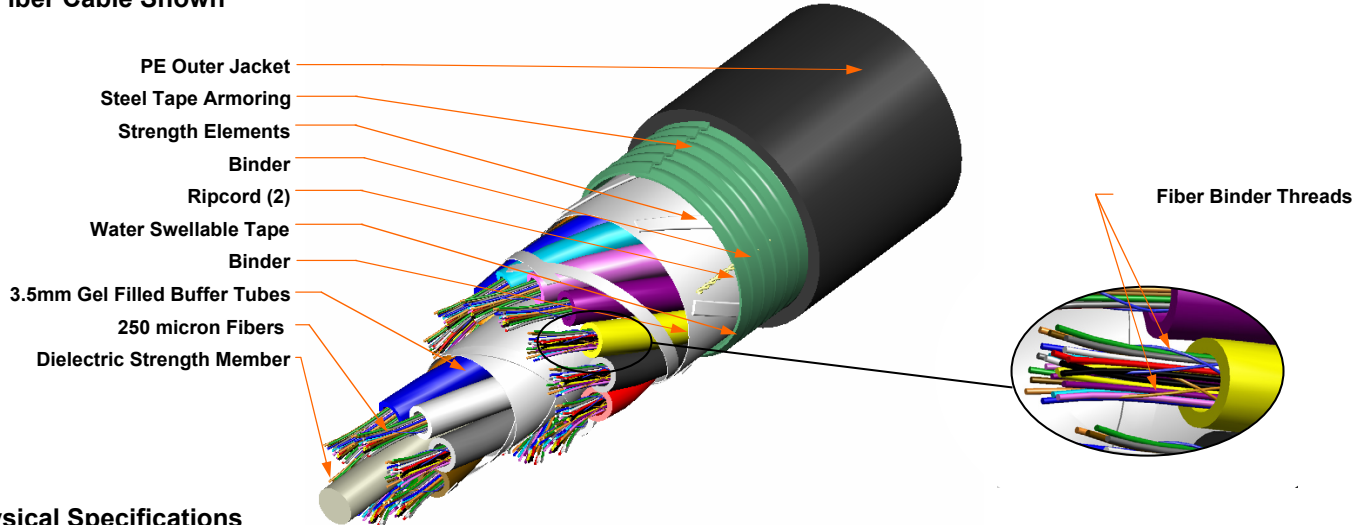
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432 Fiber Cable Shown



Physical Specifications

Fiber Count	Catalog Number	Subunits	Outer Diameter in. (mm)	Weight lbs/kft (kg/km)	Minimum Bend Radius in. (cm)		Max. Tensile Load lbs. (Newtons)		Maximum Vertical Rise Feet (Meters)
					Loaded	Unloaded	Short Term	Long Term	
290 - 432	O-XXX-LA-XY-F24NS	18	0.90 (23.0)	268 (399)	18.1 (46.0)	9.0 (23.0)	607 (2700)	180 (800)	673 (205)
434 - 576	O-XXX-LA-XY-F24NS	24	1.03 (26.2)	345 (515)	20.6 (52.4)	10.3 (26.2)	607 (2700)	180 (800)	521 (159)

*Replace **XXX** with Number of Fibers
Replace **XY** with Fiber Type and Grade (See *Optical Performance Sheet*)

Environmental and Mechanical

	Specification	Test Method
Operating Temperature	-40° to 158° F (-40° to +70° C)	FOTP - 3
Installation Temperature	-22° to 140° F (-30° to +60° C)	N/A
Storage Temperature	-40° to 167° F (-40° to +75° C)	N/A
Crush Resistance	250 lbf/in (44 N/mm)	FOTP - 41
Impact Resistance	Exceeds	FOTP - 25
Flexing	25 Cycles	FOTP - 104
Twist Bend	Exceeds	FOTP - 85

CommScope Outside Plant Fiber Optic Cables are qualified to the requirements of ANSI/ICEA S-87-640-1999, Standard for Optical Fiber Outside Plant Communications Cable, GR-20-CORE, Issue 2 Generic Requirements for OSP Fiber Optic Cable, EN 187105, European Standard for Optical Cable.



Cable Identification

Cable Jacket - Black medium density polyethylene with optional co-extruded color stripes		
Buffer Tubes, Fiber Binder Threads, and Fibers are identified with standard color coding:		
1 - Blue	5 - Slate	9 - Yellow
2 - Orange	6 - White	10 - Violet
3 - Green	7 - Red	11 - Rose
4 - Brown	8 - Black	12 - Aqua
Buffer tubes 13 thru 24 repeat the color sequence with tracer stripe: e.g. Buffer Tube 13 is blue with tracer stripe.		

Drawings not to scale
Specifications subject to change
Revision Date: 1/24/07