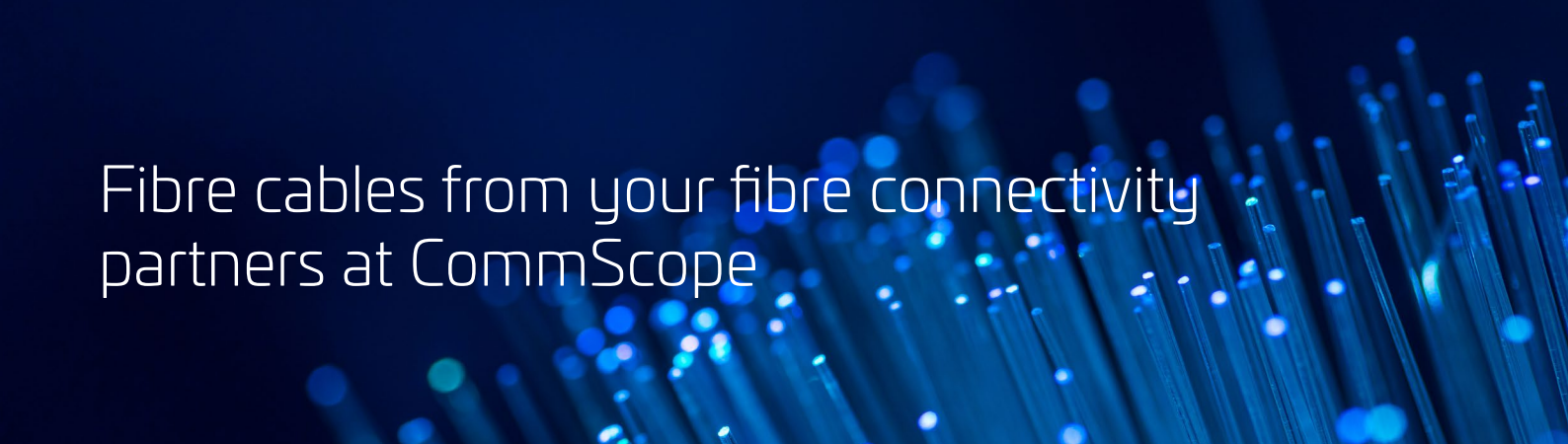




High-performance Broadband fibre-optic bulk cables

APAC | Edition 2



Fibre cables from your fibre 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 fibre connectivity that runs the highest-performing networks worldwide, CommScope is now offering an expanded fibre cables portfolio. To meet increasing needs for connectivity, CommScope has access to additional capacity in APAC, bringing the most advanced manufacturing techniques to satisfy Asia's established and emerging markets' demands for FTTH and 5G growth.

CommScope fibre-optic cables—made in Asia, for Asia's 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 international standards and construction. Made from high-performance, standards-compliant materials, CommScope fibre 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 labour, 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 fibre-optic cables—a perfect marriage with CommScope's connectivity products.

CommScope fibre-optic cables and connectivity products are developed to work seamlessly together in your next-level future access network. For more info on our connectivity products please contact your local sales representative..

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

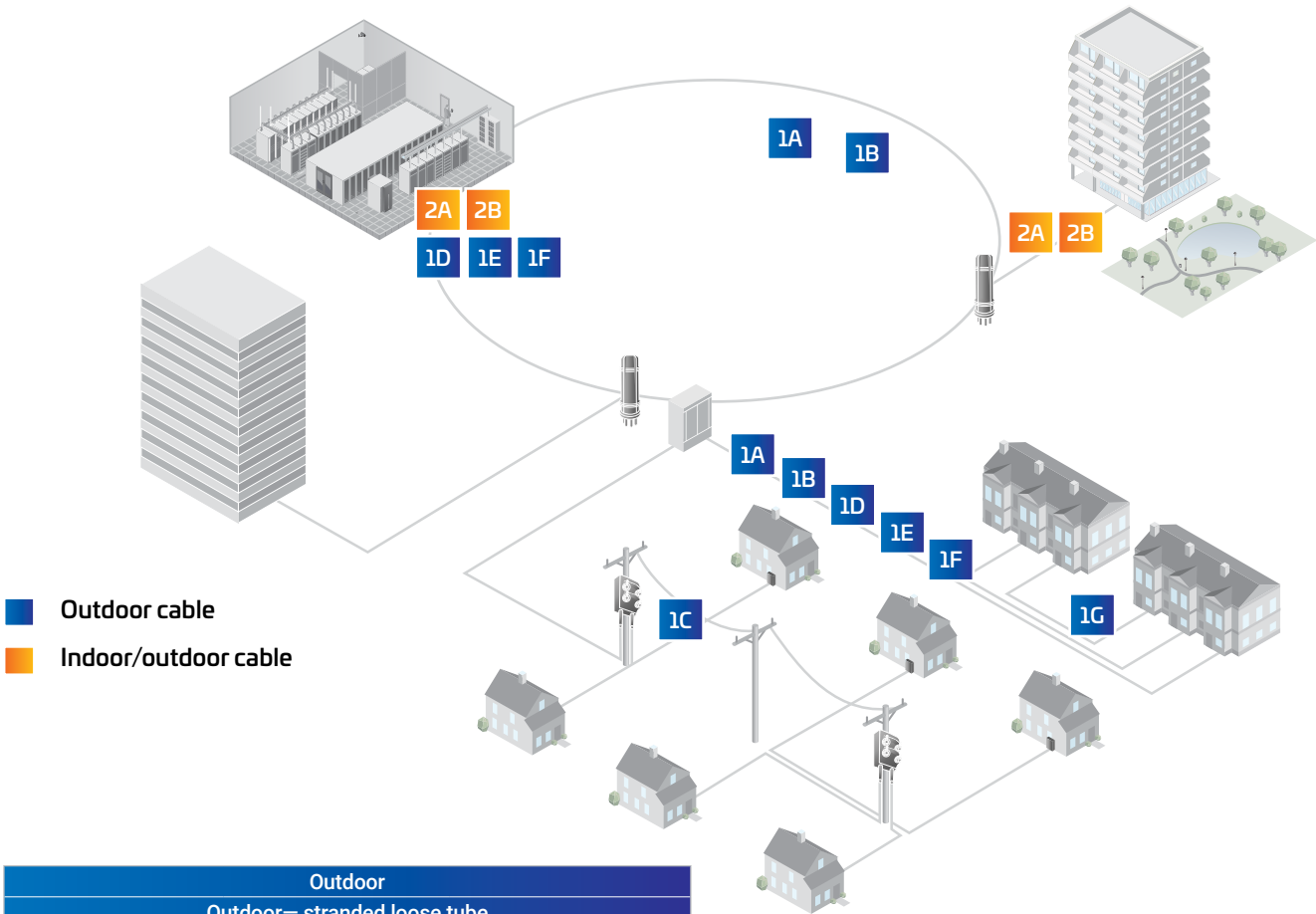
- Made from high-performance, standards-compliant materials for superior mechanical and optical performance.
 - Outdoor cables for a wide range of application: stranded and central loose tube cables, air-blown fibre cables, and all-dielectric self-supporting cables. Many of those can also be dielectric, glass reinforced and corrugated steel strengthened. Dry or gel-filled tubes.
 - Indoor/outdoor cables with LSZH jackets.
 - Outdoor and indoor/outdoor drop cables selected as a function of local network design and regulations, some of which can be factory pre-connectorised upon request to reduce time to connect new customers.
- 

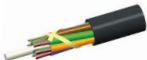
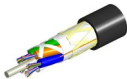
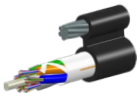
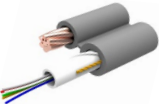
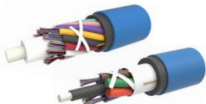
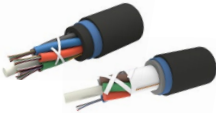
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Cable overview

Cable network use diagram



Outdoor		
Outdoor— stranded loose tube		
1A: Stranded Loose Tube	1B: Air Blown Mini Cable	1C: Aerial—ADSS
		
Outdoor—Figure 8		
1C: Aerial—FIG 8 - SLT	1C: Aerial—FIG 8 - CLT	
		
Outdoor—central loose tube		
1D: central tube	1G: air-blown micro cable	1C: Aerial—ADSS
		
Outdoor—GRP Armoured Cable		
1D: GRP Armoured Cable	1E: Double Jacket Anti-termite Cable	1F: Triple Jacket Anti-termite Cable
		

Indoor/outdoor		
2A: stranded loose tube		
2B: central loose tube		

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.

The diagram illustrates the structure of a cable description key. A sequence of boxes (orange, green, blue, purple, orange, green, orange, green, orange, green, orange) is shown at the top, connected by lines to various specification tables below. The tables are organized into columns and rows, with lines indicating the mapping between the boxes and the specific fields in the tables.

Cable family	
O	Outdoor arid core gel-filled tubes
D	Outdoor arid core gel-free tubes
B	Micro cable for air-blown installation
I	Loose tube in/out LSZH
Q	In/out LSZH armoured
S	ADSS
M	Messenger self support
C	In/Out Central loose tube

Fibre count	
006-288	This field specifies the total fibre count in the cable. A value of "006" means 6 fibre strands, "value of "048" means 48 fibre strands. Valid fibre counts are: 006, 008, 012, 024, 036, 048, 072, 096, 144, 288. Contact sales for different fibre counts.

Cable construction	
LN	Loose tube all-dielectric
LA	Loose tube CST armoured
CN	Central tube all-dielectric
CA	Central tube armoured
DN	Drop dielectric
RD	Retractable dielectric
MP	Loose-tube cordage
DS	Distribution cable
L2	Dual jacket ADSS

Fibre type	
8M	G.652.D
8F	G.657.A1
8G	G.657.A2
8G2	G.657.B3

Unit of measure	
M	Marked in meters

Subunit fibre count	
06-48	"06" means 6 fibre per subunit (tube).

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

Tertiary specialty material jackets	
AJ	Alternative jacket (rodent resistant)
PE	High-density polyethylene
PA	Nylon jacket
NA	Not applicable

Secondary specialty material jackets	
AJ	Alternative jacket (rodent resistant)
PE	High-density polyethylene
PA	Nylon jacket
NA	Not applicable

Special cable construction	
HTS	High tensile strength
GY	Glass yarn strength elements
AY	Aramid yarns strength elements
GRPA	GRP rod dielectric armoured
NR	No ripcord

Primary specialty material jackets	
AJ	Alternative jacket (rodent resistant)
PE	High-density polyethylene
PA	Nylon jacket
NA	Not applicable

Tube size and type	
14G	1.4 mm gel-filled / B-LN cable 250 µm
14G 200	1.4 mm gel-filled / B-LN cable 200 µm
15G	1.5 mm gel-filled / B-LN cable 250 µm
17T200	1.7 mm gel-filled / B-LN cable 200 µm
14D	1.4 mm gel-filled microsheath cable
19G	1.9 mm gel-filled
25D	2.50 mm gel-filled
20G	2.00 mm gel-filled
25G	2.50 mm gel-filled / SLT & central tube
40T	4.00 mm gel-filled / gel-filled / central tube and drop
60T	6.0 mm gel-filled / central tube and drop

Tracer colour or jacket colour			
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

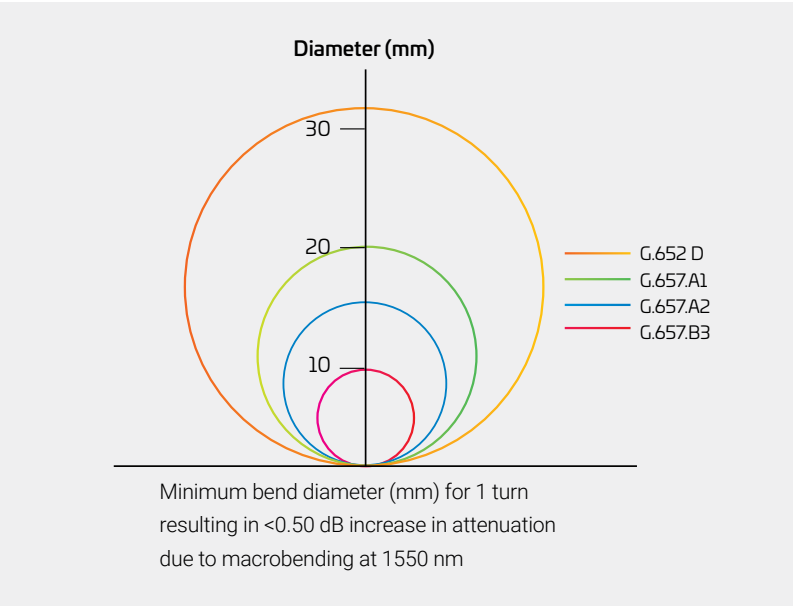
Different fibre types

CommScope supports several fibre types depending on the specific application. The list below includes popular singlemode fibres along with the suggested application.

CommScope designation	Fibre grade	SM - MFD @1310 nm	Advantages	Suggested Application
8M	G.652.D	9.2 μm +/- 0.4 μm	Most widely used fibre globally, designed to have zero dispersion, operates at 1310 nm and 1550 nm. Cladding diameter 125.0 $\pm$ 0.7 μm	Trunk/feeder
8M1	G.652.D	9.2 μm +/- 0.4 μm	Connector grade (same as above). Cladding diameter 125.0 $\pm$ 0.3 μm	Trunk/feeder
8F	G.657.A1	9.2 μm +/- 0.4 μm	Offers optimised bend properties and suited for the LAN networks. Cladding diameter 125.0 $\pm$ 0.7 μm	Trunk/feeder
8F1	G.657.A1 TC	9.2 μm +/- 0.4 μm	Connector grade (same as above). Cladding diameter 125.0 $\pm$ 0.3 μm	Trunk/feeder
8G	G.657.A2	8.6 μm +/- 0.4 μm	Higher bend resistance for smaller jointing pits and utilised in advanced cable network installations. Compatible with G.652.D. Cladding diameter 125.0 $\pm$ 0.7 μm	Trunk/feeder/drop/distribution
8G1	G.657.A2 TC	8.6 μm +/- 0.4 μm	Connector grade (same as above). Cladding diameter 125.0 $\pm$ 0.3 μm	Drop/distribution
8G2	G.657.B3	8.7 μm +/- 0.4 μm	Exceptional bend performance. Fully compatible with G.652.D. Cladding diameter 125.0 $\pm$ 0.3 μm	Drop

Attenuation versus bend radius

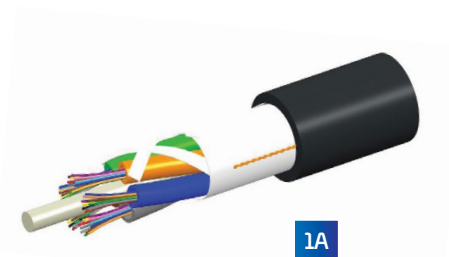
1. G.652D; min. bend diameter: 32mm; max. induced attenuation @1550 nm: <0.05 dB
2. G.657A1; min. bend diameter: 20mm; max. induced attenuation @1550 nm: <0.50 dB
3. G.657A2; min. bend diameter: 15mm; max. induced attenuation @1550 nm: <0.50 dB
4. G.657B3; min. bend diameter: 10mm; max. induced attenuation @1550 nm: <0.50 dB



Outdoor cable

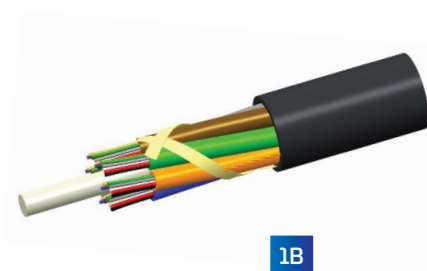
STRANDED LOOSE TUBE CABLES

Stranded loose tube fibre 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.



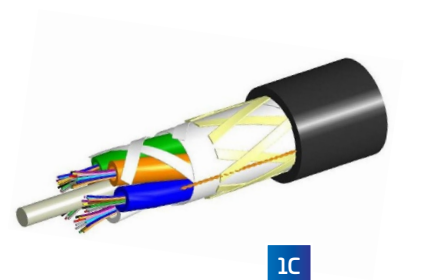
MINI CABLES FOR AIR-BLOWN MICRODUCT APPLICATION

CommScope's family of cost-effective fibre-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 fibre 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

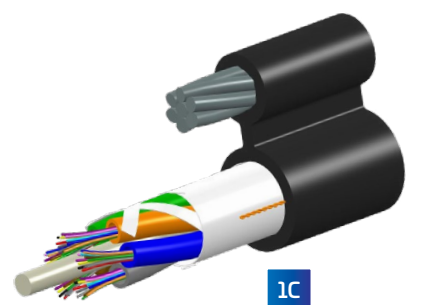
All-Dielectric Self-Supporting (ADSS) is a loose tube non-metallic fibre-optic cable that is designed to be installed without the assistance of a metal strand or catenary wire. An ADSS cable uses aramid yarn and a high tensile central strength member for support. ADSS cable attaches directly to the pole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



AERIAL CABLE—FIG 8

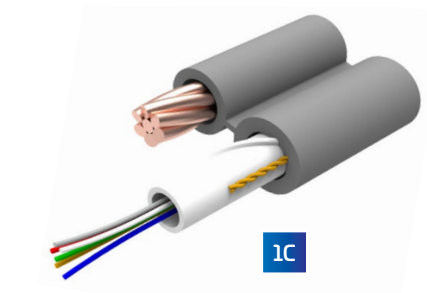
Fig 8 cables are a common construction and mandatory in certain regions within APAC.

Key feature is the messenger wire: It bonds to fibre cable to provide the structural support needed to keep them in place. The messenger wire prevents sagging for aerial installations and reduces strain on the fibre-optic cable, though it cannot carry a signal or an electrical current itself.



AERIAL FIGURE 8—CENTRAL LOOSE TUBE CABLE

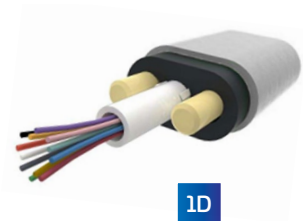
With all fibres inside a single central tube, these cables are preferred when fibre counts are low and are often used for branching applications or at the end of distribution runs. The cable has a smaller overall dimension.



Outdoor cable

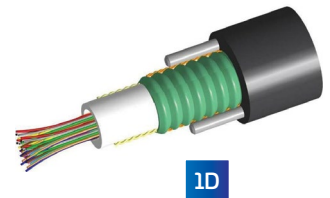
12F AND 24F FEEDER CABLE

Single Loose-Tube Flat optical fibre cables designed for ducts and aerial installation. Cable is fully dielectric thus immune to electric shocks or magnetic interferences. The loose tube contains up-to 24 single mode fibres, laid parallel to two composite glass fibre reinforced plastic (GRP) strength member that provides tensile and compressive strength to the cable. The tube is filled with a low viscosity thixotropic gel that prevents the longitudinal passage of moisture along the tube. The cable core is protected from moisture permeation and water penetration by means of a dry water blocking system. Each individual fibre is coloured within the tube and fiber counts above twelve contains band marking system for unambiguous identification. The cable is completed by the application of dual layer of polyethylene sheath with a nylon jacket for protection against termite attack to improve cable durability.



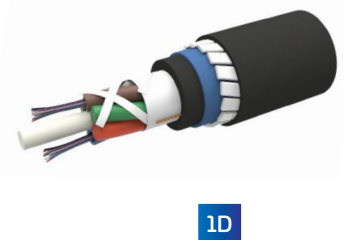
CENTRAL TUBE CABLES

With all fibres inside a single central tube, these cables are preferred when fibre 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.



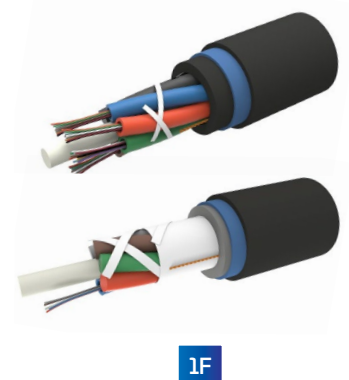
GRP ARMoured CABLE

These loose-tube optical fibre cables are designed for installation by direct burial in locations subject to rodent attacks. Cable is fully dielectric and with GRP armoring to resist rodent attack. A black polyethylene inner sheath with an anti-termite intermediate layer of nylon jacket which also acts as a bedding for a layer of flat Glass Reinforced Plastic straps that are applied helically to provide an extremely effective barrier to all types and sizes of rodents. The cable is then completed by a layer of polyethylene jacket covering the layer of GRP straps to provide overall protection during installation.



TRIPLE JACKET ANTI-TERMITE CABLE

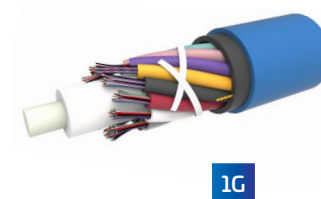
These heavy-duty loose tube optical fibre cables are designed to be installed by direct buried application. Cable is fully dielectric, thus being immune to earth potential rises that can occur during lightning strikes and in areas of high soil resistivity. The tubes are filled with thixotropic non-melting gel that prevents the longitudinal ingress of moisture along the tube. The cable core is protected from moisture permeation and water penetration by means of a dry water blocking system. The cable is completed by the application of a three-layer jacket with a nylon jacket sandwiched between two polyethylene jackets for protection against termite attacks and improved cable bending performance and durability. The extra combined jacket thickness provides extra strength when exposed to areas of reactive/black soils commonly found in rural Australia.



Outdoor cable

DOUBLE JACKET ANTI-TERMITE CABLE

These loose-tube optical fibre cables are designed to be installed inside a duct or buried underground. Cables are dielectric, making it immune to electric shocks or magnetic interferences. The tubes are filled with thixotropic non-melting gel that prevents the longitudinal ingress of moisture along the tube. The cable core is protected from moisture permeation and water penetration, by means of a dry water blocking system. The cable is completed with an application of a dual layer polyethylene sheath, plus nylon jacket for protection against termite attacks and improved cable bending performance and durability. The thickness of the combined polyethylene/nylon jacket is thicker than that of duct cables, which provide extra compressive strength when exposed to underground application.



MICRO CABLES FOR AIR-BLOWN MICRODUCT APPLICATION

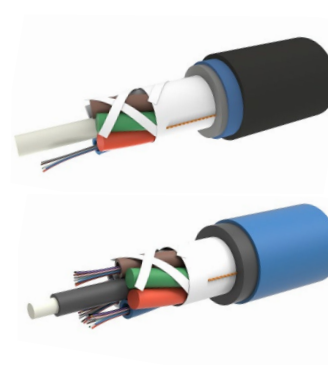
The family of fibre-optic micro cables is designed for air-blown installations into microducts which are commonly used for drop applications. This technology allows for the blowing of drop cable to customer premises on demand. The fibres in this cable are protected by a central tube which allows the 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 fibre count range from 2f to 24f were developed. One family, with outer diameter 2.5 mm (24f has OD 2.8 mm) and one family with outer diameter 3.9 mm are available, allowing perfect filling ratios for blowing in the ducts.



BLOWN/ MINI LOOSE TUBE

These mini loose-tube optical fibre cables are designed to be installed inside micro ducts. Cables are dielectric, making it immune to electric shocks or magnetic interferences. The mini tubes are filled with thixotropic non-melting gel that prevents the longitudinal ingress of moisture along the tube. The cable core is protected from moisture permeation and water penetration by means of a dry water blocking system. The cable is completed by the application of a dual layer of polyethylene sheath with a nylon jacket for protection against termite attacks and improved cable bending performance and durability. These cables are designed with reduced overall diameter along with anti-termite properties best suited for blowing application inside mini/micro ducts.



Outdoor cable—stranded loose tube

ORDERING INFORMATION

Stranded loose tube fibre cables are designed for applications such as direct buried, aerial, or conduit. The loose tube fibre 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 colour-coded buffer tubes and can be armoured and double jacketed for further protection. The standard jacket material is polyethelene, which provides a rugged, durable finish.

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

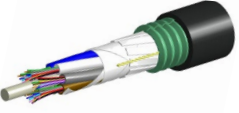
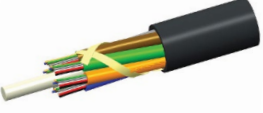
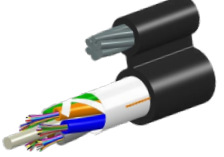
Microduct technology provides a cost-effective, craft-friendly way to upgrade your network, which can grow on demand.

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.

FIG 8—Figure 8 cables are self-supporting cable designed specifically for outdoor aerial installation between poles or support structures.

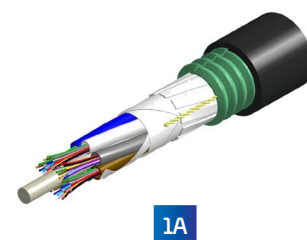
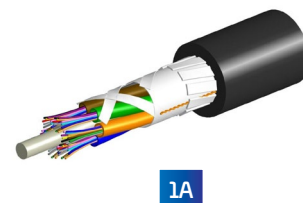
Overview outdoor stranded loose tube

	Armoured	Non-armoured
	O-LA: Gel-filled, CST armoured	O-LN: Gel-filled, dielectric, non-armoured
Gel filled		
	J-LA: Gel filled, Armoured, Jelly-filled core	J-LN: Gel-Filled, Non armoured, Jelly Filled Core
		
		Special construction
		B-LN: Air-blown mini cable for microduct
		
		S-LN: ADSS
Dry		
		M-LN - FIG 8
		
	O-LA: Dry, CST armoured	O-LN: Dry, dielectric, non-armoured
	More information available upon request.	More information available upon request.

Outdoor cable—stranded loose tube*

MID	Fiber Count	Cable Description	Cable Diameter (mm)	Cable Weight (Kg/Km)	Standard Length (kms)
Outdoor stranded loose tube, gel, non-armoured					
760259958	12	O-012-LN-8M-M-6-NS-19G-AP01	9	65 + 15%	2/4/6
760259959	24	O-024-LN-8M-M-6-NS-19G-AP01	9	65 + 15%	2/4/6
760259960	48	O-048-LN-8M-M-8-NS-19G-AP01	9	65 + 15%	2/4/6
760259961	60	O-060-LN-8M-M-12-NS-19G-AP01	9	65 + 15%	2/4/6
760259962	72	O-072-LN-8M-M-12-NS-19G-AP01	9	65 + 15%	2/4/6
760259963	96	O-096-LN-8M-M-12-NS-19G-AP01	10.5	85 + 15%	2/4/6
760259964	144	O-144-LN-8M-M-12-NS-19G-AP01	12.5	125 + 15%	2/4/6
760259965	288	O-288-LN-8M-M-12-NS-19G-AP01	15	175 + 15%	2/4/6
Outdoor stranded loose tube, gel, armoured					
760259974	12	O-012-LA-8M-M-6-NS-19G-AP01	10.5	105 + 15%	2/4/6
760259975	24	O-024-LA-8M-M-6-NS-19G-AP01	10.5	105 + 15%	2/4/6
760259976	48	O-048-LA-8M-M-8-NS-19G-AP01	10.5	105 + 15%	2/4/6
760259977	60	O-060-LA-8M-M-12-NS-19G-AP01	10.5	105 + 15%	2/4/6
760259979	72	O-072-LA-8M-M-12-NS-19G-AP01	10.5	105 + 15%	2/4/6
760259980	96	O-096-LA-8M-M-12-NS-19G-AP01	11.5	130 + 15%	2/4/6
760259981	144	O-144-LA-8M-M-12-NS-19G-AP01	14	185 + 15%	2/4/6
760259982	288	O-288-LA-8M-M-12-NS-19G-AP01	16.5	250 + 15%	2/4/6

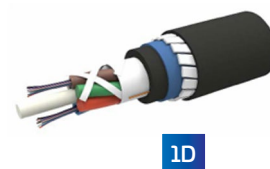
Note: All drums will be wooden or plywood drums.



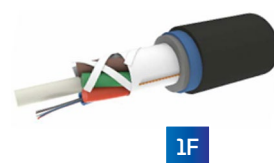
* Other colours available as per Description Key (page 5)

Outdoor cable—stranded loose tube*

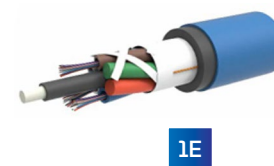
MID	Fiber Count	Cable Description	Cable Diameter (mm)	Cable Weight (Kg/Km)	Standard Length (kms)
Outdoor, anti-rodent, loose tube, gel, di-electric armour (FRP)					
760262193	6	O-006-LN-8F-M-12-NS-20G-PE-PA-GRPA-PE-AP01	13.8	165 ± 15%	2/4
760262194	12	O-012-LN-8F-M-12-NS-20G-PE-PA-GRPA-PE-AP01	13.8	165 ± 15%	2/4
760262195	24	O-024-LN-8F-M-12-NS-20G-PE-PA-GRPA-PE-AP01	13.8	165 ± 15%	2/4
760262196	48	O-048-LN-8F-M-12-NS-20G-PE-PA-GRPA-PE-AP01	13.8	170 ± 15%	2/4
760262197	72	O-072-LN-8F-M-12-NS-20G-PE-PA-GRPA-PE-AP01	13.8	170 ± 15%	2/4
760262853	96	O-096-LN-8F-M-12-NS-20G-PE-PA-GRPA-PE-AP01	15.5	200 ± 15%	2/4
760262854	144	O-144-LN-8F-M-12-NS-20G-PE-PA-GRPA-PE-AP01	18.5	280 ± 15%	2/4
Outdoor, anti-termite -multi tube, triple jacket, gel, non-armoured					
760262198	6	O-006-LN-8F-M-12-NS-19G-PE-PA-PE-AP01	10.9	90 ± 10 %	2/4/6
760262199	12	O-012-LN-8F-M-12-NS-19G-PE-PA-PE-AP01	10.9	90 ± 10 %	2/4/6
760262200	24	O-024-LN-8F-M-12-NS-19G-PE-PA-PE-AP01	10.9	90 ± 10 %	2/4/6
760262201	48	O-048-LN-8F-M-12-NS-19G-PE-PA-PE-AP01	10.9	90 ± 10 %	2/4/6
760262320	72	O-072-LN-8F-M-12-NS-19G-PE-PA-PE-AP01	10.9	90 ± 10 %	2/4/6
Outdoor, anti-termite -multi tube, double Jacket, gel, non-armoured					
760262301	6	O-006-LN-8F-M-12-NS-19G-PE-PA-AP01	8.9	60 ± 10 %	2/4/6
760262302	12	O-012-LN-8F-M-12-NS-19G-PE-PA-AP01	8.9	60 ± 10 %	2/4/6
760262303	24	O-024-LN-8F-M-12-NS-19G-PE-PA-AP01	8.9	60 ± 10 %	2/4/6
760262304	48	O-048-LN-8F-M-12-NS-19G-PE-PA-AP01	8.9	60 ± 10 %	2/4/6
760262862	72	O-072-LN-8F-M-12-NS-19G-PE-PA-AP01	8.9	61 ± 10 %	2/4/6
760262305	96	O-096-LN-8F-M-12-NS-19G-PE-PA-AP01	10.1	65 ± 10 %	2/4/6
760262315	144	O-144-LN-8F-M-12-NS-19G-PE-PA-AP01	12.6	120 ± 10 %	2/4/6
760262306	216	O-216-LN-8F-M-12-NS-19G-PE-PA-AP01	12.9	130 ± 10 %	2/4/6
760262307	288	O-288-LN-8F-M-12-NS-19G-PE-PA-AP01	14.6	170 ± 10 %	2/4/6



1D



1F

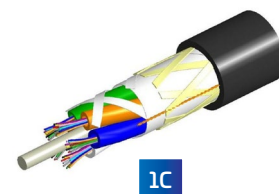


1E

* Other colours available as per Description Key (page 5)

ADSS cable—stranded loose tube*

MID	Fiber Count	Cable Description	Cable Diameter (mm)	Cable Weight (Kg/Km)	Standard Length (kms)
ADSS cables, outdoor stranded loose tube, gel, non-armoured (Span - 100 meters)					
760260135	12	S-012-LN-8M-M-12-NS-20G-AP01	10	70 + 15%	2/4/6
760260136	24	S-024-LN-8M-M-12-NS-20G-AP01	10	70 + 15%	2/4/6
760260137	48	S-048-LN-8M-M-12-NS-20G-AP01	10	70 + 15%	2/4/6
760260138	60	S-060-LN-8M-M-12-NS-20G-AP01	10	70 + 15%	2/4/6
760260032	72	S-072-LN-8M-M-12-NS-20G-AP01	10	70 + 15%	2/4/6
760260033	96	S-096-LN-8M-M-12-NS-20G-AP01	11	105 + 15%	2/4/6
760260034	144	S-144-LN-8M-M-12-NS-20G-AP01	14	150 + 15%	2/4/6
760260035	288	S-288-LN-8M-M-12-NS-20G-AP01	16.5	210 + 15%	2/4/6



ADSS cable, outdoor stranded loose tube, gel, double jacket, non-armoured (Span - 200 meters)					
760260039	12	S-012-L2-8M-M-12-NS-23G-AP01	13.2	125 + 15%	2/4/6
760260040	24	S-024-L2-8M-M-12-NS-23G-AP01	13.2	125 + 15%	2/4/6
760260041	48	S-048-L2-8M-M-12-NS-23G-AP01	13.2	125 + 15%	2/4/6
760260042	60	S-060-L2-8M-M-12-NS-23G-AP01	13.2	125 + 15%	2/4/6
760260043	72	S-072-L2-8M-M-12-NS-23G-AP01	13.2	125 + 15%	2/4/6
760260044	96	S-096-L2-8M-M-12-NS-20G-AP01	13.5	145 + 15%	2/4/6
760260045	144	S-144-L2-8M-M-12-NS-20G-AP01	15.8	195 + 15%	2/4/6
760260046	288	S-288-L2-8M-M-12-NS-20G-AP01	18.5	260 + 15%	2/4/6

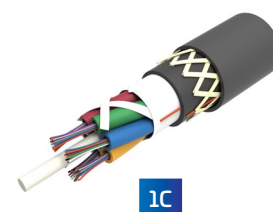
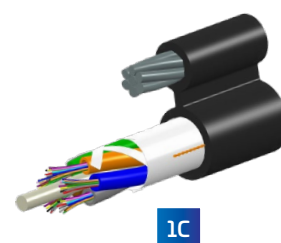


Fig 8 cables—stranded loose tube

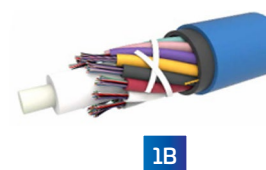
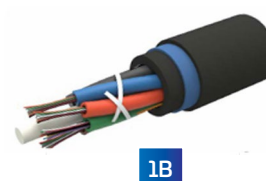
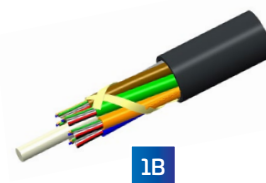
MID	Fiber Count	Cable Description	Cable Diameter (mm)	Cable Weight (Kg/Km)	Standard Length (kms)
Fig 8, outdoor stranded loose tube, gel, non-armoured					
760260019	12	M-012-LN-8M-M-6-NS-19G-AP01	10.0 x 16.3	115 + 15%	2/4/6
760260020	24	M-024-LN-8M-M-6-NS-19G-AP01	10.0 x 16.3	115 + 15%	2/4/6
760260021	48	M-048-LN-8M-M-8-NS-19G-AP01	10.0 x 16.3	115 + 15%	2/4/6
760260022	60	M-060-LN-8M-M-12-NS-19G-AP01	10.0 x 16.3	115 + 15%	2/4/6
760260023	72	M-072-LN-8M-M-12-NS-19G-AP01	10.0 x 16.3	115 + 15%	2/4/6
760260024	96	M-096-LN-8M-M-12-NS-19G-AP01	11.1 x 17.5	140 + 15%	2/4/6
760260025	144	M-144-LN-8M-M-12-NS-19G-AP01	13.8 x 20.2	195 + 15%	2/4/6
760260026	216	M-216-LN-8M-M-12-NS-19G-AP01	14.2 x 20.5	205 + 15%	2/4/6
760260027	288	M-288-LN-8M-M-12-NS-19G-AP01	15.8 x 22.1	250 + 15%	2/4/6



* Other colours available as per Description Key (page 5)

Blown cable, Mini loose tube, Stranded loose tube (mini cable—micro duct cable)*

MID	Fiber Count	Cable Description	Cable Diameter (mm)	Cable Weight (Kg/Km)	Standard Length (kms)
Air blown mini, outdoor stranded loose tube gel filled					
760260047	12	B-012-LN-8F-M-12-NS-15G-AP01	5.3 mm	22 + 15%	2/4/6
760260048	24	B-024-LN-8F-M-12-NS-15G-AP01	5.3 mm	22 + 15%	2/4/6
760260049	48	B-048-LN-8F-M-12-NS-15G-AP01	5.3 mm	22 + 15%	2/4/6
760260050	60	B-060-LN-8F-M-12-NS-15G-AP01	5.3 mm	22 + 15%	2/4/6
760260051	72	B-072-LN-8F-M-12-NS-15G-AP01	5.3 mm	25 + 15%	2/4/6
760260052	96	B-096-LN-8F-M-12-NS-15G-AP01	6.3 mm	40 + 15%	2/4/6
760260053	144	B-144-LN-8F-M-12-NS-15G-AP01	8.0 mm	65 + 15%	2/4/6
Outdoor, anti-termite -multi tube, triple jacket, gel, non-armoured, blown					
760252623	6	B-006-LN-8F-M-12-NS-15G-PE-PA-PE-AP01	7.3	52 ± 10 %	2/4/6
760252624	12	B-012-LN-8F-M-12-NS-15G-PE-PA-PE-AP01	7.3	52 ± 10 %	2/4/6
760252625	24	B-024-LN-8F-M-12-NS-15G-PE-PA-PE-AP01	7.3	52 ± 10 %	2/4/6
760252626	48	B-048-LN-8F-M-12-NS-15G-PE-PA-PE-AP01	7.3	52 ± 10 %	2/4/6
760252627	72	B-072-LN-8F-M-12-NS-15G-PE-PA-PE-AP01	7.3	52 ± 10 %	2/4/6
Outdoor, anti-termite -multi tube, double jacket, gel, non-armoured, blown					
760260057	6	B-006-LN-8F-M-12-NS-15G-PE-PA-AP01	6.3	35 ± 10 %	2/4/6
760260081	12	B-012-LN-8F-M-12-NS-15G-PE-PA-AP01	6.3	35 ± 10 %	2/4/6
760260089	24	B-024-LN-8F-M-12-NS-15G-PE-PA-AP01	6.3	35 ± 10 %	2/4/6
760262187	48	B-048-LN-8F-M-12-NS-15G-PE-PA-AP01	6.3	35 ± 10 %	2/4/6
760262188	72	B-072-LN-8F-M-12-NS-15G-PE-PA-AP01	6.3	35 ± 10 %	2/4/6
760262189	96	B-096-LN-8F-M-12-NS-15G-PE-PA-AP01	7.2	47 ± 10 %	2/4/6
760262190	144	B-144-LN-8F-M-12-NS-15G-PE-PA-AP01	9.2	72 ± 10 %	2/4/6
760262191	216	B-216-LN-8F-M-12-NS-15G-PE-PA-AP01	9.4	75 ± 10 %	2/4/6
760262192	288	B-288-LN-8F-M-12-NS-15G-PE-PA-AP01	10.8	100 ± 10 %	2/4/6



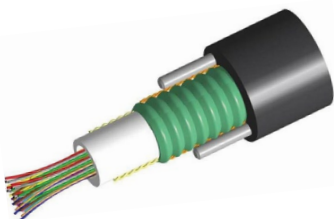
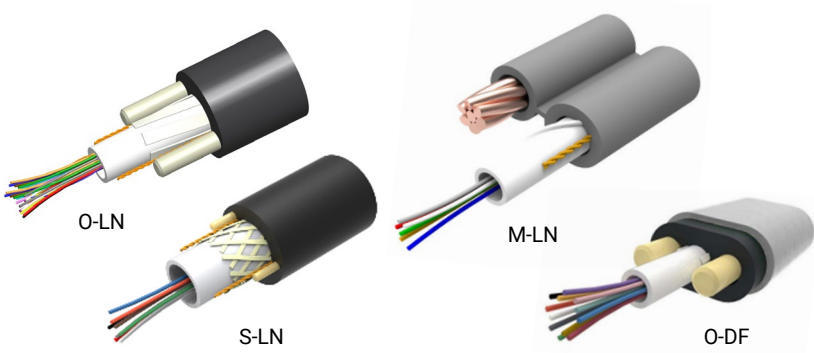
* Other colours available as per Description Key (page 5)

Outdoor cable—central loose tube*

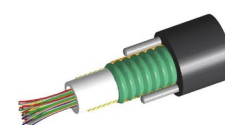
ORDERING INFORMATION

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

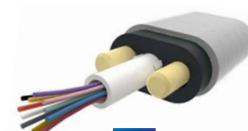
Overview outdoor central loose tube

	Armoured	Non-armoured
	O-LA: Gel-filled, CST armoured	O-LN, S-LN, M-LN, O-DF: gel-filled, non-armoured
Gel filled		
		B-CN: Gel-filled, non-armoured blowable micro cable 

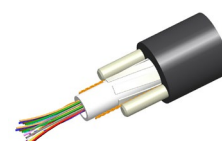
MID	Fiber Count	Cable Description	Cable Diameter (mm)	Cable Weight (Kg/Km)	Standard Length (kms)
Outdoor central loose tube gel-filled, armoured					
760260015	6	O-006-LA-8M-M-06-NS-25G-AP01	8.5 mm	78 + 15%	2/4/6
760260016	12	O-012-LA-8M-M-12-NS-25G-AP01	8.5 mm	78 + 15%	2/4/6
760260017	24	O-024-LA-8M-M-24-NS-28G-AP01	8.7 mm	82 + 15%	2/4/6
760260018	48	O-048-LA-8M-M-48-NS-40G-AP01	10.0 mm	105 + 15%	2/4/6
Outdoor, loose tube, gel-filled, anti-termite, feeder cable					
760262863	12	O-012-DF-8M-M-NY-GY	5.2 x 8.4	60 + 15%	2/4/6
760262864	24	O-024-DF-8M-M-NY-GY	5.2 x 8.4	60 + 15%	2/4/6
Outdoor central loose tube gel-filled, non-armoured					
760260007	6	O-006-LN-8M-M-06-NS-22G-AP01	7.2 mm	40 + 15%	2/4/6
760260008	12	O-012-LN-8M-M-12-NS-22G-AP01	7.2 mm	40 + 15%	2/4/6
760260009	24	O-024-LN-8M-M-24-NS-28G-AP01	7.7 mm	45 + 15%	2/4/6
760260010	48	O-048-LN-8M-M-48-NS-40G-AP01	9.0 mm	70 + 15%	2/4/6



1D



1D

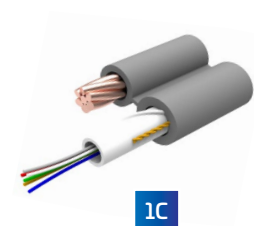


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* Other colours available as per Description Key (page 5)

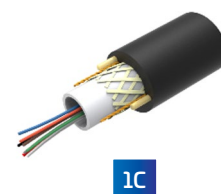
Fig 8 cables—central loose tube*

MID	Fiber Count	Cable Description	Cable Diameter (mm)	Cable Weight (Kg/Km)	Standard Length (kms)
Outdoor fig-8 central loose tube gel-filled, non-armoured					
760260131	6	M-006-LN-8M-M-06-NS-25G-AP01	7.0 x 13.0	75 + 15%	2/4/6
760260132	12	M-012-LN-8M-M-12-NS-25G-AP01	7.0 x 13.0	75 + 15%	2/4/6
760260133	24	M-024-LN-8M-M-24-NS-28G-AP01	7.0 x 13.0	75 + 15%	2/4/6
760260134	48	M-048-LN-8M-M-48-NS-40G-AP01	8.0 X 14.5	90 + 15%	2/4/6



ADSS cable—central loose tube

MID	Fiber Count	Cable Description	Cable Diameter (mm)	Cable Weight (Kg/Km)	Standard Length (kms)
ADSS cables, outdoor central loose tube, gel, non-armoured					
760260036	6	S-006-LN-8M-M-06-NS-25G-AP01	7.3	40 + 15%	2/4/6
760260037	12	S-012-LN-8M-M-12-NS-28G-AP01	7.6	45 + 15%	2/4/6
760260038	24	S-024-LN-8M-M-24-NS-40G-AP01	8.8	60 + 15%	2/4/6



Blown cable—central loose tube (micro cable—micro duct)

MID	Fiber Count	Cable Description	Cable Diameter (mm)	Cable Weight (Kg/Km)	Standard Length (kms)
Air blown micro, central loose tube cable, gel, non-armoured					
810010142/DB	2	B-002-CN-8W-M02BK/20G	2.5	6 + 10%	2/4/6
810010143/DB	4	B-004-CN-8W-M02BK/20G	2.5	6 + 10%	2/4/6
810010144/DB	6	B-006-CN-8W-M02BK/20G	2.5	6 + 10%	2/4/6
810010145/DB	8	B-008-CN-12W-M02BK/20G	2.5	6 + 10%	2/4/6
810010146/DB	12	B-012-CN-24W-M02BK/20G	2.5	7 + 10%	2/4/6



* Other colours available as per Description Key (page 5)

Indoor/outdoor cables

Indoor/outdoor cables are designed to be used both outdoors and to enter buildings without the need of any transition point or additional splicing.

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

- Stranded loose tube
- Central tube

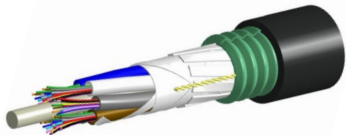
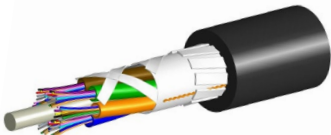
Indoor/outdoor cables—stranded loose tube

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 armoured as mentioned below.

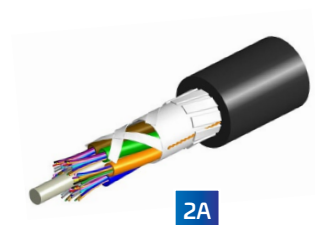
For a robust cable that provides a higher tensile performance and rodent protection, the high tensile strength cables are available.

Overview indoor/outdoor stranded loose tube

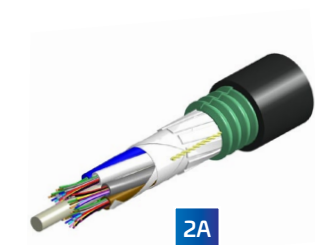
	Armoured	Non-armoured
	Q-LA: Gel-filled, CST armoured cable	I-LN: Gel-filled, non-armoured cable
Gel filled		

Indoor/outdoor cables—stranded loose tube*

MID	Fiber Count	Cable Description	Cable Diameter (mm)	Cable Weight (Kg/Km)	Standard Length (kms)
Indoor/outdoor stranded loose tube, gel, non-armoured					
760259983	12	I-012-LN-8M-M-6-NS-19G-AP01	9	90 + 15%	2/4/6
760259984	24	I-024-LN-8M-M-6-NS-19G-AP01	9	90 + 15%	2/4/6
760259985	48	I-048-LN-8M-M-8-NS-19G-AP01	9	90 + 15%	2/4/6
760259986	60	I-060-LN-8M-M-12-NS-19G-AP01	9	90 + 15%	2/4/6
760259987	72	I-072-LN-8M-M-12-NS-19G-AP01	9	90 + 15%	2/4/6
760259988	96	I-096-LN-8M-M-12-NS-19G-AP01	10.5	115 + 15%	2/4/6
760259989	144	I-144-LN-8M-M-12-NS-19G-AP01	12.5	170 + 15%	2/4/6
760259990	288	I-288-LN-8M-M-12-NS-19G-AP01	15	220 + 15%	2/4/6



Indoor/outdoor stranded loose tube, gel, CST armoured					
760260123	12	Q-12-LA-8M-M-12-NS-19G-AP01	10.5	140 + 15%	2/4/6
760260124	24	Q-24-LA-8M-M-12-NS-19G-AP01	10.5	140 + 15%	2/4/6
760260125	48	Q-48-LA-8M-M-12-NS-19G-AP01	10.5	140 + 15%	2/4/6
760260126	60	Q-060-LA-8M-M-12-NS-19G-AP01	10.5	140 + 15%	2/4/6
760260127	72	Q-072-LA-8M-M-12-NS-19G-AP01	10.5	140 + 15%	2/4/6
760260128	96	Q-096-LA-8M-M-12-NS-19G-AP01	11.5	165 + 15%	2/4/6
760260129	144	Q-144-LA-8M-M-12-NS-19G-AP01	14	240 + 15%	2/4/6
760260130	288	Q-288-LN-8M-M-12-NS-19G-AP01	16.5	315 + 15%	2/4/6



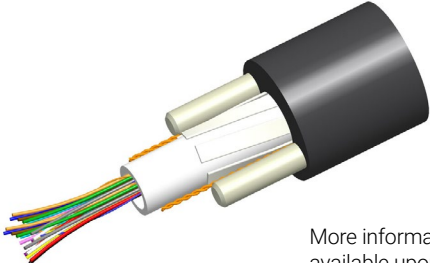
* Other colours available as per Description Key (page 5)

Indoor/outdoor cables—central loose tube*

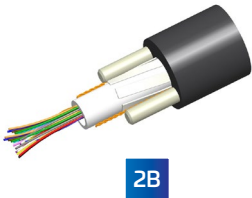
ORDERING INFORMATION

The CommScope LSZH all-dielectric indoor/outdoor are designed to deliver the performance required for installation in indoor and outside plant environments. The central tube design, utilising 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 requirements allow.

Overview indoor/outdoor central loose tube

	Non-armoured
	C-LN: Gel-filled, non-armoured
Gel filled	 More information available upon request.

MID	Fiber Count	Cable Description	Cable Diameter (mm)	Cable Weight (Kg/Km)	Standard Length (kms)
Indoor/outdoor central loose tube, gel, non-armoured					
760260011	6	C-006-LN-8M-M-06-NS-22D-AP01	7.2	60 + 15%	2/4/6
760260012	12	C-012-LN-8M-M-12-NS-22D-AP01	7.2	60 + 15%	2/4/6
760260013	24	C-024-LN-8M-M-24-NS-28D-AP01	7.7	70 + 15%	2/4/6
760260014	48	C-048-LN-8M-M-48-NS-40D-AP01	9	90 + 15%	2/4/6



* Other colours available as per Description Key (page 5)

Fibre cable colour chart

OPTICAL FIBRE COLOUR CODE—TIA/EIA 598	
Fibre 1	Blue
Fibre 2	Orange
Fibre 3	Green
Fibre 4	Brown
Fibre 5	Slate
Fibre 6	White
Fibre 7	Red
Fibre 8	Black
Fibre 9	Yellow
Fibre 10	Violet
Fibre 11	Rose
Fibre 12	Aqua

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

STANDARD FIBRE CABLE JACKET COLOUR CODE*			
Application	Fibre type	Jacket colour	
Indoor/outdoor—with UV protection	All	Black	
Outdoor (OSP)—with UV protection	All	Black	

* Other colours available as per Description Key (page 5)

