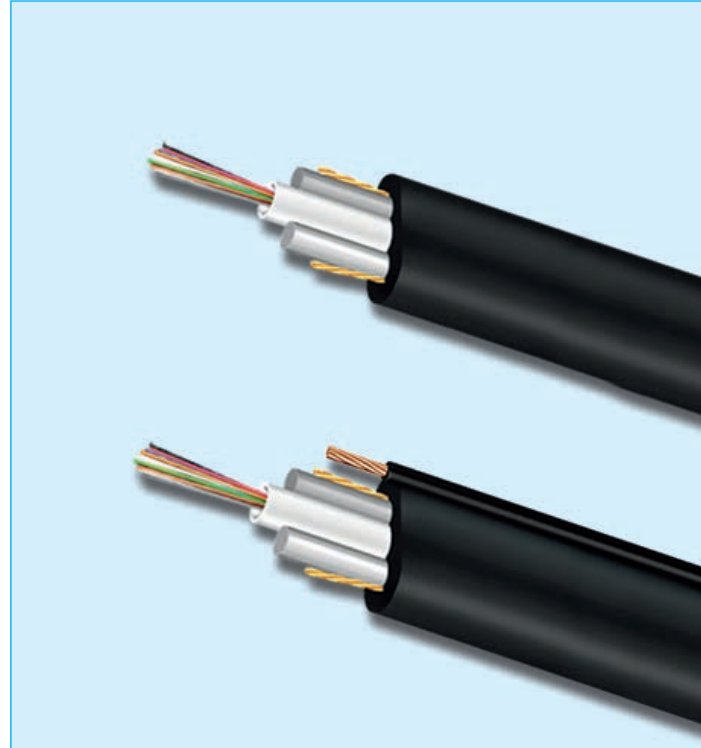


## Flat Drop Fiber Optic Cable

Craft friendly access product solutions for Fiber to the Premise (FTTP) applications continue to be foremost requirements as systems develop commercial services and expand networks to non-traditional customers.



### All-Dielectric Construction

CommScope's all-dielectric Flat Drop Cable is a small, lightweight construction designed for ease of handling and installation. The costs associated with bonding and grounding is eliminated with the all-dielectric design and the dual ripcords simplify cable access and installation. This robust drop cable design supports direct buried, conduit and aerial self-support applications. The Flat Drop cable is also compatible with industry-standard attachment hardware, and is qualified to the ANSI/ICEA S-1 10-717-2013 Standard for Optical Fiber Drop Cable.

### Toneable Construction

CommScope's Toneable Flat Drop Cable is suited for burial applications. The design incorporates a 24 AWG copper conductor that is used to locate the cable after it is buried in the field. This allows for an easy, one step installation in ducts or open trenches since there is no need for the addition of a separate metallic component for detection in underground applications. The metallic portion is easily separated so the wire can be routed to the grounding point and does not affect the performance of the main cable. The Toneable Flat Drop cable is qualified to the ANSI/ICEA S-1 10-717-2013 Standard for Optical Fiber Drop Cable.

### FEATURE

### BENEFIT

ALL-DIELECTRIC AND TONEABLE VERSIONS AVAILABLE

FLEXIBILITY FOR YOUR INSTALLATION NEEDS

COMPACT CABLE DESIGN

REDUCES CABLE WEIGHT

CRAFT FRIENDLY DESIGN

EASE OF MIDSPAN ENTRY

VERSATILE CABLE DESIGNS

SUITABLE FOR DIRECT BURIED, UNDERGROUND CONDUIT, AND AERIAL SELF-SUPPORTING APPLICATIONS

ARID-CORE® MOISTURE BARRIER



FULL WATER BLOCKING PROTECTION FOR OUTSIDE PLANT APPLICATIONS

DUAL RIPCORDS

SIMPLIFIES CABLE ACCESS

# Flat Drop Fiber Optic Cable

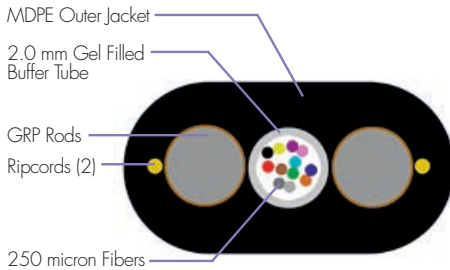
## Physical Specifications

PRODUCT TYPE/ FIBER COUNT	CATALOG NUMBER	CABLE OUTER DIAMETER INCH/MM	CABLE HEIGHT INCH/MM	LMSG. JKT. OUTER DIA. INCH/MM	MINIMUM BEND RADIUS		MAXIMUM TENSILE WINDOW		WEIGHT		
					LOADED INCH/CM	UN-LOADED INCH/CM	SHORT TERM LBS/N	LONG TERM LBS/N	LBS/ KFT	KG/ KM	
<b>All-Dielectric Flat Drop</b> <b>1 - 12 Fibers</b>											
 O-XXX-DF-XY-F12NS	0.32/8.2	0.18/4.5	NA	4.8/12.3	3.2/8.1	300/1334	90/400	28	42		
<b>Toneable Flat Drop</b> <b>1 - 12 Fibers</b>											
 O-XXX-DF-HY-F12NS/ XYXXX/1x24AWG	0.40/10.2	0.18/4.5	0.08/2.0	6.0/15.3	4.0/10.2	300/1334	90/400	33	49		

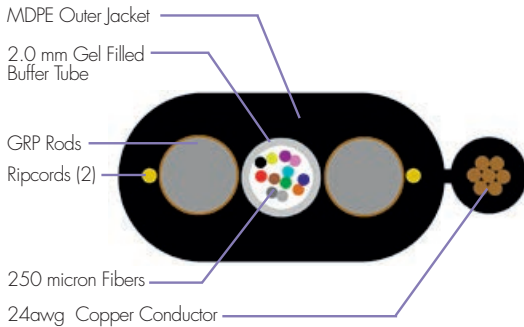
### Variables in the Catalog Number:

<b>XXX</b> = Total Fiber Count	<b>8W</b> LightScope ZVWP® Dispersion-Unshifted, Matched-Clad Singlemode Fiber	<b>6F</b> 62.5µm, FDDI Grade Multimode Fiber
<b>XY</b> = Fiber Grade		<b>5M</b> LazrSPEED® 150, 50µm, Multimode Fiber
<b>ZZZ</b> = Number of Fibers per Tube		
<b>Buffer Tubes/Fiber identification colors:</b> 1/Blue, 2/Orange, 3/Green, 4/Brown, 5/Slate, 6/White, 7/Red, 8/Black, 9/Yellow, 10/Violet, 11/Rose, 12/Aqua		

## All-Dielectric Flat Drop Cable



## Toneable Flat Drop Cable



## Environmental Specifications

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

## Mechanical Test Specifications

TEST	REQUIREMENT	TEST METHOD
Compression	57 lbf/in (10 N/mm)	FOTP-41; IEC 60794-1 E3
Flex	35 Cycles	FOTP-104; IEC 60794-1 E6
Impact	Cable Diameter Dependant	FOTP-25; IEC 60794-1 E4
Strain	See long & short term tensile loads	FOTP-33; IEC 60794-1 E1
Twist	10 Cycles	FOTP-85; IEC 60794-1 E7
Water Penetration	24 Hours	FOTP-82; IEC 60794-1 F5

## Environmental Test Specifications

TEST	REQUIREMENT	TEST METHOD
Cable Freeze	28° F (-2° C)	FOTP-98
Drip	140°F ;+70° C	FOTP-81; IEC 60794-1 E14
Heat Age	-40° to +185°F (-40° to +85°C)	N/A; IEC 60794-1 F9
Low High Bend	-22° to +140°F (-30° to +60°C)	FOTP-37; IEC 60794-1 E11
Temperature Cycle	-40° to +158°F (-40° to +70°C)	FOTP-3; IEC 60794-1 F1

CommScope Optical Cables are qualified under the general guidelines to the following specifications:  
ANSI/ICEA S-110-717-2003  
RUS/RDUP 7 CFR 1755.903 RD Telecommunications Program Listed

Drawings not to scale  
Specifications subject to change

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