



# High Performance Fiber Optic Cables for the FTTH Access Network

**Europe, Middle East and Africa regions**

May 2025

# 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 for lowest Carbon footprint

No matter which application you're deploying – buried, aerial or blown-in-duct, our loose tube, blowable microduct, and microsheat 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. CommScope produces these cables in Europe for Europe to the highest sustainability targets and with the lowest carbon footprint.

## 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.
- 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 and 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.

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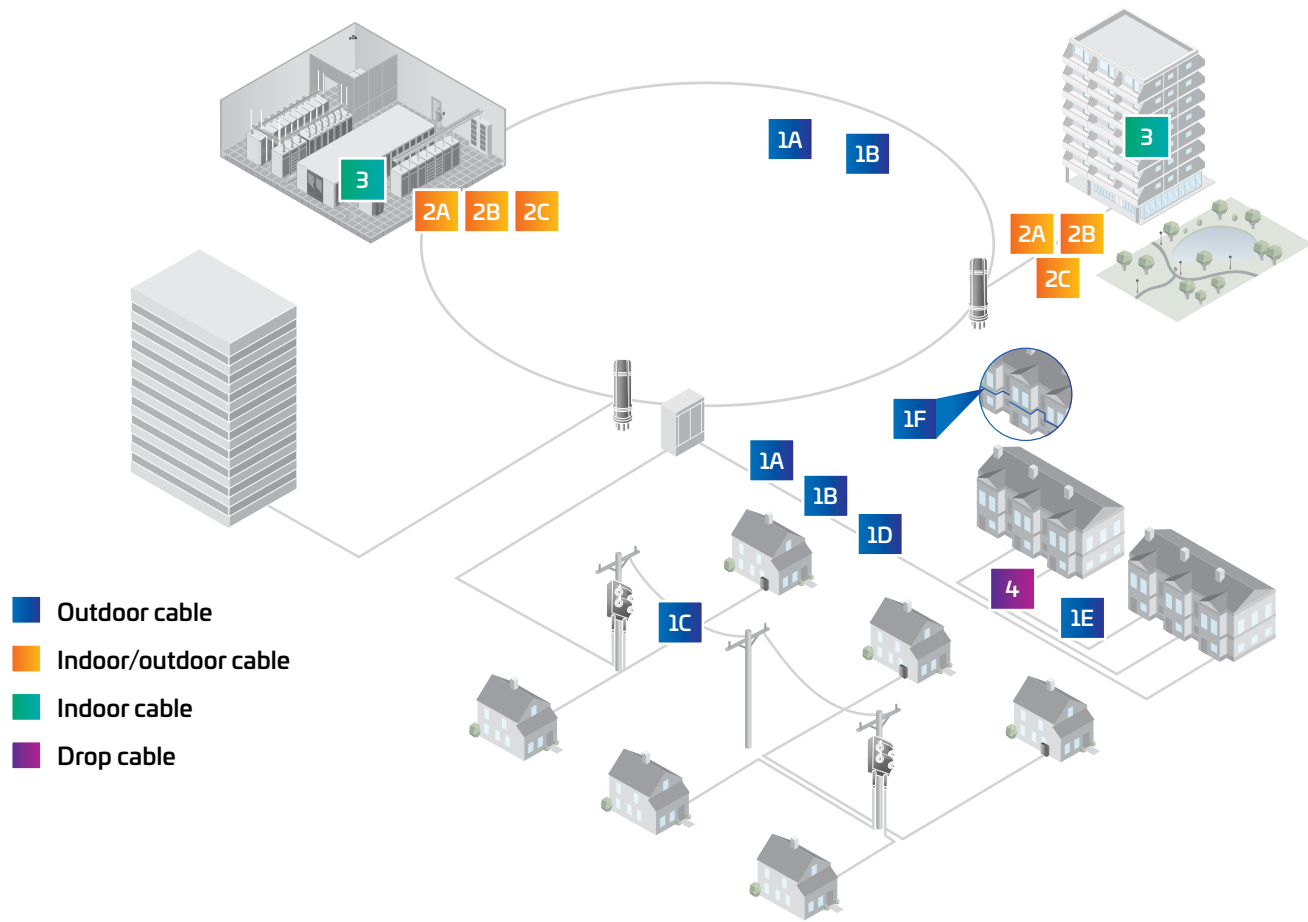
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# Cable Overview

## 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	
14G	1.4mm Gel-Filled / B-LN cable 250µ
14G 200	1.4mm Gel-Filled / B-LN cable 200µ
15G	1.5 mm Gel-Filled / B-LN cable 250µ
17T200	1.7 mm Gel-filled / B-LN cable 200µ
14D	1.4 mm Gel-Free Microsheath 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

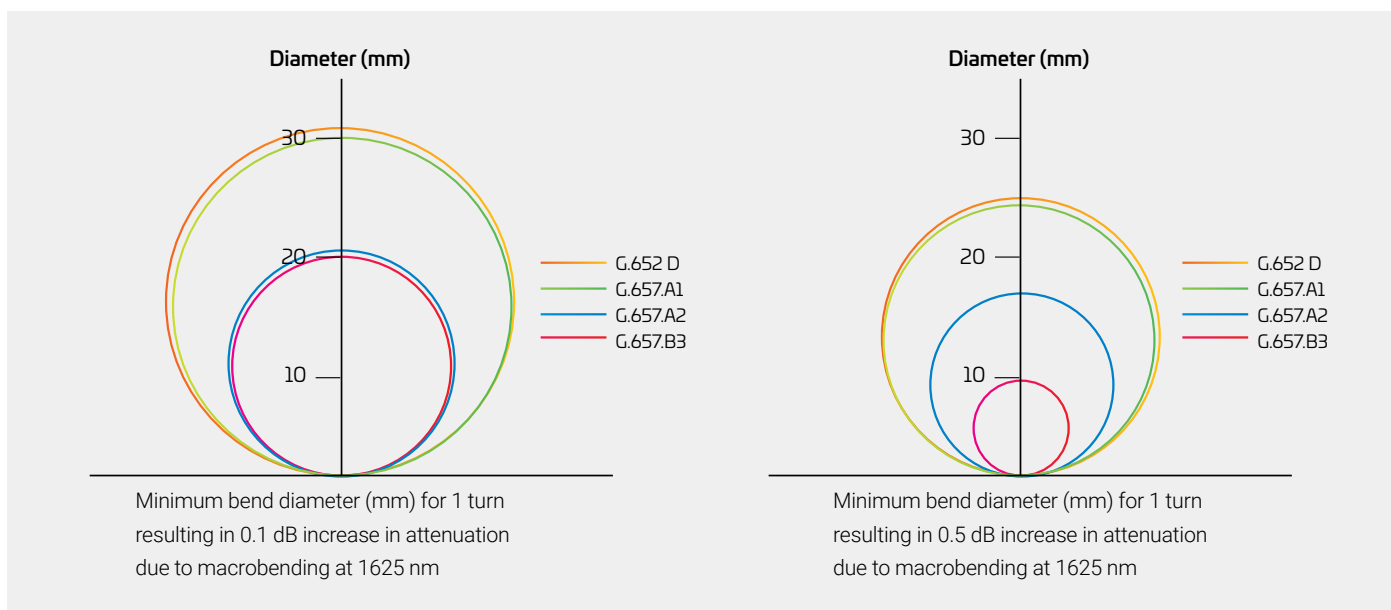
Tracer Color or Jacket Color			
NS	No Stripe	WH	White
3G	3 Green Stripes	RD	Red
BL	Blue	BK	Black
OR	Orange	YL	Yellow
GR	Green	VI	Violet
BR	Brown	RS	Rose
SL	Slate	AQ	Aqua

# 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
<b>8W</b>	<b>G.652.D / G.657.A1</b>	9.2µm +/- 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
<b>8W1</b>	<b>G.652.D / G.657.A1 TC</b>	9.2µm +/- 0.4µm	Connector grade (same as above). Cladding diameter 125.0 ± 0.3 µm	Trunk/Feeder
<b>8F</b>	<b>G.657.A1</b>	8.6µm +/- 0.4µm	Offers optimised bend properties and suited for the LAN networks. Cladding diameter 125.0 ± 0.7 µm	Trunk/Feeder
<b>8F1</b>	<b>G.657.A1 TC</b>	8.6µm +/- 0.4µm	Connector grade (same as above). Cladding diameter 125.0 ± 0.3 µm	Trunk/Feeder
<b>8G</b>	<b>G.657.A2</b>	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/Distribution
<b>8G1</b>	<b>G.657.A2 TC</b>	8.6µm +/- 0.4µm	Connector grade (same as above). Cladding diameter 125.0 ± 0.3 µm	Drop/Distribution
<b>8G2</b>	<b>G.657.B3</b>	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



# 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.

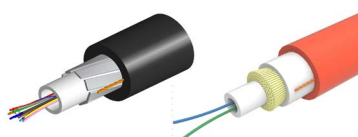
The portfolio also contains dual jacket cables with an easy strippable outdoor jacket extruded over a CPR rated indoor jacket. Jackets can be supported in black, white or grey which may suit local requirements. The drop cables are available in various pre-connectorized lengths, providing ease of connectivity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

[CONNECTORIZED DROP CABLES BROCHURE](#)

## Drop cables – constructions for outdoor applications

	Outdoor Non-Armored, Gel Filled, Drop Cable	Outdoor Non-Armored, Dry Drop Cable		Dual Jacket Outdoor Drop Cable
Outdoor	O-00x-CN-8F-M06BK/28G/HD	D-00x-DN-8G-M01BK/AY	C-00x-DN-8G-M01BK/09/AY/C	D-00x-DD-8G-M02BK/AY/24/xx/D
				

Part Number	Description	Technical aspects							
		Fiber Count/Fiber Type/Shape Style	Outer Tube	Inner jacket	Buffer	Tube Water Blocking	CPR Rating	Reinforcement	Jacket Color
<b>Outdoor Non-Armored, gel filled, drop cable</b>									
<a href="#">810009829/DB</a>	O-002-CN-8W-M02BK/28G/HD	2 / G652D / G657A1 Round	5.3	2.8	250µ	Gel	None	Glass Yarns	BK
<a href="#">810009930/DB</a>	O-002-CN-8W-M02OR/28G/GY/AY	2 / G652D / G657A1 Round	5	2.8	250µ	Gel	None	Glass & Aramid	OR
<a href="#">810009998/DB</a>	O-006-CN-8W-M06BK/28G/HD	6 / G652D / G657A1 Round	5.3	2.8	250µ	Gel	None	Glass Yarns	BK
<a href="#">810009999/DB</a>	O-008-CN-8W-M08BK/28G/HD	8 / G652D / G657A1 Round	5.3	2.8	250µ	Gel	None	Glass Yarns	BK



O-00x-CN-8F-M06BK/28G/HD



## Drop cables – constructions for outdoor applications

Part Number	Description	Technical aspects							
		Fiber Count/Fiber Type/Shape Style	Outer Tube	Inner jacket	Buffer	Tube Water Blocking	CPR Rating	Reinforcement	Jacket Color
<b>Outdoor Non-Armoured, Dry drop cable</b>									
<b>810010475/DB</b>	D-001-DN-8G-M01BK/AY	1 / G657.A2 / Round	5	0.9	250μ	Dry	None	Aramid & 2x GRP	BK
<b>810010476/DB</b>	D-004-DN-8G-M04BK/AY	4 / G657.A2 / Round	5	1.1	250μ	Dry	None	Aramid & 2x GRP	BK
<b>810010477/DB</b>	D-012-DN-8G-M12BK/AY	12 / G657.A2 / Round	5	1.45	250μ	Dry	None	Aramid & 2x GRP	BK
<b>810010478/DB</b>	C-001-DN-8G-M01BK/09/AY/C	1 / G657.A2 / Round	3	0.9	900μ	Dry	Cca,s1a,d0,a2	Aramid	BK
<b>810010479/DB</b>	C-001-DN-8G-M01WH/09/AY/C	1 / G657.A2 / Round	3	0.9	900μ	Dry	Cca,s1a,d0,a2	Aramid	WH
<b>810010480/DB</b>	C-001-DN-8G-M01BR/09/AY/C	1 / G657.A2 / Round	3	0.9	900μ	Dry	Cca,s1a,d0,a2	Aramid	BR



D-00x-DN-8G-M01BK/AY



C-001-DN-8G-M01xx/09/AY/C

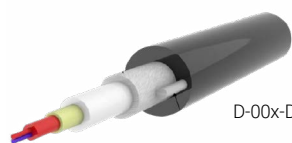
Both cable types available in a cardboard reel-in-a-box packing solution

# Drop cables – constructions for indoor/outdoor applications

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 construction that have been specifically developed to provide connectivity from the distribution point to the wall-outlet in the house.

Part Number	Description	Technical aspects							
		Fiber Count/Fiber type/Shape style	Outer Tube	Inner jacket	Buffer	Tube water blocking	CPR Rating	Reinforcement	Jacket Color
<b>Dual Jacket Outdoor Drop Cable</b>									
<b>810009819/DB</b>	D-001-DD-8G-M01BK/GY/20/AY/C	1 / G657.A2 / Dual Jacket, Round	5.0	2.0	900µ	Dry	"Inner cable: Cca, s1a,d0, a1"	Glass & Aramid Yarns & 2 X GRP	BK
<b>810009820/DB</b>	D-002-DD-8G-M02BK/GY/20/AY/D	2 / G657.A2 / Dual Jacket, Round	5.0	2.0	900µ	Dry	"Inner Cable : Dca"	Glass & Aramid Yarns & 2 X GRP	BK
<b>810010000/DB</b>	D-004-DD-8F-M04BK/GY/20/AY/D-DE00	4 / G657.A1 / Dual Jacket, Round	5.0	2.0	900µ	Get	"Inner Cable: Dca, s1a, d0, a1"	Glass & Aramid Yarns & 2 X GRP	BK
<b>810010313/DB</b>	D-001-DD-8G-M02BK/AY/24/AY/D-1000-FR00	1 / G657.A2 / Dual Jacket, Round	5.0	2.0	900µ	Dry	"Inner Cable : Cca,s1a,d0,a1"	Aramid Yarns & 2 X GRP	BK
<b>810010173/DB</b>	D-002-DD-8G-M02BK/AY/24/AY/D-0500-FR00	2 / G657.A2 / Dual Jacket, Round	5.0	2.0	900µ	Dry	"Inner Cable : Cca,s1a,d0,a1"	Aramid Yarns & 2 X GRP	BK
<b>810010174/DB</b>	D-002-DD-8G-M02BK/AY/24/AY/D-1000-FR00	2 / G657.A2 / Dual Jacket, Round	5.0	2.0	900µ	Dry	"Inner Cable: Dca, s1a, d0, a1"	Aramid Yarns & 2 X GRP	BK



D-00x-DD-8G-M02BK/AY/24/xx/D



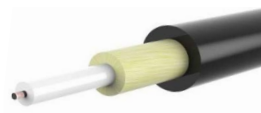
	3.0 and 3.4 mm Drop Cables with 2000N Breaking Strength	5.05 mm Standard I/O Drop Cable	4.5 mm Standard I/O Drop Cable	Gas Blocked I/O Drop Cable
<b>Indoor / Outdoor</b>				

Cable types are available in a cardboard reel-in-a-box packing solution



# Drop cables – constructions for indoor/outdoor applications

Part Number	Description	Technical aspects							
		Fiber Count/Fiber Type/Shape Style	Outer Tube	Inner jacket	Buffer	Tube Water Blocking	CPR Rating	Reinforcement	Jacket Color
<b>3.0 and 3.4 mm drop cables with 2000N breaking strength</b>									
<a href="#">810010113/DB</a>	C-001-DN-8G1-M01BK/30D/D-UK00	1 / G657.A2 / Round	3	0.9	900μ	Dry	Dca, s1a, d0, a1	Aramid Yarns	BK
<a href="#">810010114/DB</a>	C-001-DN-8G1-M01BK/34D/D-UK00	1 / G657.A2 / Round	3.4	0.9	900μ	Dry	Dca, s1a, d1, a2	Aramid Yarns	BK



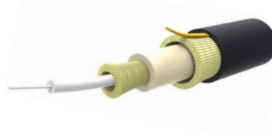
<b>5.05 mm Standard I/O Drop Cable</b>									
<a href="#">760253044</a>	C-001-DN-8G-M01BK/20G/V7/D	1 / G657.A2 / Round	5	2	700μ	Gel	Dca, s2, d1, a1	Glass & Aramid Yarns	BK
<a href="#">810009884/DB</a>	C-001-DN-8G-M01BK/20G/V6/D	1 / G657.A2 / Round	5	2	900μ	Gel	Dca, s1, d0, a1	Glass & Aramid Yarns	BK



<b>4.5 mm Standard I/O Drop Cable</b>									
<a href="#">810009825/DB</a>	C-001-DN-8G-M01BK/15G/V6/D	1 / G657.A2 / Round	4.5	1.5	250μ	Gel	Dca, s1a, d1, a1	Glass & Aramid Yarns	BK
<a href="#">810009826/DB</a>	C-001-DN-8G-M01WH/15G/V6/D	1 / G657.A2 / Round	4.5	1.5	250μ	Gel	Dca, s1a, d1, a1	Glass & Aramid Yarns	WH
<a href="#">810010141/DB</a>	C-002-DN-8G-M02BK/15G/V6/D	2 / G657.A2 / Round	4.5	1.5	250μ	Gel	Dca, s1a, d1, a1	Glass & Aramid Yarns	BK



<b>Gas Blocked I/O Drop Cable</b>									
<a href="#">810009828/DB</a>	C-001-DN-8G2-M01BK/AY/SP30/C	1 / G657.A2 / Dual, Round	5	3	900μ	Dry	"Cca, s1a,d0,a1 (inner only)"	Aramid Yarns	BK

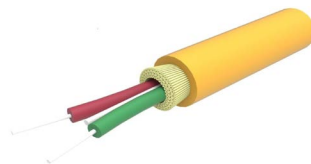


# Drop Cable – constructions for Indoor applications

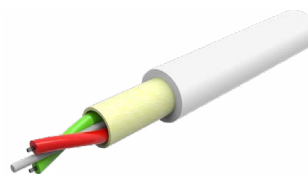
Several types of indoor drop cables are available with CPR ratings going from Dca to B2ca depending the customer specific requirements.



Part Number	Description	Technical aspects							
		Fiber Count/Fiber Type/Shape Style	Outer Tube	Inner jacket	Buffer	Tube Water Blocking	CPR Rating	Reinforcement	Jacket Color
<b>Indoor drop 2X900μ</b>									
<b>2160164-1</b>	L-002-DN-8F-M01WH/AY/D	2 / G657.A1 / Round	4.0	0.9	900μ	Dry	Dca, s1a, d0, a1	Aramid Yarns	WT
<b>810009885/DB</b>	L-002-DN-8G-M01YL/AY/DU09/D	2 / G657.A2 / Round	4.0	0.9	900μ	Dry	Dca, s1a, d0, a1	Aramid Yarns	YL



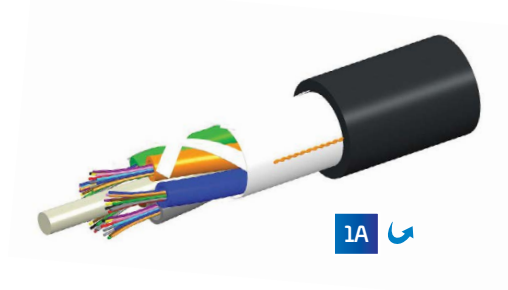
<b>3.0 mm Indoor drop cable</b>									
<b>760243614</b>	N-001-MN-8G-M-01-IV/B2	1 / G657.A2 / Round	3	0.9	900μ	Dry	B2ca, S1a, d0, a2	Aramid Yarns	IV



# Outdoor Cable

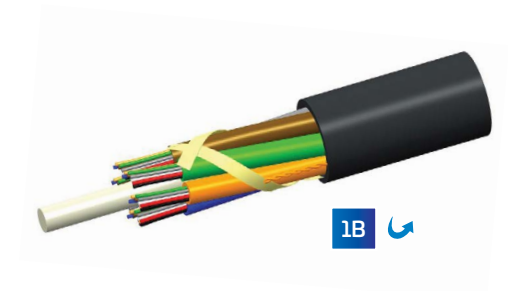
## STRANDED LOOSE TUBE CABLES

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.



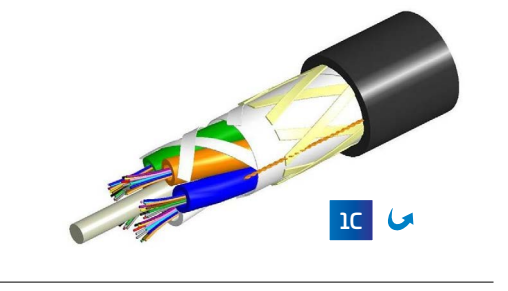
## MINI CABLES FOR AIR-BLOWN MICRODUCT APPLICATION

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. Microsheath versions of these cables are available allowing easy stripping of the tubes.



## AERIAL CABLE – ADSS

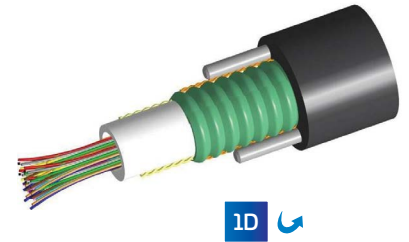
All-Dielectric Self-Supporting (ADSS) is a loose tube non-metallic fiber optic cable that is designed to be installed without the assistance of a metal strand or catenary wire. An ADSS cable uses aramid yarn and a high tensile central strength member for support. ADSS cable attaches directly to the pole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

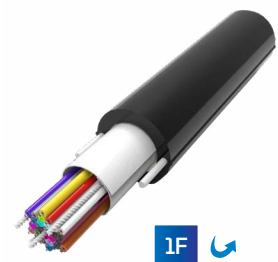
Matrix ribbon fiber cables provides a high level of flexibility, cost savings and is suitable for high density applications such as central office, data centers and hyperscaledata centers. The small diameter high fiber count construction enables mass fusion splicing and, as a result, reduces time on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



[FAÇADE 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.

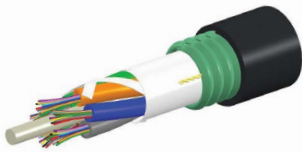
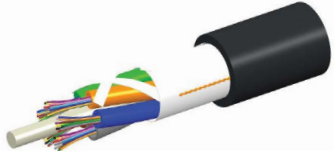
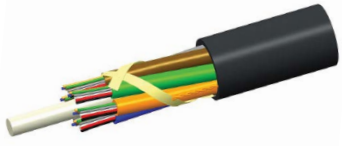
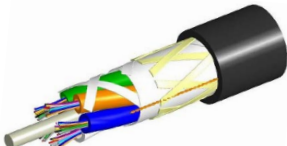
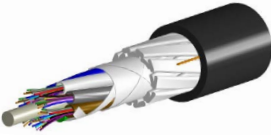
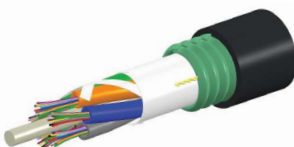

Available in dry core gel-filled or gel-free constructions, the cables have color-coded buffer tubes and can be armored and double jacketed for further protection. The standard jacket material is polyethelene, which provides a rugged, durable finish.

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

Microduct technology provides a cost-effective, craft-friendly way to upgrade your network, which can grow on demand. The ADSS cables are gel filled, non armoured and have been specifically designed for self supporting applications.

For increased strength and enhanced rodent resistance in harsh environments high tensile strength cables are offered.

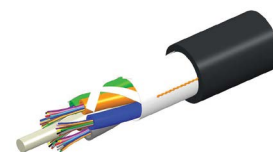
## Overview Outdoor Stranded Loose Tube

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

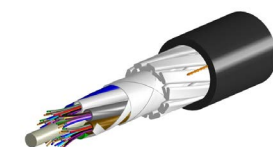


# Outdoor Cable – Stranded Loose Tube

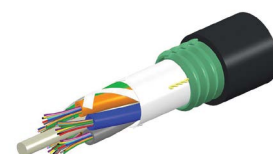
Part Number	Description	Outer diameter (mm)	Cable construction
<b>Outdoor Stranded Loose Tube, gel, non-armoured</b>			
<a href="#">860646618/DB</a>	O-006-LN-8W-M06BK/20G	9.5	6@1
<a href="#">860646619/DB</a>	O-012-LN-8W-M12BK/20G	9.5	6@1
<a href="#">860646620/DB</a>	O-024-LN-8W-M12BK/20G	9.5	6@1
<a href="#">860646621/DB</a>	O-048-LN-8W-M12BK/20G	9.5	6@1
<a href="#">860646622/DB</a>	O-072-LN-8W-M12BK/20G	9.5	6@1
<a href="#">860646623/DB</a>	O-096-LN-8W-M12BK/20G	10.5	8@1
<a href="#">860646624/DB</a>	O-144-LN-8W-M12BK/20G	13.3	12@1



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



<b>Outdoor Stranded Loose Tube, gel, armoured</b>			
<a href="#">860646602/DB</a>	O-006-LA-8W-M06BK/20G	10.8	6@1
<a href="#">860646603/DB</a>	O-012-LA-8W-M12BK/20G	10.8	6@1
<a href="#">860646604/DB</a>	O-024-LA-8W-M12BK/20G	10.8	6@1
<a href="#">860646605/DB</a>	O-048-LA-8W-M12BK/20G	10.8	6@1
<a href="#">860646606/DB</a>	O-072-LA-8W-M12BK/20G	10.8	6@1
<a href="#">860646607/DB</a>	O-096-LA-8W-M12BK/20G	12.2	8@1
<a href="#">860646608/DB</a>	O-144-LA-8W-M12BK/20G	14.7	12@1

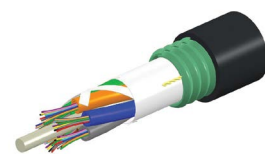
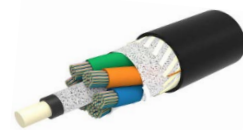


<b>Outdoor Stranded Loose Tube, dry, non-armoured</b>			
<a href="#">8107855/DB</a>	D-004-LN-8W-M04NS	10.2	5@1
<a href="#">8107424/DB</a>	D-006-LN-8W-M06NS	10.2	5@1
<a href="#">8107823/DB</a>	D-008-LN-8W-M08NS	10.2	5@1
<a href="#">8107425/DB</a>	D-012-LN-8W-M12NS	10.2	5@1
<a href="#">8107426/DB</a>	D-024-LN-8W-M12NS	10.2	5@1
<a href="#">8107427/DB</a>	D-036-LN-8W-M12NS	10.2	5@1
<a href="#">8107428/DB</a>	D-048-LN-8W-M12NS	10.2	5@1
<a href="#">8107859/DB</a>	D-060-LN-8W-M12NS	10.5	6@1
<a href="#">8107564/DB</a>	D-072-LN-8W-M12NS	10.5	6@1
<a href="#">8107565/DB</a>	D-096-LN-8W-M12NS	12	10@1
<a href="#">8107566/DB</a>	D-144-LN-8W-M12NS	15.7	12@1
<a href="#">8108302/DB</a>	D-192-LN-8W-M12NS	15.8	12@6
<a href="#">8107567/DB</a>	D-288-LN-8W-M12NS	18.2	15@9



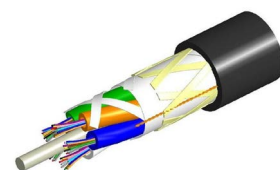
## Outdoor Cable – Stranded Loose Tube

Part Number	Description	Outer diameter (mm)	Cable construction
<b>Outdoor Stranded Loose Tube, dry, non-armoured, Rollable Ribbon</b>			
<b>760241353</b>	D-576-LN-RR-F12NS/8W/99H	21	6@1
<b>760241354</b>	D-864-LN-RR-F12NS/8W/99H	21	6@1
<b>760239389</b>	D-1728-LN-RR-F12NS/8W/99H	25.1	6@1
<b>Outdoor Stranded Loose Tube, dry, armoured</b>			
<b>810010273/DB</b>	D-048-LA-8W-M12NS	11.5	5@1
<b>810010274/DB</b>	D-096-LA-8W-M12NS	13.4	8@1
<b>810010275/DB</b>	D-144-LA-8W-M12NS	17.1	12@1
<b>810010276/DB</b>	D-288-LA-8W-M12NS	19.6	15@9
<b>Outdoor Stranded Loose Tube, dry, armoured, Rollable Ribbon</b>			
<b>760241356</b>	D-432-LA-RR-F12NS/8W/99H	18.6	6@1
<b>760241357</b>	D-576-LA-RR-F12NS/8W/99H	23.2	6@1
<b>760241358</b>	D-864-LA-RR-F12NS/8W/99H	23.2	6@1
<b>760239858</b>	D-1728-LA-RR-F12NS/8W/99H	26.8	6@1



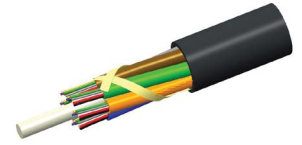
## ADSS Cables – Stranded Loose Tube

Part Number	Description	Outer diameter (mm)	Cable construction	Max span (m) under NESC condition (1.5% initial sag)		
				Light	Medium	Heavy
<b>ADSS cables</b>						
<b>810009932/DB</b>	S-012-LN-8W-M12NS/25G/S	11.3	6@1	222	157	96
<b>810009933/DB</b>	S-024-LN-8W-M12NS/25G/S	11.3	6@1	222	157	96
<b>810009934/DB</b>	S-036-LN-8W-M12NS/25G/S	11.3	6@1	222	157	96
<b>810009935/DB</b>	S-048-LN-8W-M12NS/25G/S	11.3	6@1	222	157	96
<b>810009936/DB</b>	S-060-LN-8W-M12NS/25G/S	11.3	6@1	222	157	96
<b>810009937/DB</b>	S-072-LN-8W-M12NS/25G/S	11.3	6@1	222	157	96
<b>810009944/DB</b>	S-096-LN-8W-M12NS/25G/S	12.7	8@1	219	163	103
<b>810009939/DB</b>	S-144-LN-8W-M12NS/25G/S	16.3	12@1	202	168	113
<b>810009940/DB</b>	S-216-LN-8W-M12NS/25G/S	16.5	12@6	140	116	78
<b>810009941/DB</b>	S-288-LN-8W-M12NS/25G/S	19.1	15@9	150	129	90



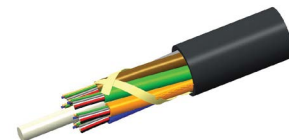
## Blown Cable - Stranded Loose Tube (Mini Cable - Micro Duct Cable)

Part Number	Description	Outer diameter (mm)	Indicative Inner Duct diameter range (mm)	Cable construction
<b>Traditional Size G652D / G657A1 – 12f/tube, 250µ</b>				
<a href="#">810009649/DB</a>	B-012-LN-8W-M12NS/15G	5.1	8 <> 12	5@1
<a href="#">810009650/DB</a>	B-024-LN-8W-M12NS/15G	5.1	8 <> 12	5@1
<a href="#">810009651/DB</a>	B-036-LN-8W-M12NS/15G	5.1	8 <> 12	5@1
<a href="#">810009652/DB</a>	B-048-LN-8W-M12NS/15G	5.1	8 <> 12	5@1
<a href="#">810009653/DB</a>	B-060-LN-8W-M12NS/15G	5.1	8 <> 12	5@1
<a href="#">810009654/DB</a>	B-072-LN-8W-M12NS/15G	5.3	8 <> 12	6@1
<a href="#">810009655/DB</a>	B-096-LN-8W-M12NS/15G	6.5	8 <> 12	8@1
<a href="#">810009656/DB</a>	B-144-LN-8W-M12NS/15G	8.4	12 <> 16	12@1
<b>Small Size G652D / G657A1 – 12f/tube, 250µ</b>				
<a href="#">810010380/DB</a>	B-012-LN-8W-M12NS/13G	4.6	6 <> 10	6@1
<a href="#">810010381/DB</a>	B-024-LN-8W-M12NS/13G	4.6	6 <> 10	6@1
<a href="#">810010382/DB</a>	B-036-LN-8W-M12NS/13G	4.6	6 <> 10	6@1
<a href="#">810010383/DB</a>	B-048-LN-8W-M12NS/13G	4.6	6 <> 10	6@1
<a href="#">810010384/DB</a>	B-060-LN-8W-M12NS/13G	4.6	6 <> 10	6@1
<a href="#">810010385/DB</a>	B-072-LN-8W-M12NS/13G	4.6	6 <> 10	6@1
<a href="#">810010386/DB</a>	B-096-LN-8W-M12NS/13G	5.4	8 <> 12	8@1
<a href="#">810010387/DB</a>	B-144-LN-8W-M12NS/13G	7.0	10 <> 16	12@1
<b>Microsheath G657.A1 – 12f/tube, 250µ</b>				
<a href="#">810009898/DB</a>	B-012-LN-8F-M12BK/14D	5.8	8 <> 12	6@1
<a href="#">810009899/DB</a>	B-024-LN-8F-M12BK/14D	5.8	8 <> 12	6@1
<a href="#">810009900/DB</a>	B-036-LN-8F-M12BK/14D	5.8	8 <> 12	6@1
<a href="#">810009901/DB</a>	B-048-LN-8F-M12BK/14D	5.8	8 <> 12	6@1
<a href="#">810009902/DB</a>	B-072-LN-8F-M12BK/14D	5.8	8 <> 12	6@1
<a href="#">810009903/DB</a>	B-096-LN-8F-M12BK/14D	6.9	10 <> 16	8@1
<a href="#">810009904/DB</a>	B-144-LN-8F-M12BK/14D	8.6	12 <> 16	12@1



## Blown Cable - Stranded Loose Tube (Mini Cable - Micro Duct)

Part Number	Description	Outer diameter (mm)	Indicative Inner Duct diameter range (mm)	Cable construction
<b>Traditional Size G652D / G657A1 – 24f/tube, 200µ</b>				
<a href="#">810009954/DB</a>	B-096-LN-8W-M24NS/17T 200	6.2	8 <> 12	6@1
<a href="#">810010104/DB</a>	B-144-LN-8W-M24NS/17T 200	6.2	8 <> 12	6@1
<a href="#">810010322/DB</a>	B-192-LN-8W-M24NS/17T 200	7.5	10 <> 16	8@1
<a href="#">810010354/DB</a>	B-216-LN-8W-M24NS/17T 200	7.8	10 <> 16	9@1
<a href="#">810010171/DB</a>	B-288-LN-8W-M24NS/17T 200	9.5	12 <> 16	12@1
<b>Small Size G652D / G657A1 – 24f/tube, 200µ</b>				
<a href="#">810010421/DB</a>	B-024-LN-8W-M24BK/14G 200	5.1	8 <> 12	6@1
<a href="#">810010422/DB</a>	B-048-LN-8W-M24BK/14G 200	5.1	8 <> 12	6@1
<a href="#">810010423/DB</a>	B-072-LN-8W-M24BK/14G 200	5.1	8 <> 12	6@1
<a href="#">810010424/DB</a>	B-096-LN-8W-M24BK/14G 200	5.1	8 <> 12	6@1
<a href="#">810010425/DB</a>	B-144-LN-8W-M24BK/14G 200	5.1	8 <> 12	6@1
<a href="#">810010426/DB</a>	B-192-LN-8W-M24BK/14G 200	5.9	8 <> 12	8@1
<a href="#">810010427/DB</a>	B-216-LN-8W-M24BK/14G 200	6.4	8 <> 12	9@1
<a href="#">810010428/DB</a>	B-288-LN-8W-M24BK/14G 200	7.8	10 <> 16	12@1

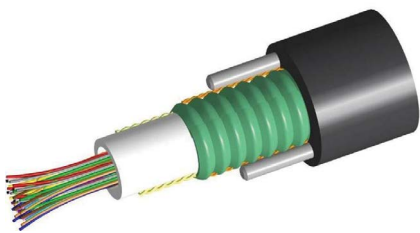
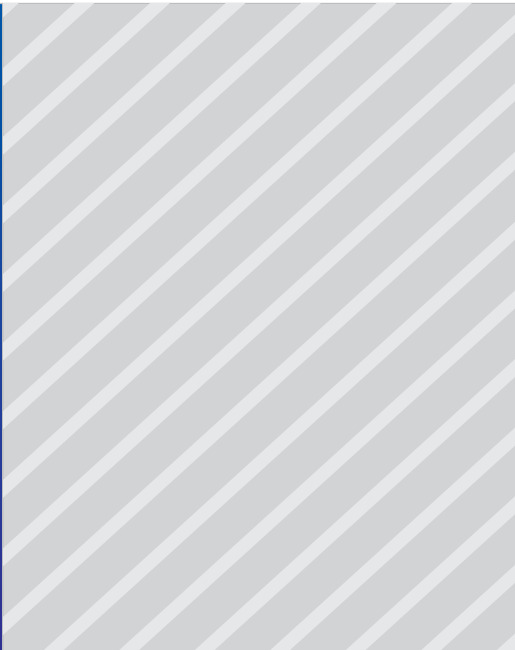

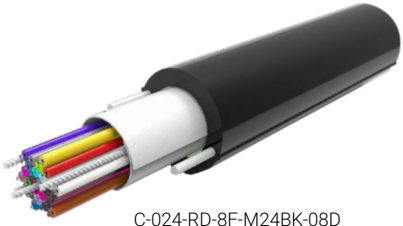


# Outdoor Cable – Central Loose Tube

## ORDERING INFORMATION

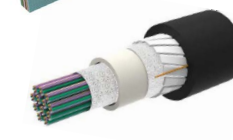
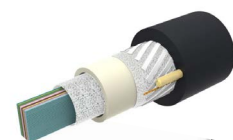
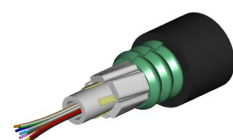
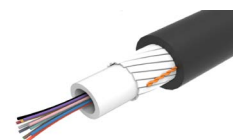
Central tube, or unitube, constructions are ideal for drop cable applications, and offering a robust construction for excellent protection of fiber. The corrugated steel tape is strong, yet flexible.

## Overview Outdoor Central Loose Tube

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

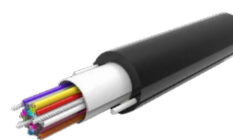
## Outdoor Cable – Central Loose Tube

Part Number	Description	Fiber type	Fibers	Outer diameter (mm)
<b>Gel filled, Non-Armoured</b>				
<a href="#">810009829/DB</a>	O-002-CN-8W-M02BK/28G/HD	G652D / G657A1	2	5.3
<a href="#">810010465/DB</a>	O-004-CN-8W-M02BK/28G/HD	G652D / G657A1	4	5.3
<a href="#">810009998/DB</a>	O-006-CN-8W-M02BK/28G/HD	G652D / G657A1	6	5.3
<a href="#">810009999/DB</a>	O-008-CN-8W-M02BK/28G/HD	G652D / G657A1	8	5.3
<b>Central tube, armoured</b>				
<a href="#">810009832/DB</a>	O-004-CA-8W-M04BK/GY/HD	G652D / G657.A1	4	10
<a href="#">810009833/DB</a>	O-006-CA-8W-M06BK/GY/HD	G652D / G657.A1	6	10
<a href="#">810009834/DB</a>	O-008-CA-8W-M08BK/GY/HD	G652D / G657.A1	8	10
<a href="#">810009835/DB</a>	O-012-CA-8W-M12BK/GY/HD	G652D / G657.A1	12	10
<a href="#">810009836/DB</a>	O-024-CA-8W-M24BK/GY/HD	G652D / G657.A1	24	10.5
<b>Central Tube, Non-Armoured, Matrix Ribbon</b>				
<a href="#">760213488</a>	D-072-CN-RB-F12NS/8W/99A	Matrix Ribbon G652D	72	13.9
<a href="#">760213504</a>	D-144-CN-RB-F12NS/8W/99A	Matrix Ribbon G652D	144	14.9
<b>Central Tube, Non-Armoured, Rollable Ribbon</b>				
<a href="#">810009429/DB</a>	D-144-CN-RR-F12NS/8W/99G	Rollable Ribbon G652D	144	10
<a href="#">810009430/DB</a>	D-288-CN-RR-F12NS/8W/99G	Rollable Ribbon G652D	288	12



## Retractable Cable

Part Number	Description	Fiber type	Fibers	Outer diameter (mm)
<b>Horizontal</b>				
<a href="#">810009757/DB</a>	C-024-RD-8F-M24BK-08D/D	G657.A1	24	9.2
<a href="#">810009758/DB</a>	C-024-RD-8F-M24WH-08D/D	G657.A1	24	9.2



## Blown Central Tube Cable - Micro Cable - Micro Duct

Part Number	Description	Outer diameter (mm)	Indicative Inner Duct diameter range
<b>Micro Cable with G652D/ G657A1</b>			
<a href="#">810010142/DB</a>	B-002-CN-8W-M02BK/20G	2.5	3.5 <> 6
<a href="#">810010143/DB</a>	B-004-CN-8W-M04BK/20G	2.5	3.5 <> 6
<a href="#">810010144/DB</a>	B-006-CN-8W-M06BK/20G	2.5	3.5 <> 6
<a href="#">810010145/DB</a>	B-008-CN-8W-M08BK/20G	2.5	3.5 <> 6
<a href="#">810010146/DB</a>	B-012-CN-8W-M12BK/20G	2.5	3.5 <> 6
<a href="#">810010147/DB</a>	B-024-CN-8W-M24BK/22G	2.5	3.5 <> 6
<b>Micro Cable G657.A2</b>			
<a href="#">810010277/DB</a>	B-002-CN-8G-M02BK/20G	2.5	3.5 <> 6
<a href="#">810010278/DB</a>	B-004-CN-8G-M04BK/20G	2.5	3.5 <> 6
<a href="#">810010279/DB</a>	B-006-CN-8G-M06BK/20G	2.5	3.5 <> 6
<a href="#">810010280/DB</a>	B-008-CN-8G-M08BK/20G	2.5	3.5 <> 6
<a href="#">810010281/DB</a>	B-012-CN-8G-M12BK/20G	2.5	3.5 <> 6
<a href="#">810010196/DB</a>	B-024-CN-8G-M24BK/22G	2.5	3.5 <> 6
<b>Micro Cable with G652D/ G657A1</b>			
<a href="#">810010116/DB</a>	B-002-CN-8W-M02BK/30G	3.9	6 <> 10
<a href="#">810010117/DB</a>	B-004-CN-8W-M04BK/30G	3.9	6 <> 10
<a href="#">810010118/DB</a>	B-006-CN-8W-M06BK/30G	3.9	6 <> 10
<a href="#">810010119/DB</a>	B-008-CN-8W-M08BK/30G	3.9	6 <> 10
<a href="#">810010120/DB</a>	B-012-CN-8W-M12BK/30G	3.9	6 <> 10
<a href="#">810010121/DB</a>	B-024-CN-8W-M24BK/30G	3.9	6 <> 10
<b>Micro Cable G657.A2</b>			
<a href="#">810010282/DB</a>	B-002-CN-8G-M02BK/30G	3.9	6 <> 10
<a href="#">810010283/DB</a>	B-004-CN-8G-M04BK/30G	3.9	6 <> 10
<a href="#">810010284/DB</a>	B-006-CN-8G-M06BK/30G	3.9	6 <> 10
<a href="#">810010285/DB</a>	B-008-CN-8G-M08BK/30G	3.9	6 <> 10
<a href="#">810010286/DB</a>	B-012-CN-8G-M12BK/30G	3.9	6 <> 10
<a href="#">810010287/DB</a>	B-024-CN-8G-M24BK/30G	3.9	6 <> 10



# 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 microsheath 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.

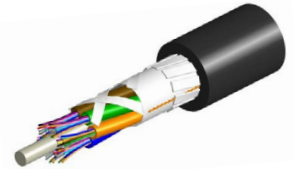
All Indoor/Outdoor cables are typically referred to as "C-" or "Z-" cables. C-Cables have an LSZH jacket and are CPR rated, which means that they can be used within the European market space. Z-Cables also have an LSZH jacket but have only been qualified for riser applications (UL1666) and thus can only be used in markets where CPR ratings are not required, like MEA..

### Overview Indoor/Outdoor Stranded Loose Tube

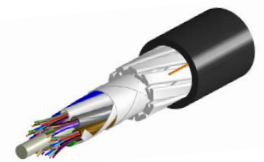
	Armored	Non-armored
Gel Filled	<b>C-LA/..G: Gel-filled, CST armored Cable</b> 	<b>C-LN/..G: Gel-Filled, Non-Armored Cable</b> 
	<b>Special construction</b> <b>C-LA/..G/GRP: Gel-Filled, GRP armored Cable</b> 	<b>Special constructions</b> <b>C-LN/..G/HTS: High tensile strength construction</b> 
	<b>Z-LA: Dry CST Armored Cable</b> 	<b>C-LN: Dry Non-Armored Cable</b> 
		<b>C-LN/ ... /14D: Microsheath Cable</b> 

# Indoor/Outdoor Cables – Stranded Loose Tube

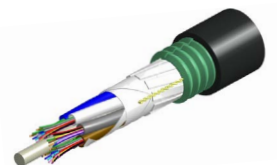
Part Number	Description	Cable Construction	Outer cable diameter (mm)	CPR rating
<b>Indoor/Outdoor Stranded Loose Tube, gel, non-armoured</b>				
<a href="#">810009759/DB</a>	C-002-LN-8W-M02BK/20G/D	6@1	11.1	Dca,s1a,d0,a1
<a href="#">810009760/DB</a>	C-004-LN-8W-M04BK/20G/D	6@1	11.1	Dca,s1a,d0,a1
<a href="#">810009666/DB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



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



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

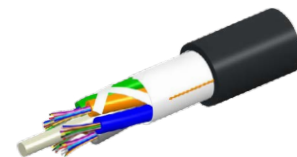


<b>Ind./Outd. Stranded Loose Tube, Gel, GRP armoured</b>				
<a href="#">760255361</a>	C-024-LA-8W-M12BK/20G/GRP/D	4@1	12.4	Dca,s2,d2,a1
<a href="#">760255362</a>	C-048-LA-8W-M12BK/20G/GRP/D	4@1	12.4	Dca,s2,d2,a1
<a href="#">760255363</a>	C-072-LA-8W-M12BK/20G/GRP/D	6@1	14.5	Dca,s2,d2,a1
<a href="#">760255364</a>	C-096-LA-8W-M12BK/20G/GRP/D	8@1	15.7	Dca,s2,d2,a1

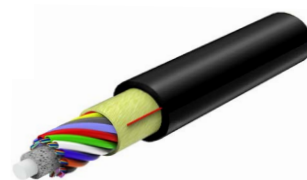


## Indoor/Outdoor Cables – Stranded Loose Tube

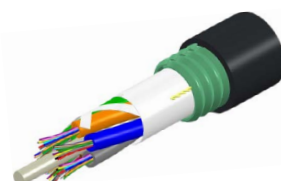
Part Number	Description	Cable Construction	Outer cable diameter (mm)	CPR rating
<b>Indoor/Outdoor Stranded Loose Tube, dry, non-armoured</b>				
<a href="#">810010034/DB</a>	C-012-LN-8W-M12BK/25D/E	5@1	11.7	Eca
<a href="#">810010033/DB</a>	C-024-LN-8W-M12BK/25D/E	5@1	11.7	Eca
<a href="#">810010032/DB</a>	C-036-LN-8W-M12BK/25D/E	5@1	11.7	Eca
<a href="#">810010031/DB</a>	C-048-LN-8W-M12BK/25D/E	5@1	11.7	Eca
<a href="#">810010030/DB</a>	C-060-LN-8W-M12BK/25D/E	5@1	11.7	Eca
<a href="#">810010029/DB</a>	C-072-LN-8W-M12BK/25D/E	6@1	12	Eca
<a href="#">810010028/DB</a>	C-096-LN-8W-M12BK/25D/E	8@1	13.6	Eca
<a href="#">810010027/DB</a>	C-144-LN-8W-M12BK/25D/E	12@1	17.3	Eca



<b>Ind./Outd. Stranded Loose Tube, Dry, non-Armoured, Microsheath</b>				
<a href="#">810010333/DB</a>	C-012-LN-8F-M12BK/14D/D	6@1	6.1	Dca,s1a,d2,a1
<a href="#">810010334/DB</a>	C-024-LN-8F-M12BK/14D/D	6@1	6.1	Dca,s1a,d2,a1
<a href="#">810010335/DB</a>	C-048-LN-8F-M12BK/14D/D	6@1	6.1	Dca,s1a,d2,a1
<a href="#">810010336/DB</a>	C-072-LN-8F-M12BK/14D/D	6@1	6.1	Dca,s1a,d2,a1
<a href="#">810010337/DB</a>	C-096-LN-8F-M12BK/14D/D	8@1	6.8	Dca,s1a,d2,a1
<a href="#">810010338/DB</a>	C-144-LN-8F-M12BK/14D/D	12@1	8.6	Dca,s1a,d2,a1



<b>Ind./Outd. Stranded Loose Tube, Dry, Armoured (for MEA only)</b>				
<a href="#">810009782/DB</a>	Z-006-LA-8W-M06BK/25D	5@1	13	No CPR rating
<a href="#">810009783/DB</a>	Z-012-LA-8W-M12BK/25D	5@1	13	No CPR rating
<a href="#">810009784/DB</a>	Z-024-LA-8W-M12BK/25D	5@1	13	No CPR rating
<a href="#">810009785/DB</a>	Z-036-LA-8W-M12BK/25D	5@1	13	No CPR rating
<a href="#">810009786/DB</a>	Z-048-LA-8W-M12BK/25D	5@1	13	No CPR rating
<a href="#">810009787/DB</a>	Z-072-LA-8W-M12BK/25D	6@1	13.4	No CPR rating
<a href="#">810009788/DB</a>	Z-144-LA-8W-M12BK/25D	8@1	18.7	No CPR rating



# Indoor/Outdoor Cables – Central Loose Tube

## ORDERING INFORMATION

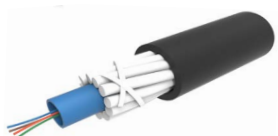
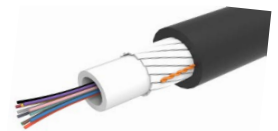
The CommScope LSZH All-Dielectric Indoor/Outdoor cables are designed to deliver the performance required for installation in indoor and outside plant environments. The central tube design, utilizing flexible radial strength elements, provides an optimum solution for point-to-point connectivity where 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		<b>C-CA: Gel filled, CST armored</b> 	<b>C-CN../..G: Gel filled, non-armored</b> 
		<b>C-CA/ .. GRP: Indoor/Outdoor Central Tube, gel, GRP-armored</b> 	
Dry			<b>C-CN: Dry, Non-Armored Cable</b> 
			<b>Z-CN-RR: High Fiber count Rollable Ribbon Cables</b> 

## Indoor/Outdoor Cables – Central Loose Tube

Part Number	Description	Fiber type	Fibers	Reinforcement	Outer diameter (mm)	CPR rating
<b>Ind./Outd. Central Loose Tube, Dry, non-Armoured</b>						
<a href="#">760254734</a>	C-004-CN-8W-M04BK/28D/GY/D	G652D/ G657.A1	4	Glass Yarns	6.4	Dca,s2,d2,a1
<a href="#">810010221/DB</a>	C-012-CN-8W-M12BK/28D/GY/D	G652D/ G657.A1	12	Glass Yarns	6.4	Dca, s2, d2, a1
<a href="#">810010215/DB</a>	C-006-CN-8W-M06BK/28D/AY/D	G652D/ G657.A1	6	Aramid Yarns	6.4	Dca, s2, d2, a1
<a href="#">810010218/DB</a>	C-008-CN-8W-M08BK/28D/AY/D	G652D/ G657.A1	8	Aramid Yarns	6.4	Dca, s2, d2, a1
<a href="#">810010216/DB</a>	C-012-CN-8W-M12BK/28D/AY/D	G652D/ G657.A1	12	Aramid Yarns	6.4	Dca, s2, d2, a1
<b>Ind./Outd. Central Tube, Dry, non-Armoured, Rollable Ribbon</b>						
<a href="#">760245231</a>	Z-192-CN-RR-F12BK/8G1/99G/C	G657.A2	16*12	Glass Strenght elements	12.5	Eca
<a href="#">760246294</a>	Z-576-CN-RR-F12BK/8G1/99G/C	G657.A2	48*12	Glass Strenght elements	17.0	Cca,s1a,d0,a1
<a href="#">760241349</a>	Z-864-CN-RR-F12BK/8W/99G/C	G657.A2	72*12	Glass Strenght elements	19.5	Cca,s1a,d0,a1
<b>Ind./Outd. Central Loose Tube, Gel filled, non armoured</b>						
<a href="#">810010219/DB</a>	C-004-CN-8W-M04BK/28G/GY/E	G652D/ G657.A1	4	Glass Yarns	6.4	Eca
<a href="#">810010222/DB</a>	C-012-CN-8W-M12BK/28G/GY/E	G652D/ G657.A1	12	Glass Yarns	6.4	Eca
<a href="#">810010225/DB</a>	C-024-CN-8W-M24BK/40G/GY/D	G652D/ G657.A1	24	Glass Yarns	8	Dca, s2,d2, a1
<b>Ind./Outd. Central Loose Tube, Gel filled, CST armoured</b>						
<a href="#">810009866/DB</a>	C-004-CA-8W-M04BK/28G/GY	G652D/ G657.A1	4	Glass Yarns	10	Not CPR rated, MEA use only
<a href="#">810009867/DB</a>	C-008-CA-8W-M08BK/28G/GY	G652D/ G657.A1	8	Glass Yarns	10	Not CPR rated, MEA use only
<a href="#">810009868/DB</a>	C-012-CA-8W-M12BK/28G/GY	G652D/ G657.A1	12	Glass Yarns	10	Not CPR rated, MEA use only
<a href="#">810009869/DB</a>	C-024-CA-8W-M24BK/40G/GY	G652D/ G657.A1	24	Glass Yarns	12.7	Not CPR rated, MEA use only
<b>Ind./Outd. Central Loose Tube, Gel filled, GRP armoured</b>						
<a href="#">810009841/DB</a>	C-004-CA-8W-M04YL/28G/GRP/D	G652D/ G657.A1	4	GRP	9.0	Dca,s2,d2,a1
<a href="#">810009842/DB</a>	C-006-CA-8W-M06YL/28G/GRP/D	G652D/ G657.A1	6	GRP	9.0	Dca,s2,d2,a1
<a href="#">810010213/DB</a>	C-008-CA-8W-M08BK/28G/GRP/D	G652D/ G657.A1	8	GRP	9.0	Dca, s2, d2, a1
<a href="#">810010214/DB</a>	C-016-CA-8W-M16BK/40G/GRP/E	G652D/ G657.A1	16	GRP	11.0	Eca
<a href="#">810009879/DB</a>	C-024-CA-8W-M24BK/40G/GRP/E	G652D/ G657.A1	24	GRP	11.0	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		<b>C-DS:</b> Distribution cable with 900µ
		

Part Number	Description	Fiber type	Fibers	Buffer size	Outer cable diameter (mm)	CPR rating
<b>Indoor/Outdoor Central Loose Tube, gel, armored</b>						
<b>810010233/DB</b>	C-002-DS-8W-MSUBK/GY/B	G652D/ G657.A1	2	900µ tight	5.2	B2ca, s1a, d1, a1
<b>810010234/DB</b>	C-006-DS-8W-MSUBK/GY/C	G652D/ G657.A1	6	900µ tight	6.4	Cca, s2, d1, a1
<b>810010235/DB</b>	C-012-DS-8W-MSUBK/GY/C	G652D/ G657.A1	12	900µ tight	8.0	Cca, s2, d1, a1
<b>810010236/DB</b>	C-024-DS-8W-MSUBK/GY/C	G652D/ G657.A1	24	900µ tight	9.5	Cca, s2, d1, a1



# Indoor Cables

## ORDERING INFORMATION

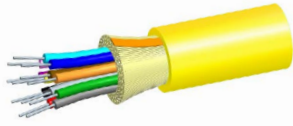
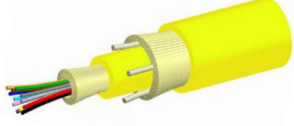
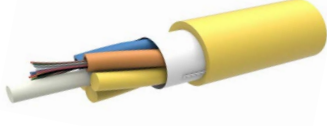
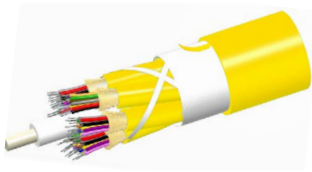
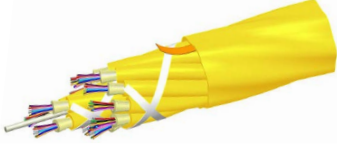
The cables detailed below are a small selection of a vast range of available indoor cables which may be positioned for Service Providers or Central Office applications. Please do not hesitate to reach out to your sales contact for other options.

Three cable constructions were selected:

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

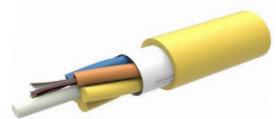
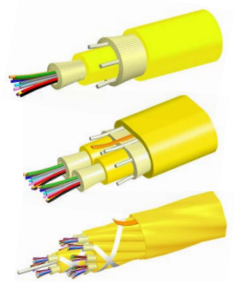
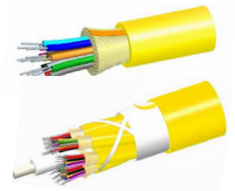
[VIEW BROCHURE](#)

## Overview Indoor Cable for Service Providers/Central Office

900µ distribution Cable	MPO Trunk Cable with 12f subunits	Microsheath cable
<b>N-DS: Distribution Cable</b> <b>N-004...024-DS</b> (Up to 24f individual 900µ single fiber units)	<b>N-MP: LSZH MPO Trunk Cable</b> <b>N-012-MP: Single Unit Cable of 12 fiber subunit 250µ</b>	<b>L-LN/.../15D: Single Jacket All-Dielectric, Gel-Free, Indoor Microsheath Tube Cable</b>
		
<b>N-048...072-DS</b> (Up to 72f bundled in subunits of 12 900µ fibers)	<b>N-024...144-MP: Multi-unit fiber cables with 250µ fiber subunits</b>	
		
		

# Indoor Cables

Part Number	Description	250µ /900µ	Buffer tube/ Subunit Diam	Cable construction	Outer cable diameter (mm)	CPR rating
<b>Indoor 900µ distribution cable, dry</b>						
<a href="#">810009796/DB</a>	N-004-DS-8W-MSUYL/B2	900µ	NA	Single Unit	4.8	B2ca,s1a,d1,a1
<a href="#">810009955/DB</a>	N-012-DS-8W-MSUYL/B2	900µ	NA	Single Unit	6.1	B2ca,s1a,d1,a1
<a href="#">810009798/DB</a>	N-024-DS-8W-MSUYL/B2	900µ	NA	Single Unit	8.8	B2ca,s1a,d1,a1
<a href="#">810009799/DB</a>	N-048-DS-8W-MMUYL/C	900µ	6.1	4@1	16.2	Cca,s1b,d1,a1
<a href="#">810009800/DB</a>	N-072-DS-8W-MMUYL/C	900µ	6.1	6@1	20.0	Not CPR rated, MEA use only
<b>Indoor MP cable, dry</b>						
<a href="#">810009801/DB</a>	N-012-MP-8G-M12YL/D	250µ	3.0	MP	5.4	Dca,s1a,d1,a1
<a href="#">810009802/DB</a>	N-024-MP-8G-M12YL/D	250µ	3.0	MP	5.2 X 8.2	Dca,s1a,d1,a1
<a href="#">810009803/DB</a>	N-048-MP-8G-M12YL/D	250µ	3.0	MP	9.2	Dca, s2, d1, a1
<a href="#">810009804/DB</a>	N-072-MP-8G-M12YL/D	250µ	3.0	MP	10.75	Dca,s1a,d1,a1
<a href="#">810009805/DB</a>	N-096-MP-8G-M12YL/D	250µ	3.0	MP	12.45	Dca,s1a,d1,a1
<a href="#">810009806/DB</a>	N-144-MP-8G-M12YL/D	250µ	3.0	MP	14.2	Dca,s1a,d1,a1
<b>Indoor Loose Tube, dry, Microsheath</b>						
<a href="#">810010177/DB</a>	L-012-LN-8W-M12YL/15D/B	250µ	1.5	5@1	6.7	B2ca,s1a,d0,a1
<a href="#">810010178/DB</a>	L-024-LN-8W-M12YL/15D/B	250µ	1.5	5@1	6.7	B2ca,s1a,d0,a1
<a href="#">810010179/DB</a>	L-048-LN-8W-M12YL/15D/B	250µ	1.5	5@1	6.7	B2ca,s1a,d0,a1
<a href="#">810010180/DB</a>	L-072-LN-8W-M12YL/15D/B	250µ	1.5	6@1	7.2	B2ca,s1a,d0,a1
<a href="#">810010181/DB</a>	L-096-LN-8W-M12YL/15D/B	250µ	1.5	8@1	8.7	B2ca,s1a,d0,a1
<a href="#">810010182/DB</a>	L-144-LN-8W-M12YL/15D/B	250µ	1.5	12@1	10.7	B2ca,s1a,d0,a1



# Fiber Cable Color Chart

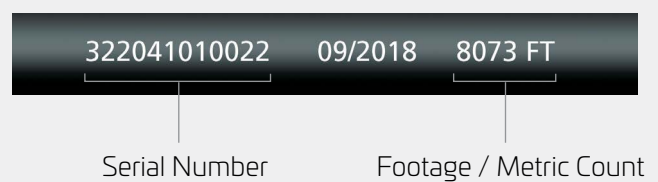
OPTICAL FIBER COLOR CODE - TIA/EIA 598	
Fiber 1	Blue
Fiber 2	Orange
Fiber 3	Green
Fiber 4	Brown
Fiber 5	Slate
Fiber 6	White
Fiber 7	Red
Fiber 8	Black
Fiber 9	Yellow
Fiber 10	Violet
Fiber 11	Rose
Fiber 12	Aqua

For other color options contact your sales representative. For fibers 13 to 24, same color set is used, but dashed. For fiber 20, natural color (dashed) is used (replacing black dashed).

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

## Webtrak® and cTrak®

We stand by our performance and provide certified fiber cable test results. Each fiber reel is tested before leaving a CommScope factory. You can view fiber performance test results online with our WebTrak tool. Enter the serial number printed on the cable jacket along with the footage/meter reference to access the data. The WebTrak® tool is available online or cTrak® as a mobile app.



[Go to cTrak®](#)

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