

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 has a small, lightweight construction designed for ease of handling and installation. The costs associated with bonding and grounding are 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-110-717-2013 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 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-110-717-2013 Standard for Optical Fiber Drop Cable.

Features	Benefits
All-dielectric and toneable versions available	<ul style="list-style-type: none"> Flexibility for your installation needs
Compact cable design	<ul style="list-style-type: none"> Reduces cable weight
Craft-friendly design	<ul style="list-style-type: none"> Ease of midspan entry
Versatile cable designs	<ul style="list-style-type: none"> Suitable for direct buried, underground conduit, and aerial self-supporting applications
Arid-Core® moisture barrier	<ul style="list-style-type: none"> Full water blocking protection for outside plant applications
Dual ripcords	<ul style="list-style-type: none"> Simplifies cable access

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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
All-dielectric flat drop 1 - 12 fibers 	O-XXX-DF-XY-F12NS	0.32/8.2	0.18/4.5	N/A	4.8/12.3	3.2/8.1	300/1334	90/400	28	42
Toneable flat drop 1 - 12 fibers 	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

XXX = Total fiber count

XY = Fiber type and grade

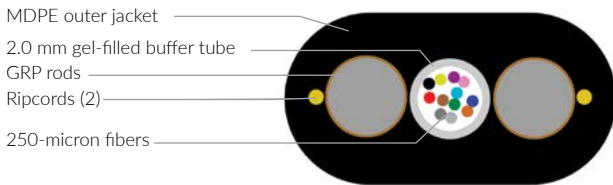
8W CommScope ZWP™ dispersion-unshifted matched-clad singlemode fiber

6F 62.5µm, FDDI grade multimode fiber

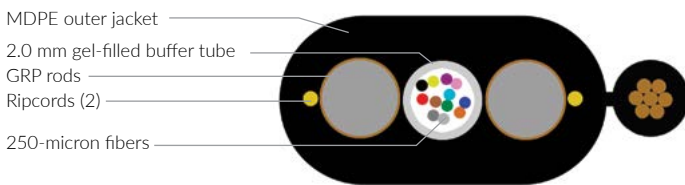
5M LaserCore® 150, 50µm, multimode fiber

Fiber identification colors: 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



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 dependent	FOTP-25; IEC 60794-1 E4
Strain	See long & short 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 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)

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

Drawings not to scale

Specifications are subject to change without notice.

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

Everyone communicates. It's the essence of the human experience. *How* we communicate is evolving. Technology is reshaping the way we live, learn and thrive. The epicenter of this transformation is the network—our passion. Our experts are rethinking the purpose, role and usage of networks to help our customers increase bandwidth, expand capacity, enhance efficiency, speed deployment and simplify migration. From remote cell sites to massive sports arenas, from busy airports to state-of-the-art data centers—we provide the essential expertise and vital infrastructure your business needs to succeed. The world's most advanced networks rely on CommScope connectivity.



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