



High Performance Fiber Optic Cables for the FTTH Access Network

Europe, Middle East and Africa regions

March 2022

COMMScope®

Fiber cables from your fiber connectivity partners at CommScope

Today's ultra-competitive business environment means that regional providers must be agile, innovative, and relentlessly price competitive. With almost 40 years of experience manufacturing fiber connectivity that runs the highest-performing networks worldwide, CommScope is now offering an expanded fiber cables portfolio. To meet increasing needs for connectivity, we have invested in additional European capacity, bringing the most advanced manufacturing techniques to satisfy Europe, Middle East and Africa's demands for FTTH and 5G growth.

CommScope fiber optic cables – made in Europe, for Europe

No matter which application you're deploying – buried, aerial or blown-in-duct, our loose tube, blowable microduct, and microsheath cables are tested to meet the demanding requirements of European standards and construction. Made from high-performance, standards-compliant materials, CommScope fiber cables deliver the superior mechanical and optical performance your network needs.

How do you deploy fast networks? Leverage a trusted partner. Get what you need, when you need it with CommScope

To ensure network operators get the equipment and expertise they need, when and where they need it, CommScope Professional Services has the capability to assist with any aspect of your deployment. For example, we know that regional providers are sometimes impacted by shortages of skilled labor, and we're here to help. We're committed to forging strong partnerships with our customers. For us, delivering equipment is only the first step – it's only when our customers successfully deploy their network that we feel we've succeeded.

CommScope fiber optic cables – a perfect marriage with CommScope's connectivity products

CommScope Fiber optic cables and Connectivity products are developed to work seamless together in your next level future access network. For more info on our connectivity products please go to [visit us](#).

You need a high-performing network. Our fiber cables can help you get there.

- Made from high-performance, standards-compliant materials, for superior mechanical and optical performance
- Many available with patented LightScope ZWP® (Zero Water Peak) technology, transmitting 30% more usable spectrum than standard single-mode cable
- Outdoor cables for a wide range of application: Stranded and Central Loose Tube cables, Air Blown Fiber Cables, All-Dielectric Self-Supporting Cables. Many of those can be as well dielectric, glass reinforced as corrugated steel strengthened. Dry or gel filled tubes.
- Indoor and indoor/outdoor cables with LSZH jackets, compliant with EU CPR requirements
- Outdoor, Indoor/Outdoor and Outdoor drop cables selected as a function of local network design and regulations, some of which can be factory pre-connectorized upon request to reduce time to connect new customers.

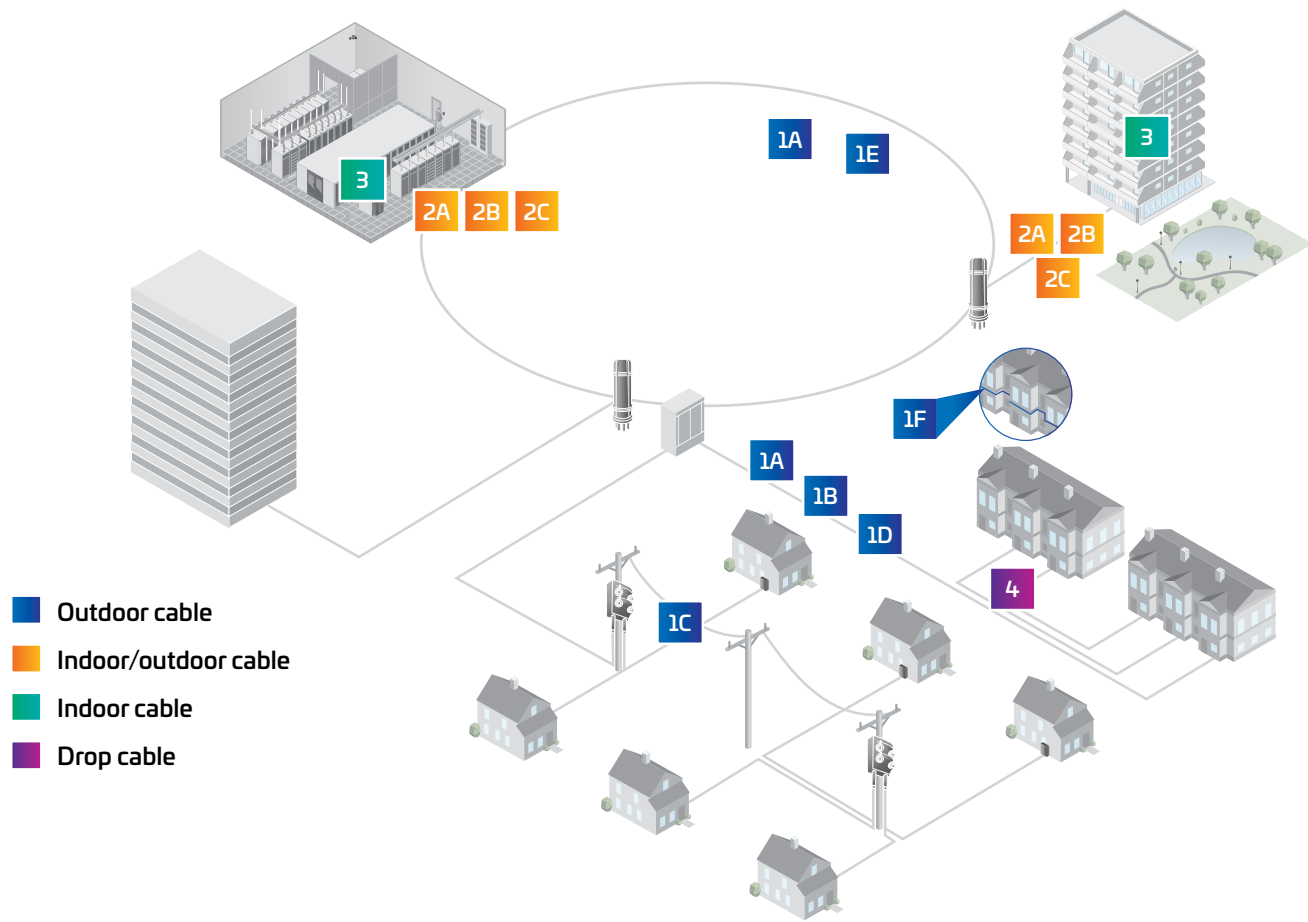
Contents

Cable Overview	4
Ordering Information chart	5
Different Fiber types	6
Outdoor Cables	7
Outdoor stranded loose tube cables	9
High tensil strength	11
Airblown micro-duct cables	11
ADSS cables	12
Outdoor central loose tube cables	13
Indoor/Outdoor Cable	15
Indoor/Outdoor Stranded Loose Tube Cables	15
Indoor/Outdoor Central Loose Tube	18
Indoor/Outdoor Distribution Cable	21
Indoor Cable	22
Drop Cables	24
Fiber cable color chart	27



Cable Overview

Cable Network Use Diagram



Click on the pictures to jump to that cable

Outdoor		
Outdoor – Stranded Loose Tube		
1A: Stranded Loose Tube	1B: Air Blown Mini Cable	1C: Aerial – ADSS
Outdoor – Central Loose Tube		
1D: Central Tube	1E: Air Blown Micro Cable	1F: Retractable and Ribbon

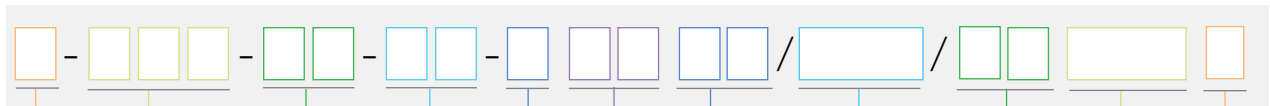
Indoor/outdoor		
2A: Stranded Loose Tube		
2B: Central Loose Tube		
2C: Distribution		

3: Indoor		
Distribution Cable (900µ)	MP Cable (250µ)	Microsheath

4: Drop		
Outdoor	Indoor/Outdoor	Indoor

Description Key

CommScope's cable descriptions allow customers to understand the major part of the cable construction with the help of the below key. This will be used throughout the rest of the document.



Cable family	
O	Outdoor Arid Core Gel-Filled Tubes
D	Outdoor Arid Core Gel-Free Tubes
B	Micro Cable for Air-Blown Installation
M	Messenger Self-Support
S	ADSS
C	In/Out Zero Halogen, CPR-only flame rated
Z	In/Out Zero Halogen, Dual listed
L	Indoor Zero Halogen, CPR-only flame rated
N	Indoor Zero Halogen, Dual listed

Fiber count	
001-999	This field specifies the total fiber count in the cable. A value of "002" means 2 fiber strands, "048" means 48 fiber strands. Valid fiber counts are: 002, 004, 006, 008, 012, 024, 036, 048, 72, 96 144, 288.

Cable construction	
LN	Stranded Loose Tube All-Dielectric
LA	Stranded Loose Tube CST Armored
CN	Central Tube All-Dielectric
CA	Central Tube Armored
DN	Drop Dielectric
RD	Retractable Dielectric
MP	Loose-tube Cordage
DS	Distribution Cable

Fiber type	
8W	G.652.D / G.657.A1
8F	G.657.A1
8G	G.657.A2
8G2	G.657.B3
RB	Matrix Flat Ribbon
RR	Rollable Ribbon

Unit of measure	
M	Marked in meters
F	Marked in Feet
X	Special print

Subunit Fiber Count	
01-24	"01" means 1 fiber per sub unit (tube).

CPR Rating	
B	Bca rated cable
C	Cca rated cable
D	Dca rated cable
E	Eca rated cable

Special Cable Construction	
HTS	High Tensile Strength
GY	Glass Yarn Strength Elements
AY	Aramid Yarns Strength Elements
GRPA	GRP Rod Dielectric Armored
NR	No Ripcord

Specialty Material jackets	
AJ	Alternative Jacket (Rodent Resistant)
HD	High Density Polyethylene
PA	Nylon Jacket

Tube Size & Type	
15G	1.5 mm Gel-Filled / B-LN cable 250µ
17T200	1.7 mm Gel-filled / B-LN cable 200µ
14	1.4 mm Gel-Free Micro sheath cable
16G	1.60 mm Gel-Filled / Other BL-N cable
25D	2.50 mm Gel-Free
20G	2.00 mm Gel-Filled
25G	2.50 mm Gel-Filled / SLT & Central Tube
40T	4.00 mm Gel-Filled / Central Tube & Drop
60T	6.0 mm Gel-filled / Central Tube & Drop

Tracer Color or Jacket Color			
NS	No Stripe	WH	White
3G	3 Green Stripes	RD	Red
BL	Blue	BK	Black
OR	Orange	YL	Yellow
GR	Green	VI	Violet
BR	Brown	RS	Rose
SL	Slate	AQ	Aqua

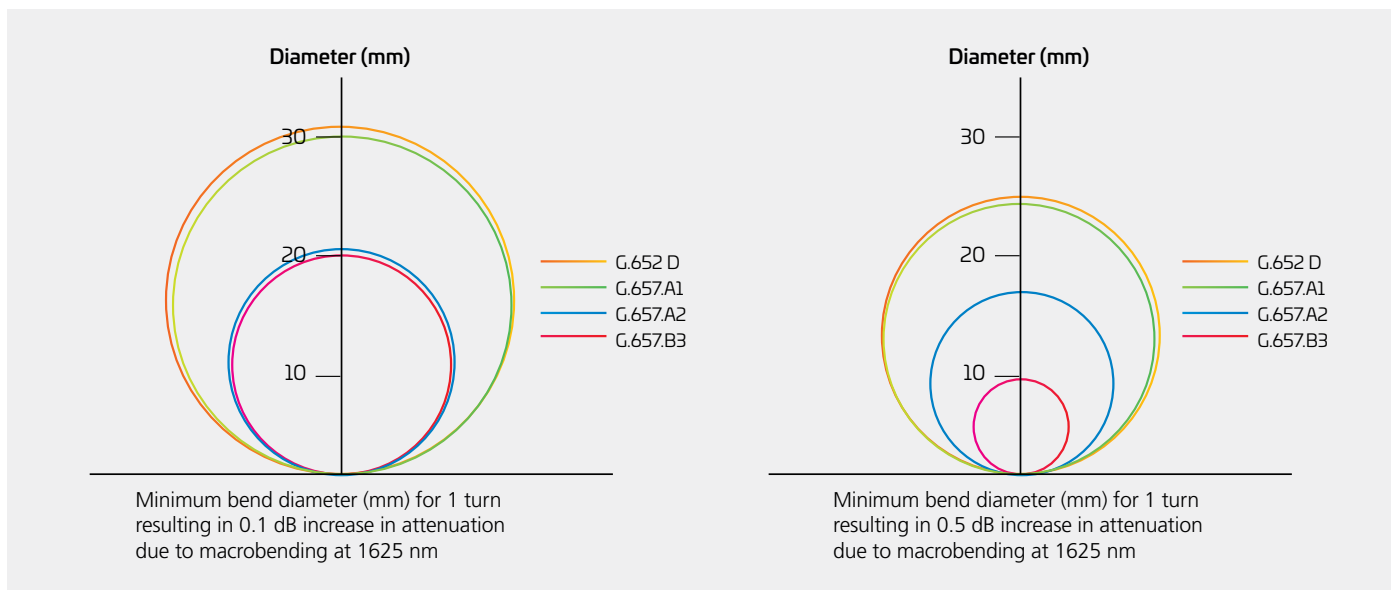


Different Fiber types

CommScope supports several fiber types depending on the specific application. The list below includes popular single mode fibers along with the suggested application.

CommScope Designation	Fiber Grade	SM - MFD @1310nm	Advantages	Suggested Application
8W	G.652.D / G.657.A1	9.2+/- 0.4µm	Most widely used fiber globally, designed to have zero dispersion, operates at 1310nm and 1550nm. Cladding diameter 125.0 ± 0.7 µm	Trunk/Feeder
8W1	G.652.D / G.657.A1 TC	9.2+/- 0.4µm	Connector grade (same as above). Cladding diameter 125.0 ± 0.3 µm	Trunk/Feeder
8F	G.657.A1	8.6µm +/- 0.4µm	Offers optimised bend properties and suited for the LAN networks Cladding diameter 125.0 ± 0.7 µm	Trunk/Feeder
8F1	G.657.A1 TC	8.6µm +/- 0.4µm	Connector grade (same as above). Cladding diameter 125.0 ± 0.3 µm	Trunk/Feeder
8G	G.657.A2	8.6µm +/- 0.4µm	Higher bend resistance for smaller jointing pits and utilized in advanced cable network installations, Compatible with G.652.D. Cladding diameter 125.0 ± 0.7 µm	Trunk/Feeder/Drop/Dist
8G1	G.657.A2 TC	8.6µm +/- 0.4µm	Connector grade (same as above). Cladding diameter 125.0 ± 0.3 µm	Drop/Distribution
8G2	G.657.B3	8.7µm +/- 0.4µm	Exceptional bend performance, Fully compatible with G.652.D. Cladding diameter 125.0 ± 0.3 µm	Drop

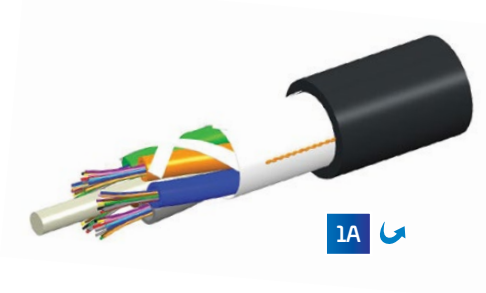
Attenuation versus Bend Radius



Outdoor Cable

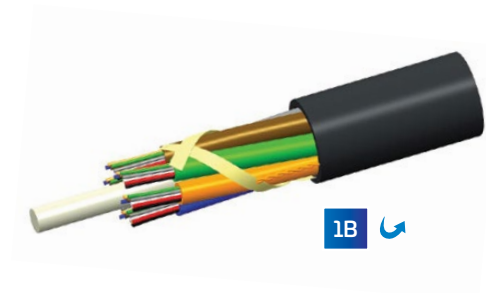
STRANDED LOOSE TUBE CABLES

Stranded loose tube fiber cables are the prominent cables of the industry. They are preferred for short and long-haul backbone applications and can be direct buried, installed in duct or aerial lashed. Stranding individual buffer tubes around a central strength member provides a cable without preferential bend. It simplifies midspan entries and enables more efficient preparation for building it into closures.



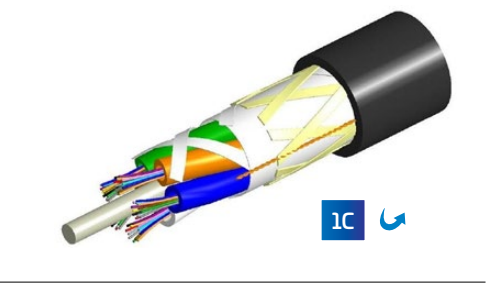
MINI CABLES FOR AIRBLOWN MICRODUCT APPLICATION

CommScope's family of cost-effective fiber-optic Mini cables is designed for air-blown installations into microducts. Microduct technology provides a cost-effective, craft-friendly way to upgrade your network, which can grow on demand by deploying fiber as needed. This technology is also common in congested areas such as metro applications, where duct space is very limited. These Stranded Loose Tube Cables are compact, lightweight and have high density. Micro-Sheath versions of these cables are available allowing easy stripping of the tubes.



AERIAL CABLE – ADSS

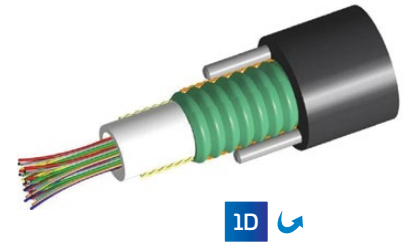
All-Dielectric Self-Supporting (ADSS) is a loose tube non-metallic fiber optic cable that is designed to be installed without the assistance of a metal strand or catenary wire. An ADSS cable uses aramid yarn and a high tensile central strength member for support. ADSS cable attaches directly to the pole or tower with the use of special attachment hardware.



Outdoor Cable

CENTRAL TUBE CABLES

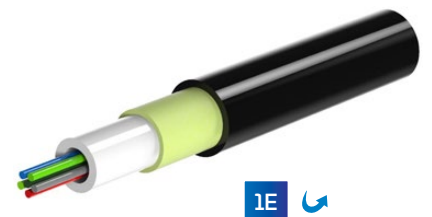
With all fibers inside a single central tube, these cables are preferred when fiber counts are low and are often used for branching applications or at the end of distribution runs. The cable has a smaller overall dimension and ensures a more efficient use of conduit space than typical stranded loose tube.



MICRO CABLES FOR AIRBLOWN MICRODUCT APPLICATION

The family of fiber-optic micro cables is designed for air-blown installations into microducts which are commonly used for drop applications. This technology allows for the blowing of drop cable to customer premises on demand. The fibers in this cable are protected by a central tube which allows the cables to be small and compact but also robust in combination with the duct.

In order to be 100% tuned for optimal blowing performance into the popular ducts 4/7 and 6/10 two dimensions with the same fiber count range from 2f to 24f were developed. One family with outer diameter 2.5 mm (24f has OD 2.8mm) and one family with outer diameter 3.9mm is available allowing perfect filling ratios for blowing in the ducts.



RIBBON CABLE

CommScope supports both matrix and rollable ribbon type constructions in the fiber cable portfolio.

Matrix ribbon fiber cables provides a high level of flexibility, cost savings and is suitable for high density applications such as central office, hyperscale data centers. The small diameter high fiber count construction enables mass fusion splicing and as a result reduces time on site with reduced installation costs.

Rollable ribbon cables provide double the density of standard matrix ribbon cables. Much higher fiber counts can be used in existing ducts along with greater flexibility for use in central offices and Enclosures. Mass fusion splicing is still possible, the cable can easily be de-ribbonised if required. Data center, central office, overhead or underfloor pathways are less congested, avoiding or postponing expensive pathway additions.



RETRACTABLE CABLES

The horizontal retractable cable is typically used in conjunction with the whole Facade Solution. Once the cable has been installed, small sections of the jacket can be easily removed, without damaging or breaking the embedded strength members in order to access the 750 µm loose strip buffers. Click below for more information on this solution.



[FACADE CABLE SOLUTION](#)

Outdoor Cable – Stranded Loose Tube

ORDERING INFORMATION



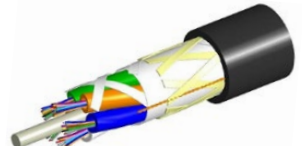
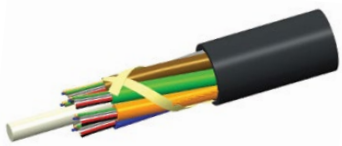
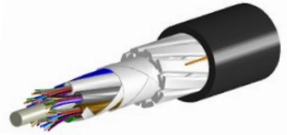


Stranded loose tube fiber cables are designed for applications such as direct buried, aerial, or conduit. The loose tube fiber cables are made with high performance materials able to withstand the harsh outside plant environments.

Available in Dry Core gel-filled or gel-free constructions, the cables have color-coded buffer tubes and can be armored and double jacketed for further protection. The standard jacket material is polyethylene, which provides a rugged, durable finish.

The Non-Armored cable is all-dielectric and contains no metallic components, hence bonding or grounding is not required

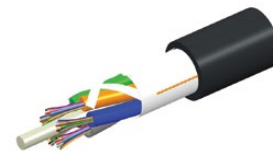
The ADSS cables are gel filled, non armoured and have been specifically designed for self supporting applications
Microduct technology provides a cost-effective, craft-friendly way to upgrade your network, which can grow on demand
For increased strength and enhanced rodent resistance in harsh environments High Tensile strength cables are offered

Overview Outdoor Stranded Loose Tube

	Armored	Non-armored	
Gel Filled	O-LA: Gel-filled, CST armored 	O-LN: Gel-filled, dielectric, non-armored 	
	Special constructions	Special constructions	
	Special constructions	S-LN: ADSS 	B-LN: Air blown Mini Cable for Microduct 
		O-LN/HTS: High Tensile Strength 	
Dry	D-LA: Dry, CST armored 	D-LN: Dry, dielectric, non-armored 	

Outdoor Cable – Stranded Loose Tube

Part Number	Description	Outer diameter (mm)	Cable construction
Outdoor Stranded Loose Tube, gel, non-armoured			
860646618/DB	O-006-LN-8W-M06NS/20G/BK	9.5	6@1
860646619/DB	O-012-LN-8W-M12NS/20G/BK	9.5	6@1
860646620/DB	O-024-LN-8W-M12NS/20G/BK	9.5	6@1
860646621/DB	O-048-LN-8W-M12NS/20G/BK	9.5	6@1
860646622/DB	O-072-LN-8W-M12NS/20G/BK	9.5	6@1
860646623/DB	O-096-LN-8W-M12NS/20G/BK	10.5	8@1
860646624/DB	O-144-LN-8W-M12NS/20G/BK	13.3	12@1



Outdoor Stranded Loose Tube, gel, armoured			
860646602/DB	O-006-LA-8W-M06NS/20G/BK	10.8	6@1
860646603/DB	O-012-LA-8W-M12NS/20G/BK	10.8	6@1
860646604/DB	O-024-LA-8W-M12NS/20G/BK	10.8	6@1
860646605/DB	O-048-LA-8W-M12NS/20G/BK	10.8	6@1
860646606/DB	O-072-LA-8W-M12NS/20G/BK	10.8	6@1
860646607/DB	O-096-LA-8W-M12NS/20G/BK	12.2	8@1
860646608/DB	O-144-LA-8W-M12NS/20G/BK	14.7	12@1



Outdoor Stranded Loose Tube, dry, non-armoured			
8107855/DB	D-004-LN-8W-M04NS	10.2	5@1
8107424/DB	D-006-LN-8W-M06NS	10.2	5@1
8107823/DB	D-008-LN-8W-M08NS	10.2	5@1
8107425/DB	D-012-LN-8W-M12NS	10.2	5@1
8107426/DB	D-024-LN-8W-M12NS	10.2	5@1
8107427/DB	D-036-LN-8W-M12NS	10.2	5@1
8107428/DB	D-048-LN-8W-M12NS	10.2	5@1
8107859/DB	D-060-LN-8W-M12NS	10.5	6@1
8107564/DB	D-072-LN-8W-M12NS	10.5	6@1
8107565/DB	D-096-LN-8W-M12NS	12	10@1
810008826/DB	D-108-LN-8W-M12NS	13.6	10@1
8108442/DB	D-132-LN-8W-M12NS	15.7	12@1
8107566/DB	D-144-LN-8W-M12NS	15.7	12@1
8108443/DB	D-168-LN-8W-M12NS	15.8	12@6
8108302/DB	D-192-LN-8W-M12NS	15.8	12@6
8107567/DB	D-288-LN-8W-M12NS	18.2	15@9
760239389	D-1728-LN-RR-F12NS/8W/99H	25.1	6@1

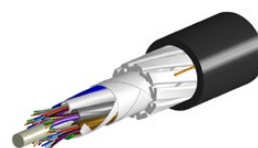


Outdoor Cable – Stranded Loose Tube

Part Number	Description	Outer diameter (mm)	Cable construction
Outdoor Stranded Loose Tube, dry, armoured			
8107558/DB	D-012-LA-8W-M12NS	11.5	5@1
8107422/DB	D-024-LA-8W-M12NS	11.5	5@1
8107423/DB	D-048-LA-8W-M12NS	11.5	5@1
8107560/DB	D-072-LA-8W-M12NS	11.8	6@1
8107561/DB	D-096-LA-8W-M12NS	13.4	8@1
8107562/DB	D-144-LA-8W-M12NS	17.1	12@1
8107563/DB	D-288-LA-8W-M12NS	19.6	15@9



Outdoor Stranded Loose Tube, gel, non-armoured, High Tensile Strength			
810009681/DB	O-006-LN-8W-M06NS/20G/HTS	11.6	6@1
810009682/DB	O-012-LN-8W-M12NS/20G/HTS	11.6	6@1
810009683/DB	O-024-LN-8W-M12NS/20G/HTS	11.6	6@1
810009684/DB	O-048-LN-8W-M12NS/20G/HTS	11.6	6@1
810009685/DB	O-072-LN-8W-M12NS/20G/HTS	11.6	6@1
810009686/DB	O-096-LN-8W-M12NS/20G/HTS	12.4	8@1
810009687/DB	O-144-LN-8W-M12NS/20G/HTS	14.8	12@1



Air Blown Mini Cable for microduct applications			
810009649/DB	B-012-LN-8W-M12NS/15G	5.1	5@1
810009650/DB	B-024-LN-8W-M12NS/15G	5.1	5@1
810009651/DB	B-036-LN-8W-M12NS/15G	5.1	5@1
810009652/DB	B-048-LN-8W-M12NS/15G	5.1	5@1
810009653/DB	B-060-LN-8W-M12NS/15G	5.1	5@1
810009654/DB	B-072-LN-8W-M12NS/15G	5.3	6@1
810009655/DB	B-096-LN-8W-M12NS/15G	6.5	8@1
810009656/DB	B-144-LN-8W-M12NS/15G	8.4	12@1
810009954/DB	B-096-LN-8F-M24NS/17T 200	6.2	6@1
810009724/DB	B-144-LN-8F-M24NS/17T 200	6.2	6@1
810009725/DB	B-192-LN-8F-M24NS/17T 200	7.5	8@1
810009726/DB	B-216-LN-8F-M24NS/17T 200	7.8	9@1
810009727/DB	B-288-LN-8F-M24NS/17T 200	9.5	12@1



Air Blown Micro-Sheath Cable Design			
810009898/DB	B-012-LN-8F-M12BK/14D	5.8	6@1
810009899/DB	B-024-LN-8F-M12BK/14D	5.8	6@1
810009900/DB	B-036-LN-8F-M12BK/14D	5.8	6@1
810009901/DB	B-048-LN-8F-M12BK/14D	5.8	6@1
810009902/DB	B-072-LN-8F-M12BK/14D	5.8	6@1
810009903/DB	B-096-LN-8F-M12BK/14D	6.9	8@1
810009904/DB	B-144-LN-8F-M12BK/14D	8.5	12@1

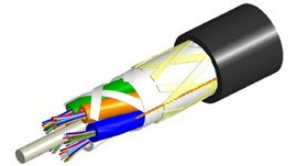


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Outdoor Cable – Stranded Loose Tube

Part Number	Description	Outer diameter (mm)	Cable construction
ADSS cables			
810009932/DB	S-012-LN-8W-M12NS/25G/S	11.3	6@1
810009933/DB	S-024-LN-8W-M12NS/25G/S	11.3	6@1
810009934/DB	S-036-LN-8W-M12NS/25G/S	11.3	6@1
810009935/DB	S-048-LN-8W-M12NS/25G/S	11.3	6@1
810009936/DB	S-060-LN-8W-M12NS/25G/S	11.3	6@1
810009937/DB	S-072-LN-8W-M12NS/25G/S	11.3	6@1
810009938/DB	S-096-LN-8W-M12NS/25G/S	12.7	8@1
810009939/DB	S-144-LN-8W-M12NS/25G/S	16.3	12@1
810009940/DB	S-216-LN-8W-M12NS/25G/S	16.5	12@6
810009941/DB	S-288-LN-8W-M12NS/25G/S	19.1	15@9



Outdoor Cable – Central Loose Tube

ORDERING INFORMATION

Central tube, or Unitube, constructions are ideal for drop cable applications and offer a robust construction for excellent protection of fiber, the corrugated steel tape is strong yet flexible.

Overview Outdoor Central Loose Tube

	Armored	Non-armored
Gel Filled	O-CA: Gel-Filled, CST Armored 	B-CN: Gel-Filled, Non-Armored Blowable Micro Cable 
	O-DA: Gel Filled, CST Armored, Drop 	
Dry		D-CN: Dry, Non-Armored Cable >144 fibers available in rollable ribbon  <p>D-xxx-CN-RB: Matrix Ribbon D-xxx-CN-RR :Rollable Ribbon</p>
		C-RD: Retractable 24f Cable for façade solutions  <p>C-024-RD-8F-M24BK-08D</p>

Outdoor Cable – Central Loose Tube

Part Number	Description	Fiber type	Fibers	Inner tube size (mm)	Outer diameter (mm)
Central tube, armoured					
810009832/DB	O-004-CA-8W-M04BK/GY/HD	8W	4	2.8	10
810009833/DB	O-006-CA-8W-M06BK/GY/HD	8W	8	2.8	10
810009834/DB	O-008-CA-8W-M08BK/GY/HD	8W	8	2.8	10
810009835/DB	O-012-CA-8W-M12BK/GY/HD	8W	12	2.8	10
810009836/DB	O-024-CA-8W-M24BK/GY/HD	8W	24	4.0	10.5

Central tube, non-armoured blowable micro cable					
810010116/DB	B-002-CN-8F-M02BK/30G	8F	2	3.0	3.9
810010117/DB	B-004-CN-8F-M04BK/30G	8F	4	3.0	3.9
810010118/DB	B-006-CN-8F-M06BK/30G	8F	6	3.0	3.9
810010119/DB	B-008-CN-8F-M08BK/30G	8F	8	3.0	3.9
810010120/DB	B-012-CN-8F-M12BK/30G	8F	12	3.0	3.9
810010121/DB	B-024-CN-8F-M24BK/30G	8F	24	3.0	3.9

Central tube, non armoured (matrix ribbon, rollable ribbon and retractable)					
810009757/DB	C-024-RD-8F-M24BK-08D	8F	24	0.75	9.2
810009758/DB	C-024-RD-8F-M24WH-08D	8F	24	0.75	9.2
760213488	D-072-CN-RB-F12NS/8W/99A	RB/8W	6*12	7.9	13.9
760213504	D-144-CN-RB-F12NS/8W/99A	RB/8W	12*12	8.9	14.9
810009429/DB	D-144-CN-RR-F12NS/8W/99G	RR/8W	12*12	6.1	10
810009430/DB	D-288-CN-RR-F12NS/8W/99G	RR/8W	24*12	8.1	12



Indoor/Outdoor Cables

Indoor/Outdoor cables are designed to be used both outdoors and enter buildings without the need of any transition point or additional splicing, with CPR EuroClass listing.

Similar cable constructions are available as for outdoor-only applications:

- Stranded Loose tube
- Central tube

The indoor/outdoor portfolio also includes tight buffered 900µ distribution cable constructions.

Indoor/Outdoor Cables – Stranded Loose Tube

ORDERING INFORMATION

CommScope Indoor/Outdoor Stranded Loose Tube cable is available in a number of constructions. The tubes can be gel-filled or dry depending on customer needs. Some versions can be CST or GRP armored as mentioned below.

The micro sheath cable is a dry, dielectric construction. For a robust cable which provides a higher tensile performance and rodent protection, the high tensile strength cables are available.

All Indoor/Outdoor cables are typically referred to as "C-" or "Z-" indicating the LSZH CPR-rated jacket of the cable. "Z-" cables have additionally been qualified for riser applications (UL1666).

Overview Indoor/Outdoor Stranded Loose Tube

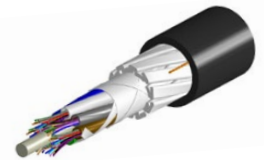
	Armored	Non-armored
Gel Filled	C-LA../G: Gel-filled, CST armored Cable 	C-LN../G: Gel-Filled, Non-Armored Cable 
	C-LA../G/GRP: Gel-Filled, GRP armored Cable 	C-LN../G/HTS: High tensile strength version 
	Z-LA: Dry CST Armored Cable 	C-LN: Dry Non-Armored Cable Z-LN: Dry Non-Armored Cable 
		C-LN/ ... /14D: Microsheath Cable 

Indoor/Outdoor Cables – Stranded Loose Tube

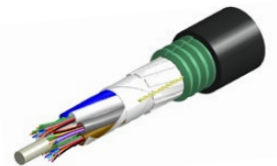
Part Number	Description	Cable Construction	Outer cable diameter (mm)	CPR rating
Indoor/Outdoor Stranded Loose Tube, gel, non-armoured				
810009759/DB	C-002-LN-8W-M02BK/20G/D	6@1	11.1	Dca,s1a,d0,a1
810009760/DB	C-004-LN-8W-M04BK/20G/D	6@1	11.1	Dca,s1a,d0,a1
810009666/DB	C-006-LN-8W-M06BK/20G/D	6@1	11	Dca,s1a,d0,a1
810009667/DB	C-012-LN-8W-M12BK/20G/D	6@1	11	Dca,s1a,d0,a1
810009668/DB	C-024-LN-8W M12BK/20G/E	6@1	11	Eca
810009669/DB	C-048-LN-8W M12BK/20G/E	6@1	11	Eca
810009670/DB	C-072-LN-8W M12BK/20G/E	6@1	11	Eca
810009671/DB	C-096-LN-8W M12BK/20G/E	12@1	14.7	Eca
810009672/DB	C-144-LN-8W M12BK/20G/E	12@1	14.7	Eca



Indoor/ Outdoor Stranded Loose Tube, gel, non-armoured, High Tensile Strength				
810009761/DB	C-002-LN-8W-M02BK/20G/HTS/D	6@1	12.8	Dca,s2,d0,a1
810009762/DB	C-004-LN-8W-M04BK/20G/HTS/D	6@1	12.8	Dca,s2,d0,a1
810009763/DB	C-006-LN-8W-M06BK/20G/HTS/D	6@1	12.8	Dca,s2,d0,a1
810009764/DB	C-008-LN-8W-M08BK/20G/HTS/D	6@1	12.8	Dca,s2,d0,a1
810009765/DB	C-012-LN-8W-M12BK/20G/HTS/D	6@1	12.8	Dca,s2,d0,a1
810009766/DB	C-024-LN-8W-M12BK/20G/HTS/D	6@1	13.6	Dca,s2,d0,a1
810009767/DB	C-036-LN-8W-M12BK/20G/HTS/D	6@1	12.8	Dca,s2,d0,a1
810009768/DB	C-048-LN-8W-M12BK/20G/HTS/D	6@1	13.6	Dca,s3,d0,a1
810009769/DB	C-072-LN-8W-M12BK/20G/HTS/D	6@1	13.6	Dca,s3,d0,a1
810009770/DB	C-096-LN-8W-M12BK/20G/HTS/D	8@1	13.6	Dca,s3,d0,a1
810009771/DB	C-144-LN-8W-M12BK/20G/HTS/D	12@1	16.1	Dca,S2,do,a1



Indoor/Outdoor Stranded Loose Tube, gel, CST armoured				
810009658/DB	C-006-LA-8W-M06BK/20G/B	6@1	12.3	B2ca,s1a,d0,a1
810009659/DB	C-012-LA-8W-M06BK/20G/B	6@1	12.3	B2ca,s1a,d0,a1
810009660/DB	C-024-LA-8W-M12BK/20G/C	6@1	12.4	Cca,s2,d2,a1
810009772/DB	C-036-LA-8W-M12BK/20G/C	6@1	12.4	Cca,s2,d2,a1
810009661/DB	C-048-LA-8W-M12BK/20G/C	6@1	12.3	Cca,s2,d2,a1
810009662/DB	C-072-LA-8W-M12BK/20G/C	6@1	12.3	Cca,s2,d2,a1
810009663/DB	C-096-LA-8W-M12BK/20G/C	12@1	16.1	Cca,s2,d2,a1
810009664/DB	C-144-LA-8W-M12BK/20G/C	12@1	16.1	Cca,s2,d2,a1

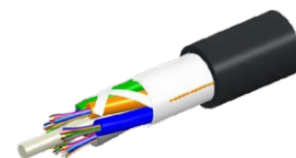


Indoor/Outdoor Stranded Loose Tube, gel, GRP-armored				
810009845/DB	C-024-LA-8W-M12NS/25G/GRP/E	4@1	15.0	Eca
810009886/DB	C-072-LA-8W-M12YL/25G/GRP	6@1	16.7	Eca

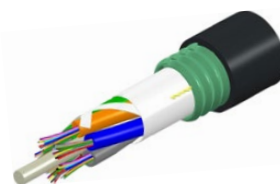


Indoor/Outdoor Cables – Stranded Loose Tube

Part Number	Description	Cable Construction	Outer cable diameter (mm)	CPR rating
Indoor/Outdoor Stranded Loose Tube, dry, non-armoured				
810009773/DB	C-012-LN-8W-M12BK/25D/B2	5@1	11.7	B2ca,s1a,d0,a1
810009774/DB	C-024-LN-8W-M12BK/25D/B2	5@1	11.7	B2ca,s1a,d0,a1
810010034/DB	C-012-LN-8W-M12BK/25D/E	5@1	11.7	Eca
810010033/DB	C-024-LN-8W-M12BK/25D/E	5@1	11.7	Eca
810010032/DB	C-036-LN-8W-M12BK/25D/E	5@1	11.7	Eca
810010031/DB	C-048-LN-8W-M12BK/25D/E	5@1	11.7	Eca
810010030/DB	C-060-LN-8W-M12BK/25D/E	5@1	11.7	Eca
810010029/DB	C-072-LN-8W-M12BK/25D/E	6@1	12	Eca
810010028/DB	C-096-LN-8W-M12BK/25D/E	8@1	13.6	Eca
810010027/DB	C-144-LN-8W-M12BK/25D/E	12@1	17.3	Eca



Indoor/Outdoor Stranded Loose Tube, dry, CST armoured				
810009782/DB	Z-006-LA-8W-M06BK/25D/C	5@1	13	Cca,s1b,d2,a1
810009783/DB	Z-012-LA-8W-M12BK/25D/C	5@1	13	Cca,s1b,d2,a1
810009784/DB	Z-024-LA-8W-M12BK/25D/C	5@1	13	Cca,s1b,d2,a1
810009785/DB	Z-036-LA-8W-M12BK/25D/C	5@1	13	Cca,s1b,d2,a1
810009786/DB	Z-048-LA-8W-M12BK/25D/C	5@1	13	Cca,s1b,d2,a1
810009787/DB	Z-072-LA-8W-M12BK/25D/C	6@1	13.4	Cca,s1b,d2,a1
810009788/DB	Z-144-LA-8W-M12BK/25D/C	8@1	18.7	Cca,s1b,d2,a1



Indoor/Outdoor Stranded Loose Tube, dry, microsheath cable				
810009789/DB	C-012-LN-8F-M12BK/14D/AY/D	6@1	6.1	Dca,s1a,d2,a1
810009790/DB	C-024-LN-8F-M12BK/14D/AY/D	6@1	6.1	Dca,s1a,d2,a1
810009791/DB	C-048-LN-8F-M12BK/14D/AY/D	6@1	6.1	Dca,s1a,d2,a1
810009792/DB	C-072-LN-8F-M12BK/14D/AY/D	6@1	6.1	Dca,s1a,d2,a1
810009793/DB	C-096-LN-8F-M12BK/14D/AY/D	8@1	6.8	Dca,s1a,d2,a1
810009794/DB	C-144-LN-8F-M12BK/14D/AY/D	12@1	8.6	Dca,s1a,d2,a1



Indoor/Outdoor Cables – Central Loose Tube

ORDERING INFORMATION

The CommScope LSZH All-Dielectric Indoor/Outdoor cables are designed to deliver the performance required for installation in indoor and outside plant environments. The central tube design, utilizing flexible radial strength elements, provides for an optimum solution for point-to-point connectivity where a small and flexible cable is desired. This cable is suitable for direct burial or aerial lashed applications in the outside plant environment. The cable can also be installed in indoor environments where local CPR requirements allow.

Overview Indoor/Outdoor Central Loose Tube

		Armored	Non-armored
Gel Filled		C-CA: Gel filled, CST armored 	C-CN../..G: Gel filled, non-armored 
		C-DA: Gel filled, CST armored low fiber count drop cables 	C-DN: Gel filled, non armored, low fiber count drop cables 
		C-CA/ .. GRP: Indoor/Outdoor Central Tube, gel, GRP-armored 	
Dry			C-CN: Dry, Non-Armored Cable 
			Z-CN-RR: High Fiber count Rollable Ribbon Cables 

Indoor/Outdoor Cables – Central Loose Tube

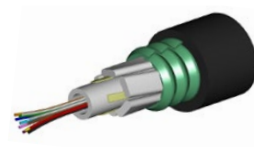
Part Number	Description	Fiber type	Fibers	Inner tube size (mm)	Outer diameter (mm)	CPR rating
Indoor/ Outdoor Central Loose tube, dry, non armoured						
810009850/DB	C-004-CN-8W-M04NS/28D/GY/YL	8W	4	2.8	6.4	Dca,s2,d2,a1
810009851/DB	C-006-CN-8W-M06YL/28D/GY/D	8W	6	2.8	6.4	Dca,s2,d2,a1
810009852/DB	C-006-CN-8W-M06YL/28D/AY/D	8W	6	2.8	6.4	Dca,s2,d2,a1
810009853/DB	C-008-CN-8W-M08YL/28D/AY/D	8W	8	2.8	6.4	Dca,s2,d2,a1
810009854/DB	C-012-CN-8W-M12YL/28D/GY/D	8W	12	2.8	6.4	Dca,s2,d2,a1
810009855/DB	C-012-CN-8W-M12YL/28D/AY/D	8W	12	2.8	6.4	Dca,s2,d2,a1
810009856/DB	C-016-CN-8W-M16YL/40D/GY/E	8W	16	2.8	8	Eca
760245231	Z-192-CN-RR-F12BK/8G1/99G/C	RR/8G1	16*12	8.1	12.5	Cca,s1a,d0,a1
760241989	Z-288-CN-RR-F12BK/8F/99G/C	RR/8F	24*12	8.1	12.5	Cca,s1a,d0,a1
760239023	Z-432-CN-RR-F12BK/8G/99G/C	RR/8G	36*12	10.4	15.5	Cca,s1a,d0,a1
760241991	Z-576-CN-RR-F12BK/8F/99G/C	RR/8F	48*12	12.0	17	Cca,s1b,d0,a1
760246294	Z-576-CN-RR-F12BK/8G1/99G/C	RR/8G	48*12	12.0	17.0	Cca,s1b,d0,a1
760241349	Z-864-CN-RR-F12BK/8W/99G/C	RR/8W	72*12	14.0	19.5	Cca,s1b,d0,a1

Indoor/ Outdoor Central Loose tube, gel, non armoured						
810009857/DB	C-004-CN-8W-M04NS/28G/GY/YL	8W	4	2.8	6.4	Eca
810009858/DB	C-006-DN-8W-M06YL/28G/GY/E	8W	6	2.8	6.4	Eca
810009859/DB	C-012-CN-8W-M12YL/28G/GY/E	8W	12	2.8	6.4	Eca
810009860/DB	C-006-DN-8W-M06YL/28G/AY/D	8W	6	2.8	6.4	Dca
810009861/DB	C-008-DN-8W-M08YL/28G/AY/D	8W	8	2.8	6.4	Dca
810009862/DB	C-012-DN-8W-M12YL/28G/AY/E	8W	12	2.8	6.4	Eca
810009795/DB	C-004-CN-8F-M04NS/20G/BK	8F	4	2.0	5.05	not CPR tested
810009863/DB	C-024-CN-8W-M24NS/40G/AY/YL	8W	24	4.0	7.5	Eca
810009865/DB	C-024-CN-8W-M24YL/GY/40G/D	8W	24	4.0	8.0	Dca,s2,d2,a1



Indoor/Outdoor Cables – Central Loose Tube

Part Number	Description	Fiber type	Fibers	Inner tube size (mm)	Outer diameter (mm)	CPR rating
Indoor/Outdoor Central Loose Tube, gel, armoured						
810009866/DB	C-004-CA-8W-M04BK/GY	8W	4	2.8	10	LSZH
810009867/DB	C-008-CA-8W-M08BK/GY	8W	8	2.8	10	LSZH
810009868/DB	C-012-CA-8W-M12BK/GY	8W	12	2.8	10	LSZH
810009869/DB	C-024-CA-8W-M24BK/GY	8W	24	4.0	10.5	LSZH
Indoor/Outdoor Central Tube, gel, GRP-armored						
810009841/DB	C-004-CA-8W-M04YL/28G/GRP/D	8W	12	2.5	9	Dca,s2,d2,a1
810009842/DB	C-006-CA-8W-M06YL/28G/GRP/D	8W	12	2.5	9	Dca,s2,d2,a1
810009843/DB	C-008-CA-8W-M08YL/28G/GRP/D	8W	12	2.5	9	Dca,s2,d2,a1
810009844/DB	C-012-CA-8W-M12YL/28G/GRP/D	8W	12	2.5	9	Dca,s2,d2,a1
810009878/DB	C-016-CA-8W-M16YL/40G/GRP/E	8W	16	4	11	Eca
810009879/DB	C-024-CA-8W-M24BK/40G/GRP/E	8W	24	4	15	Eca

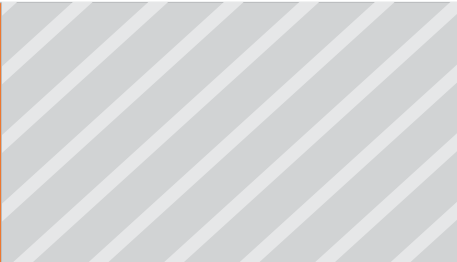
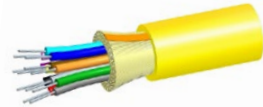
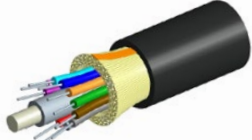


Indoor/Outdoor Cables – Distribution Cable

ORDERING INFORMATION

CommScope also has Indoor/Outdoor Distribution cable in its portfolio. The inner fibers are 900µ tight buffer tube.

Overview Indoor/Outdoor tight buffered distribution

	Armored	Non-armored
Gel Filled		
Dry		C-DS: Distribution cable with 900µ
		 

Part Number	Description	Fiber type	Buffer size	Outer cable diameter (mm)	CPR rating
Indoor/Outdoor Central Loose Tube, gel, armored					
810009880/DB	C-002-DS-8W-MSUYL/GY/C	8W	900µ tight	5.2	Cca,s2,d1,a1
810009881/DB	C-006-DS-8W-MSUYL/GY/C	8W	900µ tight	6.4	Cca,s2,d1,a1
810009882/DB	C-012-DS-8W-MSUYL/GY/C	8W	900µ tight	8.0	Cca,s2,d1,a1
810009883/DB	C-024-DS-8W-MSUYL/GY/C	8W	900µ tight	9.5	Cca,s2,d1,a1



Indoor Cables

ORDERING INFORMATION


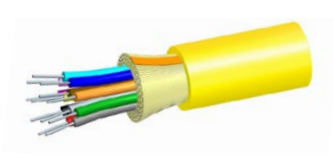

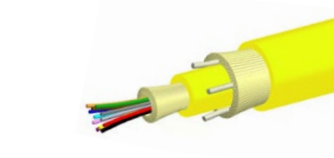





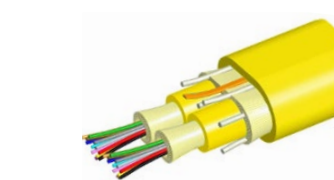
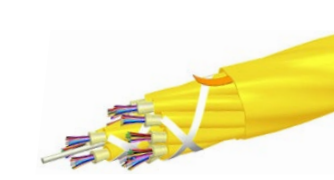
The cables detailed below are a small selection of a vast range of available indoor cables which may be positioned for Service Providers or Central Office applications. Please do not hesitate to reach out to your sales contact for other options.

Three cable constructions were selected:

- Indoor, 900µ tight buffer distribution cables
- LSZH MPO Trunk Cable with 12 subunits
- Gel-Free, Indoor Micro Sheath tube Cable

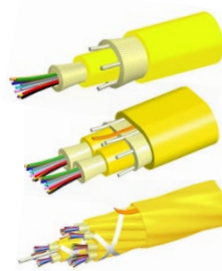
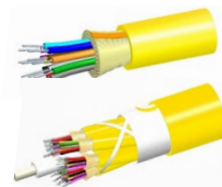
[VIEW BROCHURE](#)

Overview Indoor Cable for Service Providers/Central Office

900µ distribution Cable	MPO Trunk Cable with 12f subunits	Micro-sheath cable
<p>N-DS: Distribution Cable</p> <p>N-004...024-DS (Up to 24f individual 900µ single fiber units) </p> 	<p>N-MP: LSZH MPO Trunk Cable</p> <p>N-012-MP: Single Unit Cable of 12 fiber subunit 250µ </p> 	<p>L-LN/.../14D: Single Jacket All-Dielectric, Gel-Free, Indoor Microsheath Tube Cable </p> 
<p>N-048...072-DS (Up to 72f bundled in subunits of 12 900µ fibers) </p> 	<p>N-024...144-MP: Multi-unit fiber cables with 250µ fiber subunits </p> 	
		

Indoor Cables

Part Number	Description	250μ /900μ	Buffer tube/ Subunit Diam	Cable construction	Outer cable diameter (mm)	CPR rating
Indoor 900μ distribution cable, dry						
810009796/DB	N-004-DS-8W-MSUYL/B2	900μ	NA	Single Unit	4.8	B2ca,s1a,d1,a1
810009955/DB	N-012-DS-8W-MSUYL/B2	900μ	NA	Single Unit	6.1	B2ca,s1a,d1,a1
810009798/DB	N-024-DS-8W-MSUYL/B2	900μ	NA	Single Unit	8.8	B2ca,s1a,d1,a1
810009799/DB	N-048-DS-8W-MMUYL/C	900μ	6.07	4@1	16.2	Cca,s1b,d1,a1
810009800/DB	N-072-DS-8W-MMUYL/C	900μ	6.07	6@1	20.0	Cca,s1b,d1,a1
Indoor MP cable, dry						
810009801/DB	N-012-MP-8G-M12YL/D	250μ	3.0	MP	5.4	Dca,s1a,d1,a1
810009802/DB	N-024-MP-8G-M12YL/D	250μ	3.0	MP	5.2 X 8.2	Dca,s1a,d1,a1
810009803/DB	N-048-MP-8G-M12YL/D	250μ	3.0	MP	9.2	Dca,s1a,d1,a1
810009804/DB	N-072-MP-8G-M12YL/D	250μ	3.0	MP	10.75	Dca,s1a,d1,a1
810009805/DB	N-096-MP-8G-M12YL/D	250μ	3.0	MP	12.45	Dca,s1a,d1,a1
810009806/DB	N-144-MP-8G-M12YL/D	250μ	3.0	MP	14.2	Dca,s1a,d1,a1
Indoor Loose Tube, dry, Microsheath						
810009807/DB	L-012-LN-8F-M12YL/14D/GY/C	250μ	1.4	4@1	6.6	Cca,s1a,d0,a2
810009808/DB	L-024-LN-8F-M12YL/14D/GY/C	250μ	1.4	4@1	6.6	Cca,s1a,d0,a2
810009809/DB	L-048-LN-8F-M12YL/14D/GY/C	250μ	1.4	4@1	6.6	Cca,s1a,d0,a1
810009810/DB	L-072-LN-8F-M12YL/14D/GY/C	250μ	1.4	6@1	7.5	Cca,s1a,d0,a1
810009811/DB	L-096-LN-8F-M12YL/14D/GY/C	250μ	1.4	8@1	8.4	Cca,s1a,d0,a1
810009812/DB	L-144-LN-8F-M12YL/14D/GY/C	250μ	1.4	12@1	10.2	Cca,s1a,d0,a1



Drop Cables

Fiber drop cables are typically used between the fiber terminal and the building or home. A range of cable types are available for various indoor, indoor/outdoor or outdoor applications. Fiber drop cables constructions are available with either central or multi loose tube, depending on fiber count.

There is a hybrid fiber copper solution in the portfolio and dual jacket cables having an easy strippable outdoor jacket extruded over a CPR rated indoor jacket. Jackets can be supported in black, white or grey which may suit local requirements. The drop cables are available pre-connectorized in various lengths which provide ease of connectivity with other CommScope products. Please click on the link below for more information.

[CONNECTORIZED DROP CABLES BROCHURE](#)

Drop cables – Constructions for outdoor applications

	O-002-CN-8F-M02BK/28D/HD	O-008-LN-8W-M02BK/15G/AY/LD
Outdoor		

Part Number	Description	Number of fiber X Fiber type / Buffer	Diameter in mm			Material				
			Tube	Inner jacket	Outer jacket	Tube water blocking	Construction	Color	Jacket material and CPR rating	
Outdoor Drop Cables										
810009829/DB	O-002-CN-8F-M02BK/28D/HD	2 X 8F / 250µ	2.8	NA	5.3	Dry	Central Tube	Black	NA	
810009822/DB	O-008-LN-8W-M02BK/15G/AY/LD	8 X 8W / 250µ	1.5	NA	7.3	Gel	6@1	Black	NA	



Drop cables – Constructions for indoor/outdoor applications

Drop cables – Constructions for indoor/outdoor usage

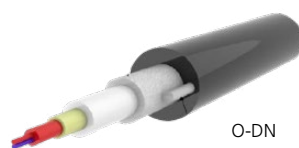
Two families of Indoor/Outdoor drop cables are available:

The first family consists of a series of dual jacket drop cables with an easy strippable HDPE outer jacket and an inner LSZH subunit, used solely indoors. The second family consist of LSZH outer jacket constuctions that have been specifically developed for example to provide connectivity from the distribution point to the wall-outlet in the house.

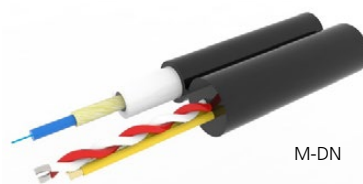
Part Number	Description	Number of fiber X Fiber type / Buffer	Diameter in mm			Material			
			Tube	Inner jacket	Outer jacket	Tube water blocking	Construction	Color	Jacket material and CPR rating



Drop cables for Indoor/Outdoor single jacket Drop									
810009884/DB	C-001-DN-8G-M01BK/20G/V6/D	1 X 8G / 900μ	2.0	NA	5.05	Gel	Central Tube	Black	Dca,s1,d0,a1
810009824/DB	C-001-DN-8G-M01WH/20G/V6/D	1 X 8G / 900μ	2.0	NA	5.05	Gel	Central Tube	White	Dca,s1,d0,a1
810009825/DB	C-001-DN-8G-M01BK/15G/V6/D	1 X 8G / 250μ	1.5	NA	4.5	Gel	Central Tube	Black	Dca,s2,d1,a2
810009826/DB	C-001-DN-8G-M01WH/15G/V6/D	1 X 8G / 250μ	1.5	NA	4.5	Gel	Central Tube	White	Dca,s2,d1,a2
810009821/DB	C-008-CN-8W-M08BK/32G/AY/D	8 X 8W /250μ	3.2	NA	7.0	Gel	Central Tube	Black	Dca



Drop cables for Indoor/Outdoor dual jacket Drop									
810009819/DB	D-001-DD-8G-M01BK/GY/20/AY/C	1 X 8G / 900μ	5.0	2.0	5.0	Dry	Central Tube	Black	HDPE / Cca,s1a,d0,a1
810009820/DB	D-002-DD-8G-M02BK/GY/20/AY/D	2 X 250μ 8G2 inside 1 X 900μ	5.0	2.0	5.0	Dry	Central Tube	Black	HDPE / Dca,s1a,d0,a1



Drop cables for Indoor/Outdoor hybrid (Cu &Fo) Drop with dual jacket for fiber									
810009823/DB	M-001-DN-8G2-HY-MSPBK	1 X 8G2 / 900μ	3.0	3.0	9.6X5.2	Dry	Figure-8	Black	



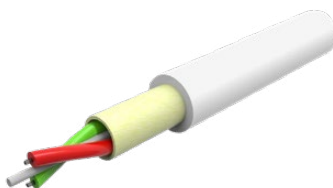
Drop cables for Indoor/outdoor UG Drop, gas blocked									
810009828/DB	C-001-DN-8G2-M01BK/AY/SP30/D	1 X 8G2 / 900μ		3.0	5.0	Dry	Drop	Black	



Drop Cable Constructions for Indoor applications

For Outdoor only applications following construction is available:

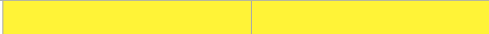
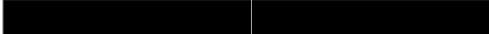

Part Number	Description	Number of fiber X Fiber type / Buffer	Outer cable diameter (mm)	Construction	Color	Jacket material and CPR rating
Indoor Drop Cables						
810009827/DB	L-002-DN-8F1-M01WH/AY/DU09/D	2 X 8F1 / 900μ	4.0	Central Tube	White	ULSZH / Dca,s1a,d0,a1
810009885/DB	L-002-DN-8G-M01YL/AY/DU09/D	2 X 8G / 900μ	4.0	Central Tube	Yellow	ULSZH / Dca,s1a,d0,a1



Fiber Cable Color Chart

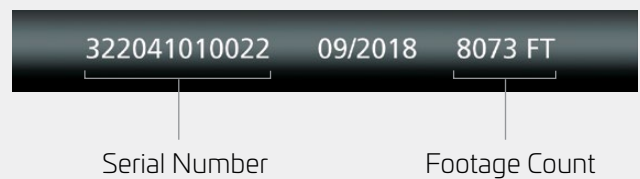
OPTICAL FIBER COLOR CODE - TIA/EIA 598	
Fiber 1	Blue
Fiber 2	Orange
Fiber 3	Green
Fiber 4	Brown
Fiber 5	Slate
Fiber 6	White
Fiber 7	Red
Fiber 8	Black
Fiber 9	Yellow
Fiber 10	Violet
Fiber 11	Rose
Fiber 12	Aqua

For other color options contact your sales representative.

FIBER CABLE JACKET COLOR CODE			
Application	Fiber Type	Jacket Color	
Indoor	Singlemode LightScope ZWP	Yellow	
Indoor/Outdoor - with UV protection	All	Black	
Outdoor (OSP) - with UV protection	All	Black	

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