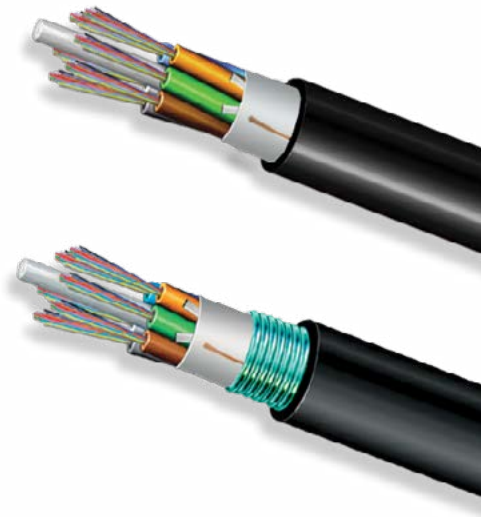


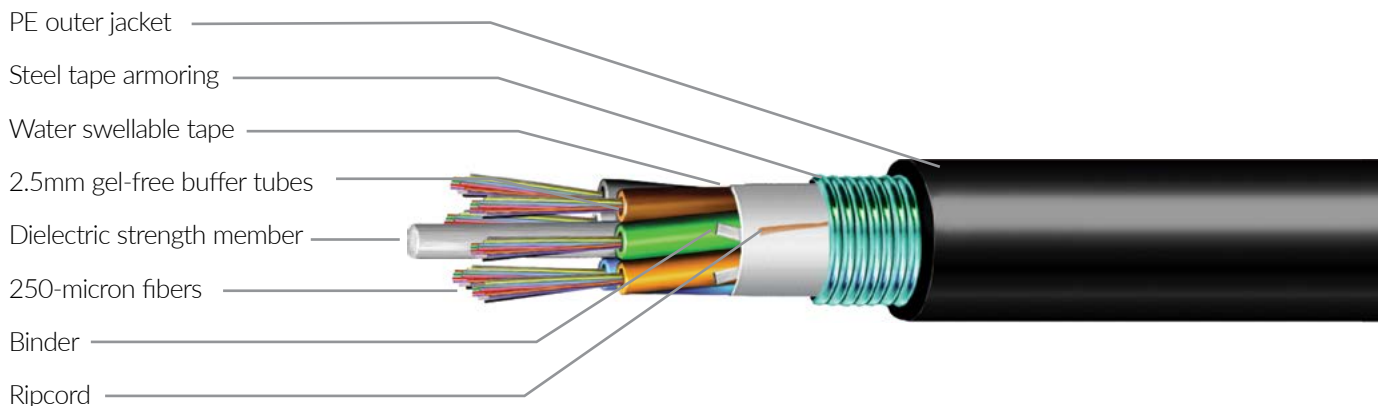
Dry loose tube fiber-optic cable

Craft-friendly product solutions are a foremost requirement in today's fast-paced world. CommScope is committed to offering evolutionary improvements and easy-to-handle constructions in our fiber product offering. An example would be our dry loose tube cable design. This family of gel-free stranded loose tube cables uses all-dry water blocking technology and reduced-diameter buffer tubes. The design is completely gel free, yet it provides full water blocking protection for outside plant applications. The dry loose tube cables are an alternative to standard gel filled loose tube cables, and meet the requirements of ANSI/ICEA S-87-640; Telcordia GR-20-CORE, issue 2; and EN 187105.



Features	Benefits
Dry water blocking technology	Decreases cable prep time; Eliminates need for potentially hazardous solvents; Less consumable materials required; Cleaner, improved work environment; Improved lifespan of equipment; Simplifies work site clean-up
Lightweight cable design	Improves ease of handling
Smaller buffer tubes	Easier routing inside the enclosure
Small overall cable diameters	Maximizes tube space; Improved reel capacity

Dry stranded loose tube



Dry loose tube fiber-optic cable specifications

SINGLE JACKET, SINGLE ARMOR (LA) VERSION AND SINGLE JACKET, ALL-DIELECTRIC (LN) VERSION

PRODUCT TYPE/FIBER COUNT	CATALOG NUMBER	SUBUNITS	OUTER DIAMETER MM	MINIMUM BEND RADIUS		MAXIMUM TENSILE LOAD		WEIGHT (KG/GM)
				LOADED (CM)	UN-LOADED (CM)	SHORT-TERM NEWTONS	LONG-TERM NEWTONS	
2–60 fibers	D-XXX-LA-XY-M12NS D-XXX-LN-XY-M12NS	5	11.5	17.3	11.5	2700	800	108
			10.2	15.3	10.2			
62–72 fibers	D-XXX-LA-XY-M12NS D-XXX-LN-XY-M12NS	6	11.8	17.7	11.8	2700	800	119
			10.5	15.8	10.5			
74–96 fibers	D-XXX-LA-XY-M12NS D-XXX-LN-XY-M12NS	8	13.4	20.1	13.4	2700	800	150
			12.0	18.1	12.0			
98–120 fibers	D-XXX-LA-XY-M12NS D-XXX-LN-XY-M12NS	10	15.0	22.5	15.0	2700	800	187
			13.6	20.5	14.0			
122–144 fibers	D-XXX-LA-XY-M12NS D-XXX-LN-XY-M12NS	12	17.1	25.8	17.1	2700	800	281
			18.7	23.6	18.7			
146–216 fibers	D-XXX-LA-XY-M12NS D-XXX-LN-XY-M12NS	18	17.2	25.8	17.2	2700	800	209
			15.8	23.7	15.8			
218–288 fibers	D-XXX-LA-XY-M12NS D-XXX-LN-XY-M12NS	24	19.6	29.4	19.6	2700	800	267
			18.2	27.3	18.2			

Variables in the catalog number

XXX = Total fiber count

XY = Fiber type and grade

8W CommScope ZWP™ dispersion-unshifted

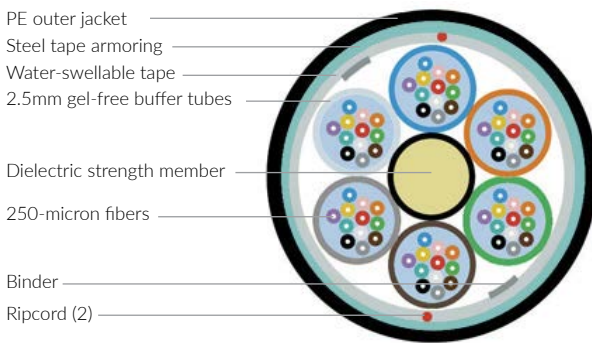
6F 62.5µm, FDDI grade multimode fiber

5M LaserCore® 150, 50µm, multimode fiber
matched-clad singlemode 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

Dry stranded loose tube cable

(72-fiber armored version shown)



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)

Specifications are subject to change without notice.

Mechanical Test specifications

Test	Requirement	Test method
Compression (armored)	250 lbf/in (44 N/mm)	FOTP-41; IEC 60794-1 E3
Compression (non-arm.)	125 lbf/in (22 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 test specifications

Test	Requirement	Test method
Cable freeze	28° F (-2° C)	FOTP-98
Drip	N/A	N/A
Heat age	-40° to +185°F (-40° to +85°C)	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-87-640-2006; Telcordia GR-20-CORE issue 3; EN 187105

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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Visit our website or contact your local CommScope representative for more information.

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