

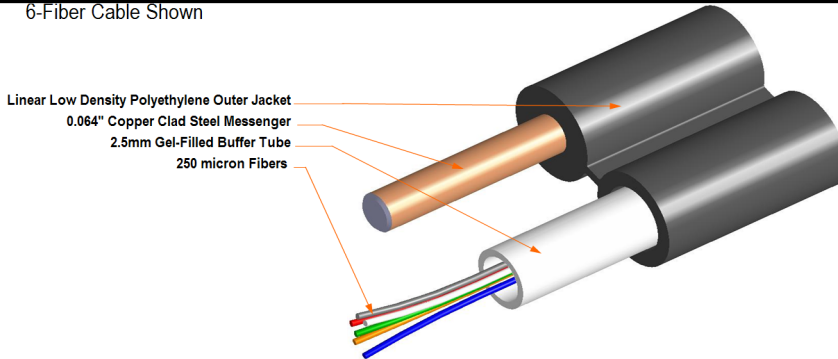
Self-Support Non-Armor Figure-8 Outdoor Drop Cable

2 - 6 Fiber Arid-Core® Construction

Solid Steel Messenger

6-Fiber Subunits

6-Fiber Cable Shown



Physical Specifications

Fiber Count	Catalog Number	Subunits	Outer Diameter	Weight	Minimum Bend Radius		Max. Tensile Window		Maximum Vertical Rise
					Loaded	Unloaded	Short Term	Long Term	
2 - 6	M-XXX-MN-XY-FZZNS/CCS*	1	3.8 mm; 0.15 in	39 kg/km; 27 lbs/kft	7.5 cm; 3.0 in.	3.8 cm; 1.5 in.	1334 N; 300 lbs	400 N; 90 lbs	1,037 m; 3,401 ft
XXX - XXX	M-XXX-MN-XY-FZZNS/ AAaaa/BBbbb/CCS*†	Composite Cable with multiple fiber types: See information above for requested total fiber count							

* Replace XXX with Number of Fibers

Replace XY with Fiber Type and Grade (See Optical Performance Sheet)

Replace ZZ with Number of Fibers per Tube

† For multiple fiber types, replace AA with Fiber Type and Grade #1 and replace BB with Fiber Type and Grade #2; replace aaa and bbb with number of fibers for each fiber type.

Environmental Specifications

Installation Temperature	-30°C to +70°C; -22°F to 158°F
Operating Temperature	-40°C to +70°C; -40°F to 158°F
Storage Temperature	-40°C to +75°C; -40°F to 167°F

Mechanical Test Specifications

Test	Requirement	Test Method
Compression	10 N/mm; 57 lbf/in	FOTP-41; IEC 60794-1-2, Section 7
Flex	35 Cycles	FOTP-24; IEC 60794-1-2, Section 10
Impact	Cable Diameter Dependant	FOTP-25; IEC 60794-1-2, Section 8
Strain	See long & short term tensile loads	FOTP-33; IEC 60794-1-2, Section 5
Twist	10 Cycles	FOTP-85; IEC 60794-1-2, Section 11
Water Penetration	24 Hours	FOTP-82; IEC 60794-1-2, Section 24

Environmental Test Specifications

Test	Requirement	Test Method
Cable Freeze	-2°C; 28°F	FOTP-98
Drip	+70°C; 140°F	FOTP-81; IEC 60794-1-2, Section 17
Heat Age	-40°C to +85°C; -40°F to 185°F	N/A
Low High Bend	-30°C to +60°C; -22°F to 140°F	FOTP-28; IEC 60794-1-2, Section 28
Temperature Cycle	-40°C to +70°C; -40°F to 158°F	FOTP-3; IEC 60794-1-2, Section 22

CommScope Optical Cables are qualified under the general guidelines of the following specifications:

ANSI/ICEA S-87-640-2006; Telcordia GR-20-CORE Issue 3; EN 187105

RUS/RDUP 7 CFR 1755.903 RD Telecommunications Program listed



©2009 CommScope, Inc. All Rights Reserved.

All trademarks identified by ® or ™ are registered trademarks or trademarks, respectively, of CommScope. All Specifications are subject to change. See www.commscope.com for the most current information.

Cable Identification

Cable Jacket - Black low density polyethylene

Color Identification

Fibers are identified with standard color coding:	
1-Blue	4-Brown
2-Orange	5-Slate
3-Green	6-White

 Drawings not to scale
 Specifications Subject to Change
 Revision Date: 1/11/2010