



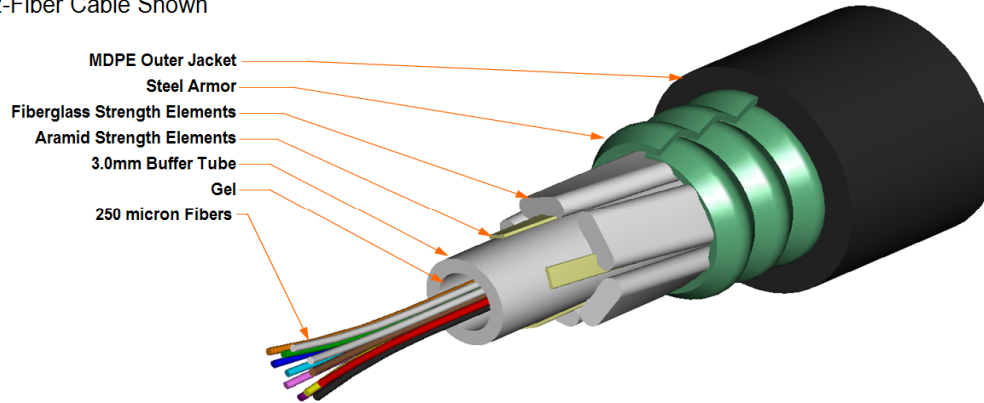
# Single Jacket Single Armor Outdoor Drop Cable

## 1 - 12 Fiber Arid-Core® Construction

### Central Loose Tube

### 12-Fiber Buffer Tubes

12-Fiber Cable Shown

**Physical Specifications**

Fiber Count	Catalog Number	Cable Outer Diameter	Buffer Tubes	Weight	Minimum Bend Radius		Max. Tensile Window		Maximum Vertical Rise
					Loaded	Unloaded	Short Term	Long Term	
1 - 12	O-XXX-DA-XY-FZZNS *	8.0 mm; 0.31 in	1	69 kg/km; 46 lbs/kft	12.0 cm; 4.7 in.	8.0 cm; 3.1 in.	1334 N; 300 lbs	400 N; 90 lbs	595 m; 1,952 ft

\* 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

CommScope offers bend-insensitive, ITU-T G.657.A compliant, singlemode fiber (CommScope Type 8F). When using Fiber Type 8F, a minimum bend radius of 5X the cable diameter can be used for unloaded conditions.

**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	24 Hours

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

ANSI/ICEA S-110-717-2003

RUS/RDUP 7 CFR 1755.903 RD Telecommunications Program Listed



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**Cable Identification**

Cable Jacket - Black medium density polyethylene with optional co-extruded colored tracer stripes
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**Color Identification**

Fibers are identified with standard color coding:
• 1-Blue, 2-Orange, 3-Green, 4-Brown, 5-Slate, 6-White, 7-Red, 8-Black, 9-Yellow, 10-Violet, 11-Rose, 12-Aqua

**Cable Features/Benefits**

• Drop Single Jacket Single Armor for Buried/Underground/Lashed Aerial Applications
• Corrugated steel tape armor is strong yet flexible providing additional crush and rodent protection
• Cost effective low fiber count cable for outside plant applications
• Arid-Core® water blocking technology helps protect fibers from moisture and reduces termination effort
• Non-Preferential bend
• Medium Density Polyethylene (MDPE) jacket is rugged, durable, and easy to strip

Drawings not to scale  
Specifications Subject to Change  
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