

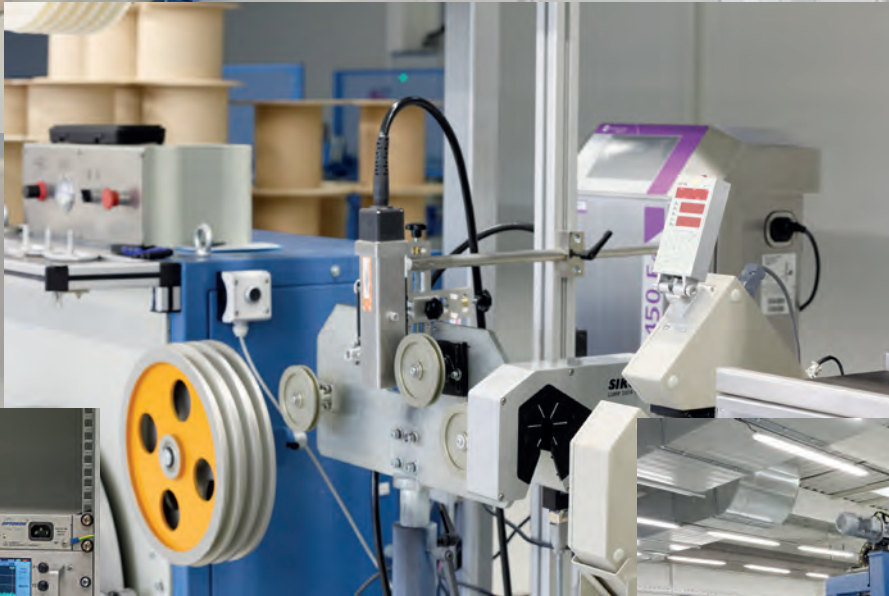


**STECMAX**®

EUROPEAN FIBER OPTIC CABLES



Our production is based on the most advanced scientific and technical knowledge and all the production processes meet the most demanding criteria. All input materials (and semi-finished products) are chosen with care and thoroughly tested before production implementation. Each product is continuously tested and controlled in all production phases. This ensures the highest quality and competitiveness of all our products.





- The cable structures designed for the FTTx Networks Construction were included in the STECMAX Kable production program in cooperation with STECMAX's technical department.

These are cables of the following categories:

- Backbone Network
- Last Mile Installations
- Indoor Installations

# FTTx - Backbone Network

## Outdoor Multi-tube Micro Cable

- Cable for external installation by air-blowing technique

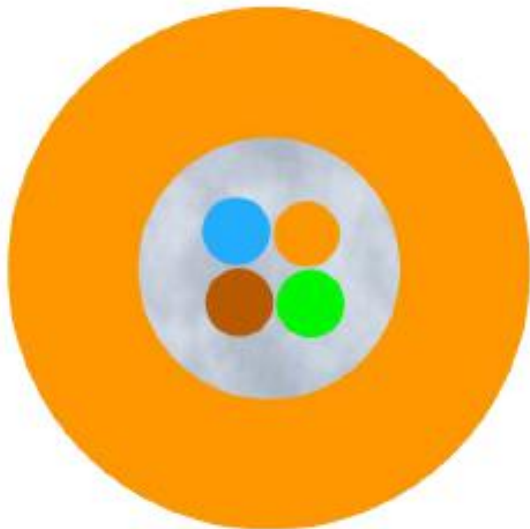
Fiber count	up to 144
Fiber Type	G.652.D, G.657.A1, G.657.A2
Fiber color	Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Aqua
Tube	Gel-Filled PBT buffer tube
Tube color	Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Aqua
Filling compound	Thixotropic Jelly Compound
Strength member	FRP strength member (PE coating if necessary)
Ripcord	1x under outer jacket
Outer jacket	UV resistant black HDPE



# FTTx – Last Mile Instalation

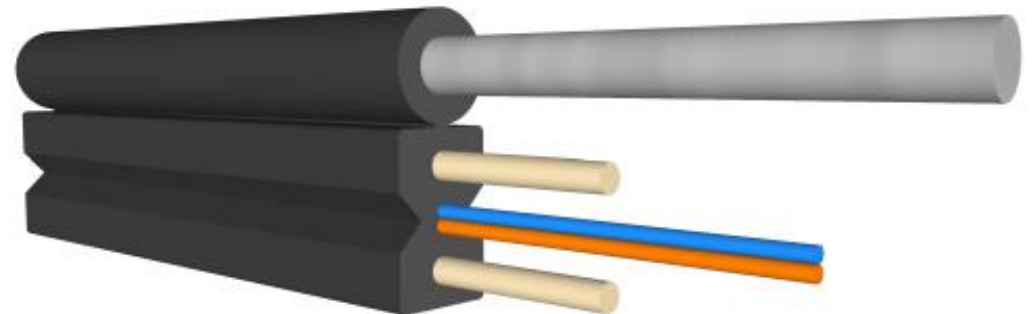
- **Air Blown Micro Cable**

- Lightweight cable with a hard and smooth surface, suitable for installation by blowing technique
- Air Blown Micro Cable 1,6 mm
- Air Blown Micro Cable 2,0 mm



- **FTTx Flat Aerial Drop Cable**

- Easy-strippable Access Cable for aerial installation. It is suitable for indoor or outdoor applications.



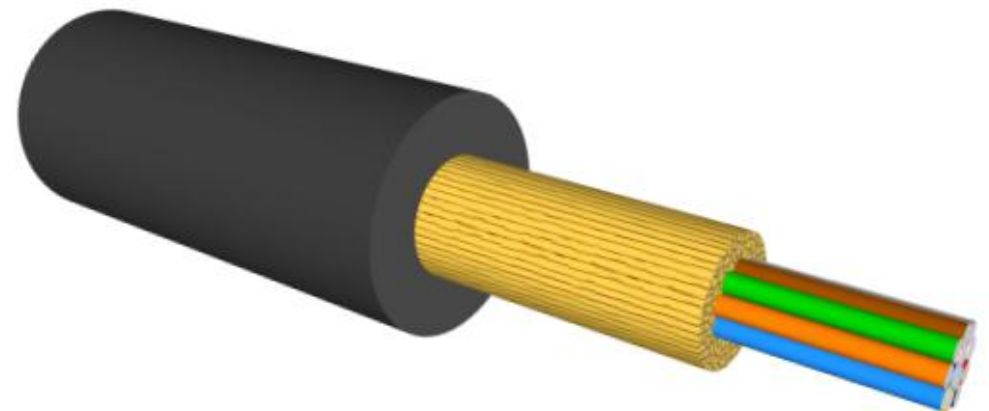
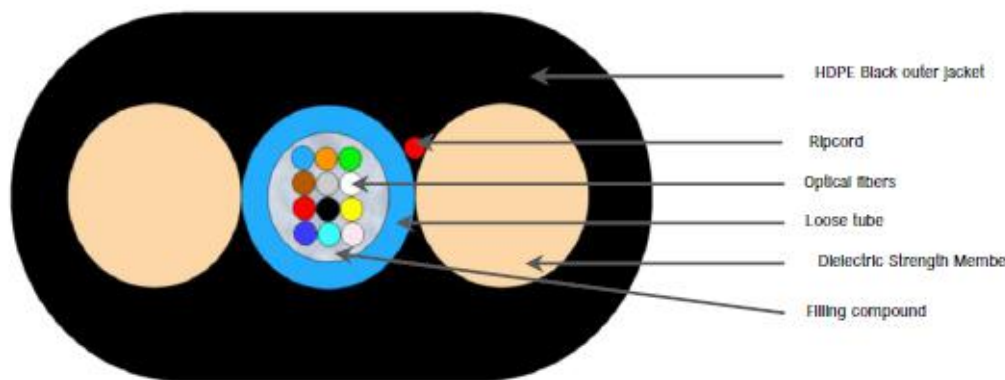
# FTTx – Last Mile Instalation

- **ADSS Flat Cable**

The cable is suitable for aerial use, due to its high crush resistance is also suitable for direct burial installation into sand bed.

- **FTTx Universal Cable**

The cable is suitable for indoor or outdoor use. Cable is for a wide range of applications in FTTx networks. The cable can be used as self-supporting

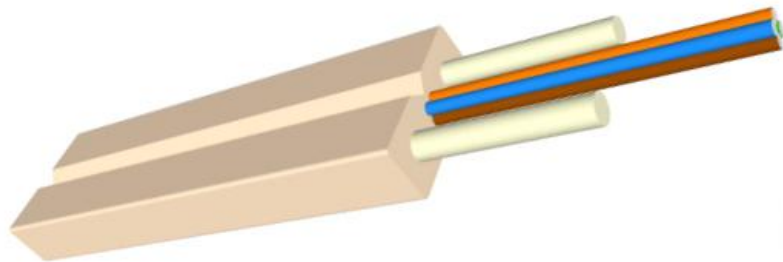


# FTTx - Indoor Installations

- **FTTx Flat Drop Cable**

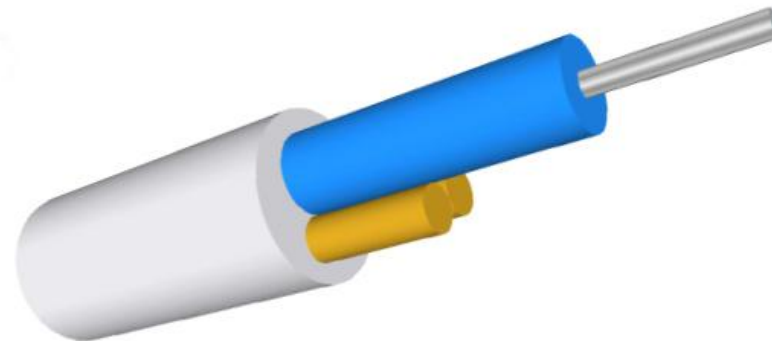
- Easy-strippable Access Cable for simple Installation

Fiber count 1, 2,4  
Fiber Type G657.A1, G.657.A2  
Fiber color Blue, Orange, Green, Brown  
Sheath color White (other colors available on request)



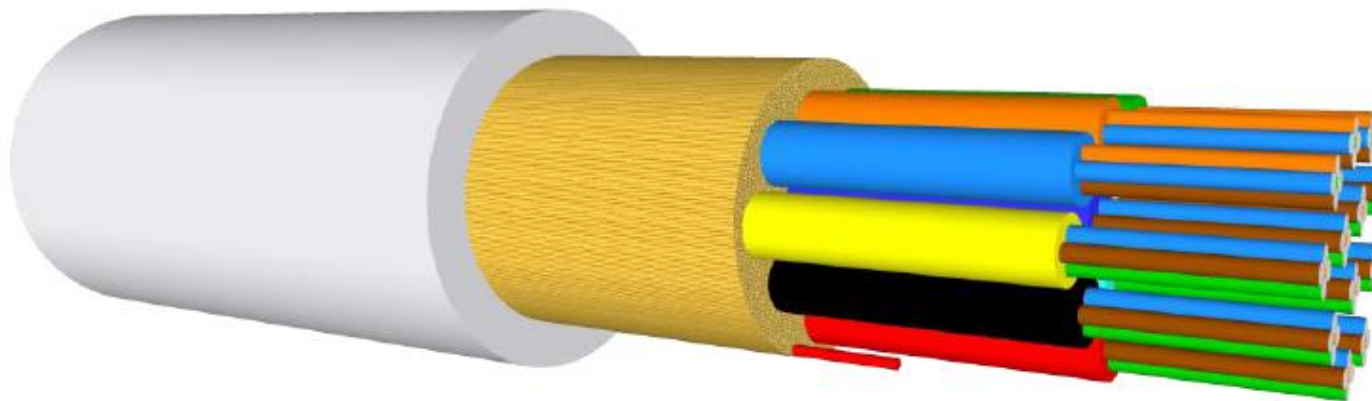
- **Pushable Drop Cable**

- The cable is suitable for indoor or outdoor use. Cable is lightweight with higher stiffness and minimized diameter for using a wide range of applications in FTTx network cable is suitable for installation by pushing.



# FTTx - Indoor Installations

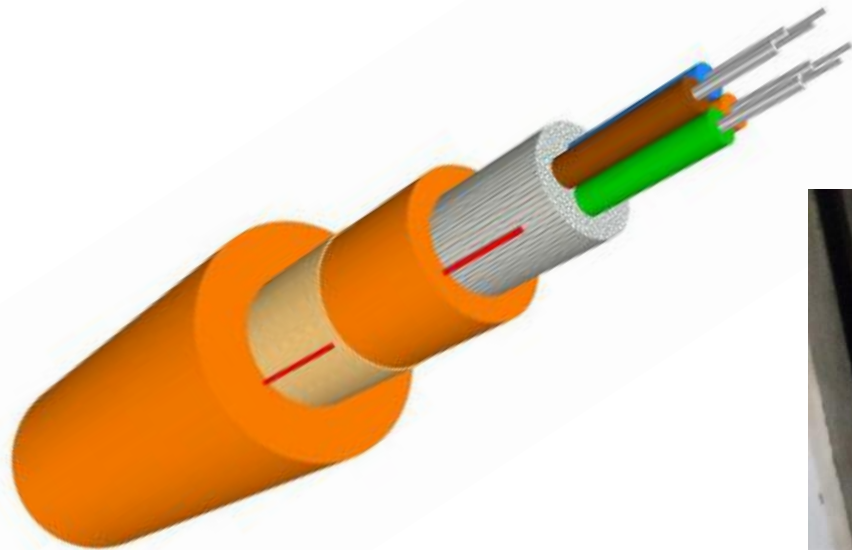
- **Premise Distribution Cable**
- Cable is lightweight, sub-unitized with high count of fibers in small diameter for using in data centres
- Fiber count 12, 16, 24, 36, 48
- Fiber Type G.657.A1, G.657.A2
- Fiber color Blue, Orange, Green, Brown
- CFU color Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Aqua
- Sheath color White (other colors available on request)





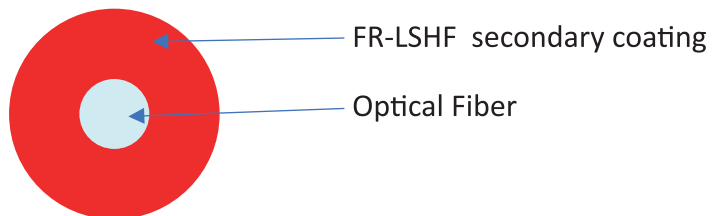
# Our special product

## Fire Resistant Distribution Cable



DESCRIPTION:  
For Indoor cabling; pigtails.

## Tight Buffer



	Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SINGLEMODE	SM- I-TBTM-1(1x0,6)FFH-D- <u>cc</u>	G.652.D	0.6	1	0.4
	SM- I- TBTM-1(1x0,6)FFH-DA1- <u>cc</u>	G.652.D/G.657.A1	0.6	1	0.4
	SM- I-TBTM-1(1x0,6)FFH-A1- <u>cc</u>	G.657.A1	0.6	1	0.4
	SM- I- TBTM-1(1x0,6)FFH-A2- <u>cc</u>	G.657.A2	0.6	1	0.4
	SM- I- TBTM-1(1x0,6)FFH-B3- <u>cc</u>	G.657.B3	0.6	1	0.4
MULTIMODE	SM- I- TBTM-1(1x0,6)FFH-OM1- <u>cc</u>	OM1	0.6	1	0.4
	SM- I- TBTM-1(1x0,6)FFH-OM2- <u>cc</u>	OM2	0.6	1	0.4
	SM- I- TBTM-1(1x0,6)FFH-OM3- <u>cc</u>	OM3	0.6	1	0.4
	SM- I- TBTM-1(1x0,6)FFH-OM4- <u>cc</u>	OM4	0.6	1	0.4

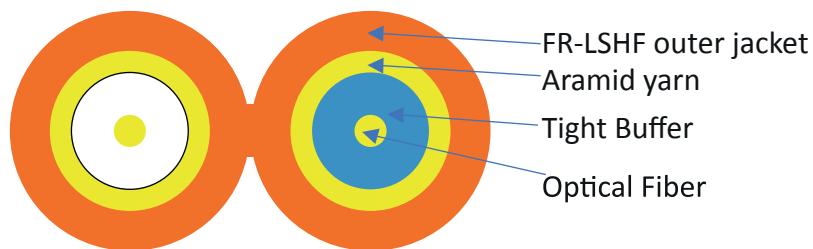
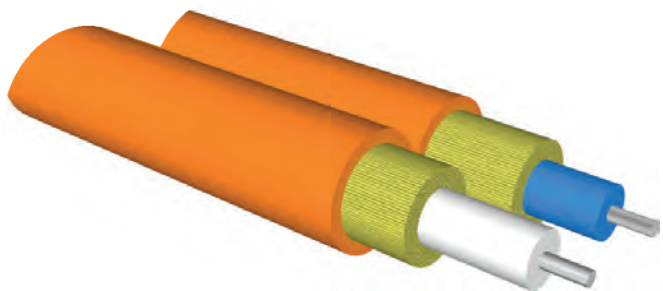
SINGLEMODE	SM- I-TBxM-1(1x0,9)FFH-D- <u>cc</u>	G.652.D	0.9	1	0.9
	SM- I-TBxM-1(1x0,9)FFH-DA1- <u>cc</u>	G.652.D/G.657.A1	0.9	1	0.9
	SM- I-TBxM-1(1x0,9)FFH-A1- <u>cc</u>	G.657.A1	0.9	1	0.9
	SM- I-TBxM-1(1x0,9)FFH-A2- <u>cc</u>	G.657.A2	0.9	1	0.9
	SM- I-TBxM-1(1x0,9)FFH-B3- <u>cc</u>	G.657.B3	0.9	1	0.9
MULTIMODE	SM- I-TBxM-1(1x0,9)FFH-OM1- <u>cc</u>	OM1	0.9	1	0.9
	SM- I-TBxM-1(1x0,9)FFH-OM2- <u>cc</u>	OM2	0.9	1	0.9
	SM- I-TBxM-1(1x0,9)FFH-OM3- <u>cc</u>	OM3	0.9	1	0.9
	SM- I-TBxM-1(1x0,9)FFH-OM4- <u>cc</u>	OM4	0.9	1	0.9

cc – buffer color:  
Fiber color natur. Other color available on request.

x – stripability of the secondary coating (T-Tight, F-Free)

**DESCRIPTION:**

The cable consists of two separate tight buffered fibres and around each buffer is a layer of aramid yarns that act as tensile strength members; the jacket is made from the FR-LSHF compound. Ideal for direct termination with connectors; suitable for the interconnections in buildings and movable connect lines using patch cords.



# Zip Cord Cable 1,6 mm

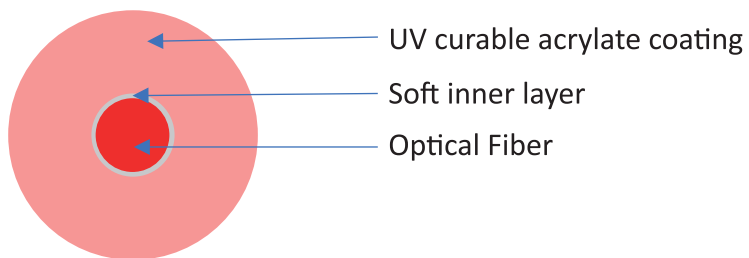
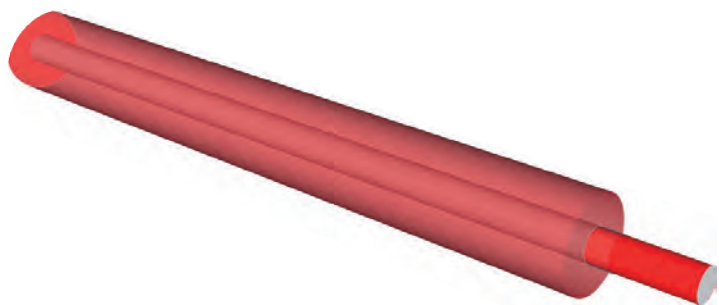
# Zip Cord Cable 1,8 mm

# Zip Cord Cable 2,0 mm

	Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km	
SINGLEMODE	SM -I-DXZ-2(2×1,6)T6AH-D-YE	G.652.D	1.6	2	5.0	
	SM -I-DXZ-2(2×1,6)T6AH-DA1-YE	G.652.D/G.657.A1	1.6	2	5.0	
	SM -I-DXZ-2(2×1,6)T6AH-A1-YE	G.657.A1	1.6	2	5.0	
	SM -I-DXZ-2(2×1,6)T6AH-A2-YE	G.657.A2	1.6	2	5.0	
	SM -I-DXZ-2(2×1,6)T6AH-B3-YE	G.657.B3	1.6	2	5.0	
	SM -I-DXZ-2(2×1,6)T6AH-OM1-OG	OM1	1.6	2	5.0	
	SM -I-DXZ-2(2×1,6)T6AH-OM2-OG	OM2	1.6	2	5.0	
	SM -I-DXZ-2(2×1,6)T6AH-OM3-TQ	OM3	1.6	2	5.0	
	SM -I-DXZ-2(2×1,6)T6AH-OM4-TQ	OM4	1.6	2	5.0	
MULTIMODE	SM -I-DXZ-2(2×1,6)T6AH-OM1-OG	OM1	1.6	2	5.0	
	SM -I-DXZ-2(2×1,6)T6AH-OM2-OG	OM2	1.6	2	5.0	
	SM -I-DXZ-2(2×1,6)T6AH-OM3-TQ	OM3	1.6	2	5.0	
	SM -I-DXZ-2(2×1,6)T6AH-OM4-TQ	OM4	1.6	2	5.0	
	SINGLEMODE	SM -I-DXZ-2(2×1,8)x9AH-D-YE	G.652.D	1.8	2	7.0
		SM -I-DXZ-2(2×1,8)x9AH-DA1-YE	G.652.D/G.657.A1	1.8	2	7.0
		SM -I-DXZ-2(2×1,8)x9AH-A1-YE	G.657.A1	1.8	2	7.0
		SM -I-DXZ-2(2×1,8)x9AH-A2-YE	G.657.A2	1.8	2	7.0
		SM -I-DXZ-2(2×1,8)x9AH-B3-YE	G.657.B3	1.8	2	7.0
SM -I-DXZ-2(2×1,8)x9AH-OM1-OG		OM1	1.8	2	7.0	
SM -I-DXZ-2(2×1,8)x9AH-OM2-OG		OM2	1.8	2	7.0	
SM -I-DXZ-2(2×1,8)x9AH-OM3-TQ		OM3	1.8	2	7.0	
SM -I-DXZ-2(2×1,8)x9AH-OM4-TQ		OM4	1.8	2	7.0	
MULTIMODE	SM -I-DXZ-2(2×1,8)x9AH-OM1-OG	OM1	1.8	2	7.0	
	SM -I-DXZ-2(2×1,8)x9AH-OM2-OG	OM2	1.8	2	7.0	
	SM -I-DXZ-2(2×1,8)x9AH-OM3-TQ	OM3	1.8	2	7.0	
	SM -I-DXZ-2(2×1,8)x9AH-OM4-TQ	OM4	1.8	2	7.0	
	SINGLEMODE	SM -I-DXZ-2(2×2,0)x9AH-D-YE	G.652.D	2.0	2	9.0
		SM -I-DXZ-2(2×2,0)x9AH-DA1-YE	G.652.D/G.657.A1	2.0	2	9.0
		SM -I-DXZ-2(2×2,0)x9AH-A1-YE	G.657.A1	2.0	2	9.0
		SM -I-DXZ-2(2×2,0)x9AH-A2-YE	G.657.A2	2.0	2	9.0
		SM -I-DXZ-2(2×2,0)x9AH-B3-YE	G.657.B3	2.0	2	9.0
SM -I-DXZ-2(2×2,0)x9AH-OM1-OG		OM1	2.0	2	9.0	
SM -I-DXZ-2(2×2,0)x9AH-OM2-OG		OM2	2.0	2	9.0	
SM -I-DXZ-2(2×2,0)x9AH-OM3-TQ		OM3	2.0	2	9.0	
SM -I-DXZ-2(2×2,0)x9AH-OM4-TQ		OM4	2.0	2	9.0	
MULTIMODE	SM -I-DXZ-2(2×2,0)x9AH-OM1-OG	OM1	2.0	2	9.0	
	SM -I-DXZ-2(2×2,0)x9AH-OM2-OG	OM2	2.0	2	9.0	
	SM -I-DXZ-2(2×2,0)x9AH-OM3-TQ	OM3	2.0	2	9.0	
	SM -I-DXZ-2(2×2,0)x9AH-OM4-TQ	OM4	2.0	2	9.0	

DESCRIPTION:

Ruggedized secondary coating; for indoor and outdoor cabling; pigtails.



# Ruggedized Tight Buffer

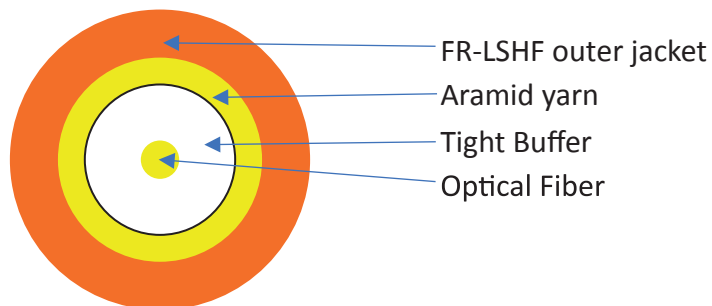
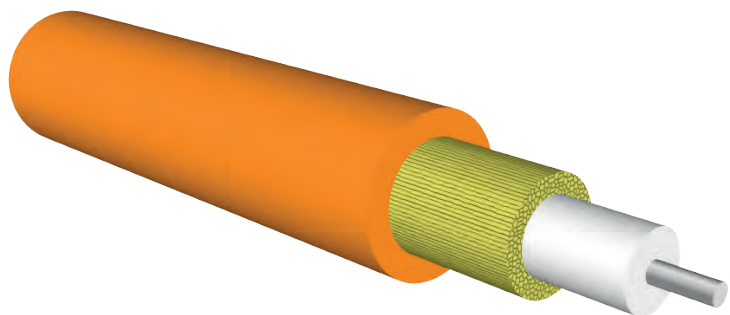
	Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SINGLEMODE	SM-O-T BSR-1(1x0,6)FFQ -D- <u>cc</u>	G.652.D	0.6	1	0.7
	SM-O-T BSR-1(1x0,6)FFQ -DA1- <u>cc</u>	G.652.D/G.657.A1	0.6	1	0.7
	SM-O-T BSR-1(1x0,6)FFQ -A1- <u>cc</u>	G.657.A1	0.6	1	0.7
	SM-O-T BSR-1(1x0,6)FFQ -A2- <u>cc</u>	G.657.A2	0.6	1	0.7
	SM-O-T BSR-1(1x0,6)FFQ -B3- <u>cc</u>	G.657.B3	0.6	1	0.7
MULTIMODE	SM-O-T BSR-1(1x0,6)FFQ -OM1- <u>cc</u>	OM1	0.6	1	0.7
	SM-O-T BSR-1(1x0,6)FFQ -OM2- <u>cc</u>	OM2	0.6	1	0.7
	SM-O-T BSR-1(1x0,6)FFQ -OM3- <u>cc</u>	OM3	0.6	1	0.7
	SM-O-T BSR-1(1x0,6)FFQ -OM4- <u>cc</u>	OM4	0.6	1	0.7

SINGLEMODE	SM-O-T BSR-1(1x0,9)FFQ -D- <u>cc</u>	G.652.D	0.9	1	0.8
	SM-O-T BSR-1(1x0,9)FFQ -DA1- <u>cc</u>	G.652.D/G.657.A1	0.9	1	0.8
	SM-O-T BSR-1(1x0,9)FFQ -A1- <u>cc</u>	G.657.A1	0.9	1	0.8
	SM-O-T BSR-1(1x0,9)FFQ -A2- <u>cc</u>	G.657.A2	0.9	1	0.8
	SM-O-T BSR-1(1x0,9)FFQ -B3- <u>cc</u>	G.657.B3	0.9	1	0.8
MULTIMODE	SM-O-T BSR-1(1x0,9)FFQ -OM1- <u>cc</u>	OM1	0.9	1	0.8
	SM-O-T BSR-1(1x0,9)FFQ -OM2- <u>cc</u>	OM2	0.9	1	0.8
	SM-O-T BSR-1(1x0,9)FFQ -OM3- <u>cc</u>	OM3	0.9	1	0.8
	SM-O-T BSR-1(1x0,9)FFQ -OM4- <u>cc</u>	OM4	0.9	1	0.8

cc – buffer color:

**DESCRIPTION:**

The cable consists of one tight buffered fibre; around the buffer is a layer of aramid yarns that act as tensile strength members; the jacket is made from the FR-LSHF compound. Ideal for direct termination with connectors; suitable for the interconnections in buildings and movable connect lines using patch cords.



# Simplex Cable 1,6 mm

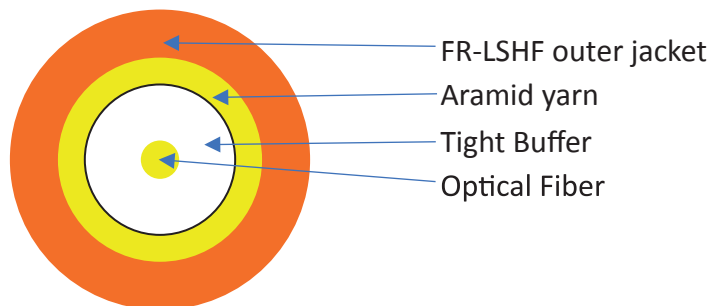
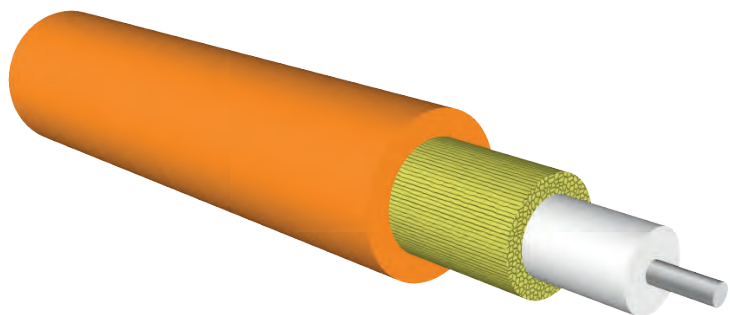
## Simplex Cable 1,7 mm

## Simplex Cable 1,8 mm

	Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km	
SINGLEMODE	SM-I-SX-1(1x1,6)T6AH-D-YE	G.652.D	1.6	1	2.4	
	SM-I-SX-1(1x1,6)T6AH-DA1-YE	G.652.D/G.657.A1	1.6	1	2.4	
	SM-I-SX-1(1x1,6)T6AH-A1-YE	G.657.A1	1.6	1	2.4	
	SM-I-SX-1(1x1,6)T6AH-A2-YE	G.657.A2	1.6	1	2.4	
	SM-I-SX-1(1x1,6)T6AH-B3-YE	G.657.B3	1.6	1	2.4	
	SM-I-SX-1(1x1,6)T6AH-OM1-OG	OM1	1.6	1	2.4	
	SM-I-SX-1(1x1,6)T6AH-OM2-OG	OM2	1.6	1	2.4	
	SM-I-SX-1(1x1,6)T6AH-OM3-TQ	OM3	1.6	1	2.4	
	SM-I-SX-1(1x1,6)T6AH-OM4-TQ	OM4	1.6	1	2.4	
MULTIMODE	SM-I-SX-1(1x1,6)T6AH-OM1-OG	OM1	1.6	1	2.4	
	SM-I-SX-1(1x1,6)T6AH-OM2-OG	OM2	1.6	1	2.4	
	SM-I-SX-1(1x1,6)T6AH-OM3-TQ	OM3	1.6	1	2.4	
	SM-I-SX-1(1x1,6)T6AH-OM4-TQ	OM4	1.6	1	2.4	
	SINGLEMODE	SM-I-SX-1(1x1,7)x9AH-D-YE	G.652.D	1.7	1	3.2
		SM-I-SX-1(1x1,7)x9AH-DA1-YE	G.652.D/G.657.A1	1.7	1	3.2
		SM-I-SX-1(1x1,7)x9AH-A1-YE	G.657.A1	1.7	1	3.2
		SM-I-SX-1(1x1,7)x9AH-A2-YE	G.657.A2	1.7	1	3.2
		SM-I-SX-1(1x1,7)x9AH-B3-YE	G.657.B3	1.7	1	3.2
SM-I-SX-1(1x1,7)x9AH-OM1-OG		OM1	1.7	1	3.2	
SM-I-SX-1(1x1,7)x9AH-OM2-OG		OM2	1.7	1	3.2	
SM-I-SX-1(1x1,7)x9AH-OM3-TQ		OM3	1.7	1	3.2	
SM-I-SX-1(1x1,7)x9AH-OM4-TQ		OM4	1.7	1	3.2	
MULTIMODE	SM-I-SX-1(1x1,7)x9AH-OM1-OG	OM1	1.7	1	3.2	
	SM-I-SX-1(1x1,7)x9AH-OM2-OG	OM2	1.7	1	3.2	
	SM-I-SX-1(1x1,7)x9AH-OM3-TQ	OM3	1.7	1	3.2	
	SM-I-SX-1(1x1,7)x9AH-OM4-TQ	OM4	1.7	1	3.2	
	SINGLEMODE	SM-I-SX-1(1x1,8)x9AH-D-YE	G.652.D	1.8	1	3.6
		SM-I-SX-1(1x1,8)x9AH-DA1-YE	G.652.D/G.657.A1	1.8	1	3.6
		SM-I-SX-1(1x1,8)x9AH-A1-YE	G.657.A1	1.8	1	3.6
		SM-I-SX-1(1x1,8)x9AH-A2-YE	G.657.A2	1.8	1	3.6
		SM-I-SX-1(1x1,8)x9AH-B3-YE	G.657.B3	1.8	1	3.6
SM-I-SX-1(1x1,8)x9AH-OM1-OG		OM1	1.8	1	3.6	
SM-I-SX-1(1x1,8)x9AH-OM2-OG		OM2	1.8	1	3.6	
SM-I-SX-1(1x1,8)x9AH-OM3-TQ		OM3	1.8	1	3.6	
SM-I-SX-1(1x1,8)x9AH-OM4-TQ		OM4	1.8	1	3.6	
MULTIMODE	SM-I-SX-1(1x1,8)x9AH-OM1-OG	OM1	1.8	1	3.6	
	SM-I-SX-1(1x1,8)x9AH-OM2-OG	OM2	1.8	1	3.6	
	SM-I-SX-1(1x1,8)x9AH-OM3-TQ	OM3	1.8	1	3.6	
	SM-I-SX-1(1x1,8)x9AH-OM4-TQ	OM4	1.8	1	3.6	

**DESCRIPTION:**

The cable consists of one tight buffered fibre; around the buffer is a layer of aramid yarns that act as tensile strength members; the jacket is made from the FR-LSHF compound. Ideal for direct termination with connectors; suitable for the interconnections in buildings and movable connect lines using patch cords.



# Simplex Cable 2,0 mm

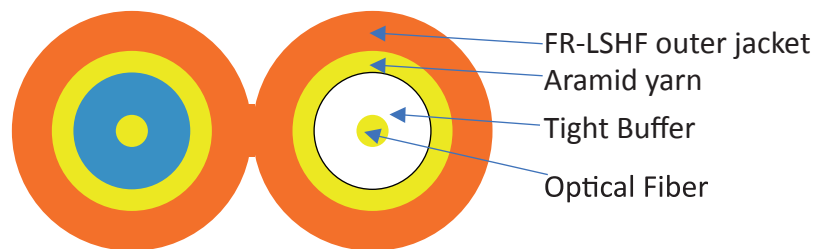
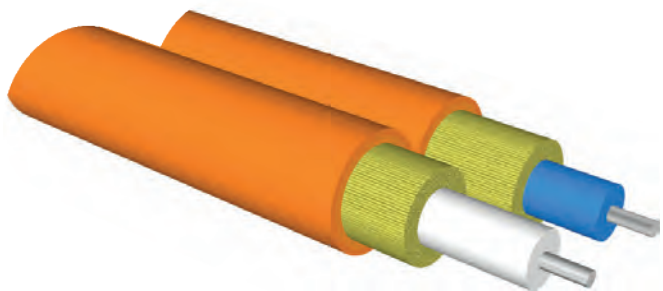
## Simplex Cable 2,4 mm

## Simplex Cable 2,8 mm

	Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SINGLEMODE MULTIMODE	SM -I-SX-1(1x2,0)x9AH-D-YE	G.652.D	2.0	1	4,5
	SM -I-SX-1(1x2,0)x9AH-DA1-YE	G.652.D/G.657.A1	2.0	1	4,5
	SM -I-SX-1(1x2,0)x9AH-A1-YE	G.657.A1	2.0	1	4,5
	SM -I-SX-1(1x2,0)x9AH-A2-YE	G.657.A2	2.0	1	4,5
	SM -I-SX-1(1x2,0)x9AH-B3-YE	G.657.B3	2.0	1	4,5
	SM -I-SX-1(1x2,0)x9AH-OM1-OG	OM1	2.0	1	4,5
	SM -I-SX-1(1x2,0)x9AH-OM2-OG	OM2	2.0	1	4,5
	SM -I-SX-1(1x2,0)x9AH-OM3-TQ	OM3	2.0	1	4,5
	SM -I-SX-1(1x2,0)x9AH-OM4-TQ	OM4	2.0	1	4,5
SINGLEMODE MULTIMODE	SM -I-SX-1(1x2,4)x9AH-D-YE	G.652.D	2.4	1	5,9
	SM -I-SX-1(1x2,4)x9AH-DA1-YE	G.652.D/G.657.A1	2.4	1	5,9
	SM -I-SX-1(1x2,4)x9AH-A1-YE	G.657.A1	2.4	1	5,9
	SM -I-SX-1(1x2,4)x9AH-A2-YE	G.657.A2	2.4	1	5,9
	SM -I-SX-1(1x2,4)x9AH-B3-YE	G.657.B3	2.4	1	5,9
	SM -I-SX-1(1x2,4)x9AH-OM1-OG	OM1	2.4	1	5,9
	SM -I-SX-1(1x2,4)x9AH-OM2-OG	OM2	2.4	1	5,9
	SM -I-SX-1(1x2,4)x9AH-OM3-TQ	OM3	2.4	1	5,9
	SM -I-SX-1(1x2,4)x9AH-OM4-TQ	OM4	2.4	1	5,9
SINGLEMODE MULTIMODE	SM -I-SX-1(1x2,8)x9AH-D-YE	G.652.D	2.8	1	8,3
	SM -I-SX-1(1x2,8)x9AH-DA1-YE	G.652.D/G.657.A1	2.8	1	8,3
	SM -I-SX-1(1x2,8)x9AH-A1-YE	G.657.A1	2.8	1	8,3
	SM -I-SX-1(1x2,8)x9AH-A2-YE	G.657.A2	2.8	1	8,3
	SM -I-SX-1(1x2,8)x9AH-B3-YE	G.657.B3	2.8	1	8,3
	SM -I-SX-1(1x2,8)x9AH-OM1-OG	OM1	2.8	1	8,3
	SM -I-SX-1(1x2,8)x9AH-OM2-OG	OM2	2.8	1	8,3
	SM -I-SX-1(1x2,8)x9AH-OM3-TQ	OM3	2.8	1	8,3
	SM -I-SX-1(1x2,8)x9AH-OM4-TQ	OM4	2.8	1	8,3

**DESCRIPTION:**

The cable consists of two separate tight buffered fibres and around each buffer is a layer of aramid yarns that act as tensile strength members; the jacket is made from the FR-LSHF compound. Ideal for direct termination with connectors; suitable for the interconnections in buildings and movable connect lines using patch cords.



# Zip Cord Cable 2,4 mm

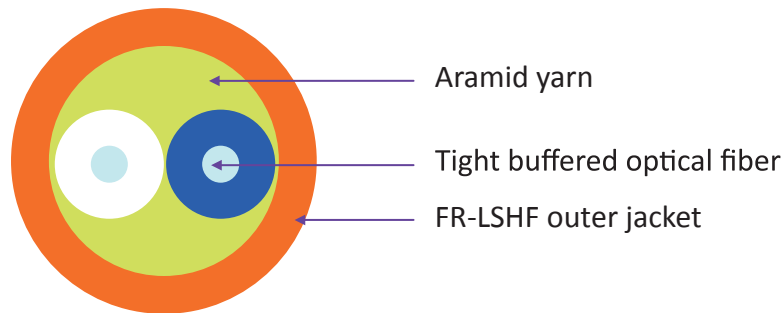
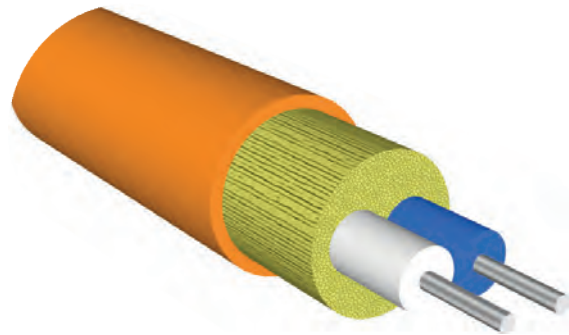
# Zip Cord Cable 2,8 mm

	Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SINGLEMODE MULTIMODE	SM -I-DXZ-2(2x2,4)x9AH-D-YE	G.652.D	2.4	2	10.0
	SM -I-DXZ-2(2x2,4)x9AH-DA1-YE	G.652.D/G.657.A1	2.4	2	10.0
	SM -I-DXZ-2(2x2,4)x9AH-A1-YE	G.657.A1	2.4	2	10.0
	SM -I-DXZ-2(2x2,4)x9AH-A2-YE	G.657.A2	2.4	2	10.0
	SM -I-DXZ-2(2x2,4)x9AH-B3-YE	G.657.B3	2.4	2	10.0
	SM -I-DXZ-2(2x2,4)x9AH-OM1-OG	OM1	2.4	2	10.0
	SM -I-DXZ-2(2x2,4)x9AH-OM2-OG	OM2	2.4	2	10.0
	SM -I-DXZ-2(2x2,4)x9AH-OM3-TQ	OM3	2.4	2	10.0
	SM -I-DXZ-2(2x2,4)x9AH-OM4-TQ	OM4	2.4	2	10.0
SINGLEMODE MULTIMODE	SM -I-DXZ-2(2x2,8)x9AH-D-YE	G.652.D	2.8	2	14.5
	SM -I-DXZ-2(2x2,8)x9AH-DA1-YE	G.652.D/G.657.A1	2.8	2	14.5
	SM -I-DXZ-2(2x2,8)x9AH-A1-YE	G.657.A1	2.8	2	14.5
	OPK-I-DXZ-2(2x2,8)x9AH-A2-YE	G.657.A2	2.8	2	14.5
	OPK-I-DXZ-2(2x2,8)x9AH-B3-YE	G.657.B3	2.8	2	14.5
	OPK-I-DXZ-2(2x2,8)x9AH-OM1-OG	OM1	2.8	2	14.5
	OPK-I-DXZ-2(2x2,8)x9AH-OM2-OG	OM2	2.8	2	14.5
	OPK-I-DXZ-2(2x2,8)x9AH-OM3-TQ	OM3	2.8	2	14.5
	OPK-I-DXZ-2(2x2,8)x9AH-OM4-TQ	OM4	2.8	2	14.5

# Round Duplex Cable

## DESCRIPTION:

The cable consists of two tight buffered fibres and the around buffers is a layer of aramid yarns that act as tensile strength members; the jacket is made from the FR-LSHF compound. Ideal for direct termination by connectors; suitable for the interconnections in buildings and movable connect lines using patch cords.



	Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SINGLEMODE	SM -I-DXK-2(1×2,8)x9AH-D-YE	G.652.D	2.8	2	7.2
	S SM-DXK-2(1×2,8)x9AH-DA1-YE	G.652.D/G.657.A1	2.8	2	7.2
	SM -I-DXK-2(1×2,8)x9AH-A1-YE	G.657.A1	2.8	2	7.2
	SM -I-DXK-2(1×2,8)x9AH-A2-YE	G.657.A2	2.8	2	7.2
	SM -I-DXK-2(1×2,8)x9AH-B3-YE	G.657.B3	2.8	2	7.2
MULTIMODE	SM -I-DXK-2(1×2,8)x9AH-OM1-OG	OM1	2.8	2	7.2
	SM -I-DXK-2(1×2,8)x9AH-OM2-OG	OM2	2.8	2	7.2
	SM -I-DXK-2(1×2,8)x9AH-OM3-TQ	OM3	2.8	2	7.2
	SM -I-DXK-2(1×2,8)x9AH-OM4-TQ	OM4	2.8	2	7.2



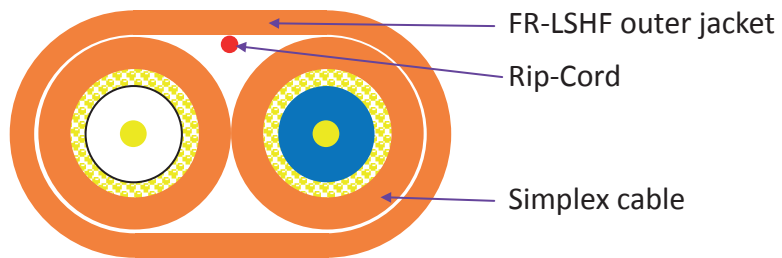
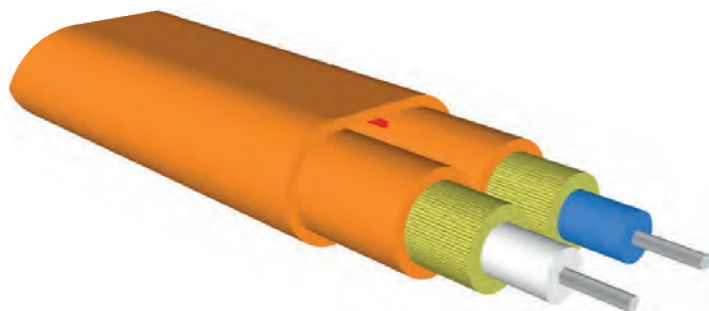
**DESCRIPTION:**

The cable consists of two separate simplex units, placed side by side in a standard FR-LSHF jacket. Ideal for direct termination by connectors; suitable for the interconnections in buildings and movable connect lines using patch cords.

# Flat Twin Cable 2,0 mm

# Flat Twin Cable 2,4 mm

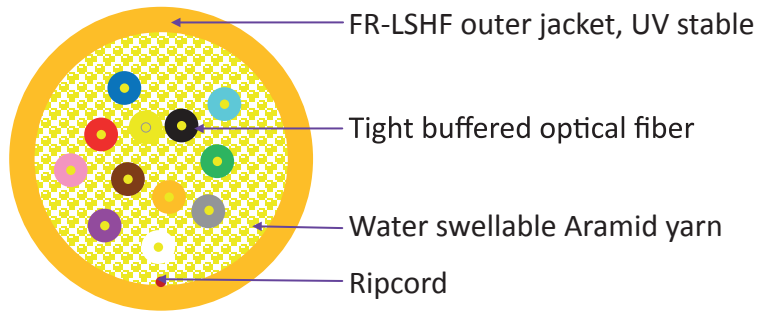
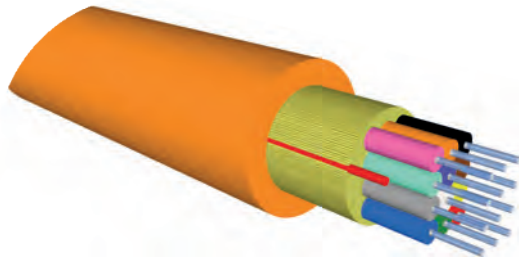
# Flat Twin Cable 2,8 mm



	Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SINGLEMODE	SM -I-DHX-2(2x2,0)x9AHH-D-YE	G.652.D	5,2 x 3,2	2	16,5
	SM -I-DHX-2(2x2,0)x9AHH-DA1-YE	G.652.D/G.657.A1	5,2 x 3,2	2	16,5
	SM -I-DHX-2(2x2,0)x9AHH-A1-YE	G.657.A1	5,2 x 3,2	2	16,5
	SM -I-DHX-2(2x2,0)x9AHH-A2-YE	G.657.A2	5,2 x 3,2	2	16,5
	OPK-I-DHX-2(2x2,0)x9AHH-B3-YE	G.657.B3	5,2 x 3,2	2	16,5
MULTIMODE	SM -I-DHX-2(2x2,0)x9AHH-OM1-OG	OM1	5,2 x 3,2	2	16,5
	SM -I-DHX-2(2x2,0)x9AHH-OM2-OG	OM2	5,2 x 3,2	2	16,5
	SM -I-DHX-2(2x2,0)x9AHH-OM3-TQ	OM3	5,2 x 3,2	2	16,5
	SM -I-DHX-2(2x2,0)x9AHH-OM4-TQ	OM4	5,2 x 3,2	2	16,5
SINGLEMODE	SM -I-DHX-2(2x2,4)x9AHH-D-YE	G.652.D	5,8 x 3,5	2	20,0
	SM -I-DHX-2(2x2,4)x9AHH-DA1-YE	G.652.D/G.657.A1	5,8 x 3,5	2	20,0
	SM -I-DHX-2(2x2,4)x9AHH-A1-YE	G.657.A1	5,8 x 3,5	2	20,0
	SM -I-DHX-2(2x2,4)x9AHH-A2-YE	G.657.A2	5,8 x 3,5	2	20,0
	SM -I-DHX-2(2x2,4)x9AHH-B3-YE	G.657.B3	5,8 x 3,5	2	20,0
MULTIMODE	SM -I-DHX-2(2x2,4)x9AHH-OM1-OG	OM1	5,8 x 3,5	2	20,0
	SM -I-DHX-2(2x2,4)x9AHH-OM2-OG	OM2	5,8 x 3,5	2	20,0
	SM -I-DHX-2(2x2,4)x9AHH-OM3-TQ	OM3	5,8 x 3,5	2	20,0
	SM -I-DHX-2(2x2,4)x9AHH-OM4-TQ	OM4	5,8 x 3,5	2	20,0
SINGLEMODE	SM -I-DHX-2(2x2,8)x9AHH-D-YE	G.652.D	6,3 x 3,7	2	24,0
	SM -I-DHX-2(2x2,8)x9AHH-DA1-YE	G.652.D/G.657.A1	6,3 x 3,7	2	24,0
	SM -I-DHX-2(2x2,8)x9AHH-A1-YE	G.657.A1	6,3 x 3,7	2	24,0
	SM -I-DHX-2(2x2,8)x9AHH-A2-YE	G.657.A2	6,3 x 3,7	2	24,0
	SM -I-DHX-2(2x2,8)x9AHH-B3-YE	G.657.B3	6,3 x 3,7	2	24,0
MULTIMODE	SM -I-DHX-2(2x2,8)x9AHH-OM1-OG	OM1	6,3 x 3,7	2	24,0
	SM -I-DHX-2(2x2,8)x9AHH-OM2-OG	OM2	6,3 x 3,7	2	24,0
	SM -I-DHX-2(2x2,8)x9AHH-OM3-TQ	OM3	6,3 x 3,7	2	24,0
	SM -I-DHX-2(2x2,8)x9AHH-OM4-TQ	OM4	6,3 x 3,7	2	24,0

**DESCRIPTION:**

The cable consists of tight buffered fibres; around the buffers is a layer of the water swellable aramid yarns that act as tensile strength members; the jacket is made from the FR-LSHF compound. Ideal for indoor/outdoor applications and backbone networks in buildings. Suitable for direct termination with connectors.

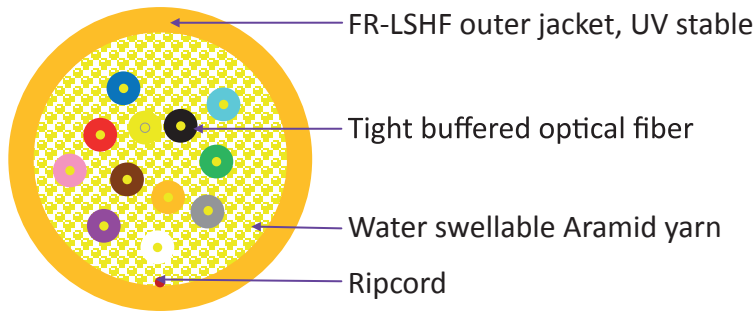
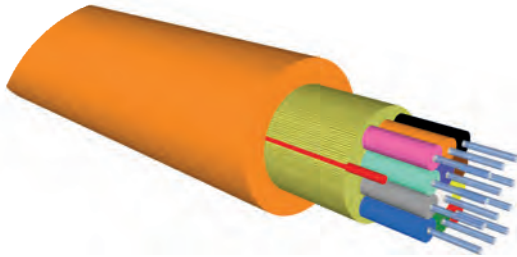


# Indoor/Outdoor Distribution Cable

	Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SINGLEMODE MULTIMODE	SM -U-DSTS-2(2x0,9)x9AH-D-YE	G.652.D	4.7	2	20
	SM -U-DSTS-2(2x0,9)x9AH-DA1-YE	G.652.D/G.657.A1	4.7	2	20
	SM -U-DSTS-2(2x0,9)x9AH-A1-YE	G.657.A1	4.7	2	20
	SM -U-DSTS-2(2x0,9)x9AH-OM1-OG	OM1	4.7	2	20
	SM -U-DSTS-2(2x0,9)x9AH-OM2-OG	OM2	4.7	2	20
	SM -U-DSTS-2(2x0,9)x9AH-OM3-TQ	OM3	4.7	2	20
	SM -U-DSTS-2(2x0,9)x9AH-OM4-TQ	OM4	4.7	2	20
SINGLEMODE MULTIMODE	SM -U-DSTS-4(4x0,9)x9AH-D-YE	G.652.D	4.8	4	25
	SM -U-DSTS-4(4x0,9)x9AH-DA1-YE	G.652.D/G.657.A1	4.8	4	25
	SM -U-DSTS-4(4x0,9)x9AH-A1-YE	G.657.A1	4.8	4	25
	SM -U-DSTS-4(4x0,9)x9AH-OM1-OG	OM1	4.8	4	25
	SM -U-DSTS-4(4x0,9)x9AH-OM2-OG	OM2	4.8	4	25
	SM -U-DSTS-4(4x0,9)x9AH-OM3-TQ	OM3	4.8	4	25
	SM -U-DSTS-4(4x0,9)x9AH-OM4-TQ	OM4	4.8	4	25
SINGLEMODE MULTIMODE	SM -U-DSTS-6(6x0,9)x9AH-D-YE	G.652.D	5.4	6	30
	SM -U-DSTS-6(6x0,9)x9AH-DA1-YE	G.652.D/G.657.A1	5.4	6	30
	SM -U-DSTS-6(6x0,9)x9AH-A1-YE	G.657.A1	5.4	6	30
	SM -U-DSTS-6(6x0,9)x9AH-OM1-OG	OM1	5.4	6	30
	SM -U-DSTS-6(6x0,9)x9AH-OM2-OG	OM2	5.4	6	30
	SM -U-DSTS-6(6x0,9)x9AH-OM3-TQ	OM3	5.4	6	30
	SM -U-DSTS-6(6x0,9)x9AH-OM4-TQ	OM4	5.4	6	30

**DESCRIPTION:**

The cable consists of tight buffered fibres; around the buffers is a layer of the water swellable aramid yarns that act as tensile strength members; the jacket is made from the FR-LSHF compound. Ideal for indoor/outdoor applications and backbone networks in buildings. Suitable for direct termination with connectors.

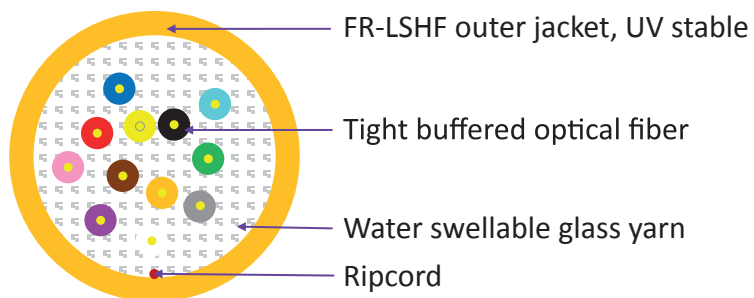
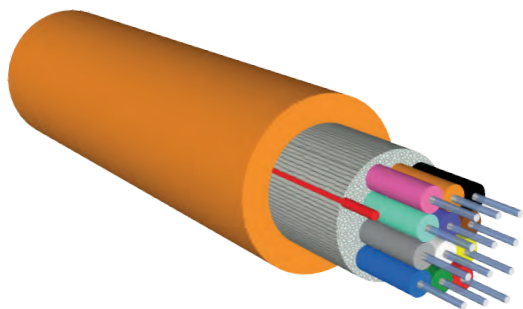


# Indoor/Outdoor Distribution Cable

	Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SINGLEMODE MULTIMODE	SM -U-DSTS-8(8x0,9)x9AH-D-YE	G.652.D	6.2	8	35
	SM -U-DSTS-8(8x0,9)x9AH-DA1-YE	G.652.D/G.657.A1	6.2	8	35
	SM -U-DSTS-8(8x0,9)x9AH-A1-YE	G.657.A1	6.2	8	35
	SM -U-DSTS-8(8x0,9)x9AH-OM1-OG	OM1	6.2	8	35
	SM -U-DSTS-8(8x0,9)x9AH-OM2-OG	OM2	6.2	8	35
	SM -U-DSTS-8(8x0,9)x9AH-OM3-TQ	OM3	6.2	8	35
	SM -U-DSTS-8(8x0,9)x9AH-OM4-TQ	OM4	6.2	8	35
SINGLEMODE MULTIMODE	SM -U-DSTS-12(12x0,9)x9AH-D-YE	G.652.D	6.8	12	42
	SM -U-DSTS-12(12x0,9)x9AH-DA1-YE	G.652.D/G.657.A1	6.8	12	42
	SM -U-DSTS-12(12x0,9)x9AH-A1-YE	G.657.A1	6.8	12	42
	SM -U-DSTS-12(12x0,9)x9AH-OM1-OG	OM1	6.8	12	42
	SM -U-DSTS-12(12x0,9)x9AH-OM2-OG	OM2	6.8	12	42
	SM -U-DSTS-12(12x0,9)x9AH-OM3-TQ	OM3	6.8	12	42
	SM -U-DSTS-12(12x0,9)x9AH-OM4-TQ	OM4	6.8	12	42

**DESCRIPTION:**

The cable consists of a tight buffered fibres; around the buffers is a layer of the water swellable glass yarns that act as tensile strength members; the jacket is made from the FR-LSHF compound. Ideal for indoor/outdoor applications and backbone networks in buildings. Suitable for direct termination with connectors.

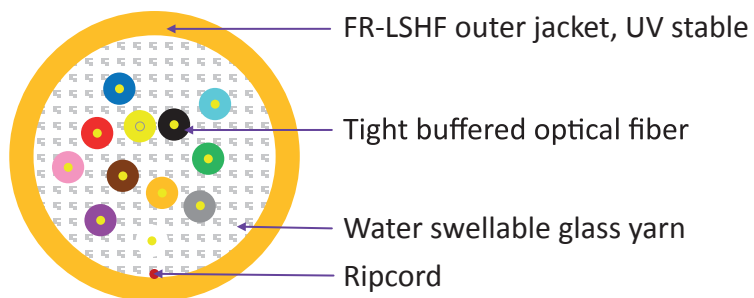
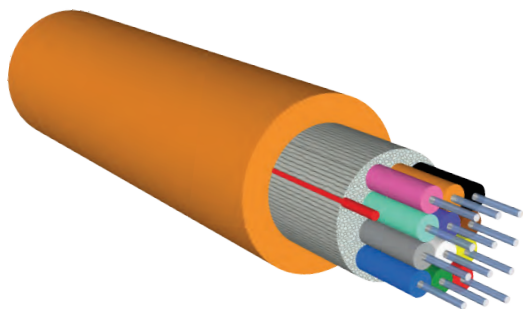


# Indoor/Outdoor glass yarn protected Distribution Cable

	Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SINGLEMODE MULTIMODE	SM -U-DSTS-2(2x0,9)x9GH-D-YE	G.652.D	5.5	2	33
	SM -U-DSTS-2(2x0,9)x9GH-DA1-YE	G.652.D/G.657.A1	5.5	2	33
	SM -U-DSTS-2(2x0,9)x9GH-A1-YE	G.657.A1	5.5	2	33
	SM -U-DSTS-2(2x0,9)x9GH-OM1-OG	OM1	5.5	2	33
	SM -U-DSTS-2(2x0,9)x9GH-OM2-OG	OM2	5.5	2	33
	SM -U-DSTS-2(2x0,9)x9GH-OM3-TQ	OM3	5.5	2	33
	SM -U-DSTS-2(2x0,9)x9GH-OM4-TQ	OM4	5.5	2	33
	SINGLEMODE MULTIMODE	SM -U-DSTS-4(4x0,9)x9GH-D-YE	G.652.D	6.0	4
SM -U-DSTS-4(4x0,9)x9GH-DA1-YE		G.652.D/G.657.A1	6.0	4	40
SM -U-DSTS-4(4x0,9)x9GH-A1-YE		G.657.A1	6.0	4	40
SM -U-DSTS-4(4x0,9)x9GH-OM1-OG		OM1	6.0	4	40
SM -U-DSTS-4(4x0,9)x9GH-OM2-OG		OM2	6.0	4	40
SM -U-DSTS-4(4x0,9)x9GH-OM3-TQ		OM3	6.0	4	40
SM -U-DSTS-4(4x0,9)x9GH-OM4-TQ		OM4	6.0	4	40

**DESCRIPTION:**

The cable consists of a tight buffered fibres; around the buffers is a layer of the water swellable glass yarns that act as tensile strength members; the jacket is made from the FR-LSHF compound. Ideal for indoor/outdoor applications and backbone networks in buildings. Suitable for direct termination with connectors.



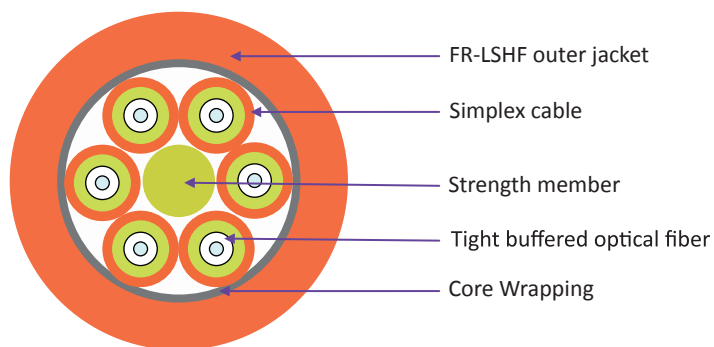
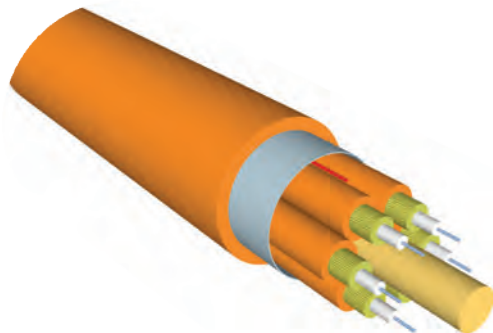
# Indoor/Outdoor glass yarn protected Distribution Cable

	Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SINGLEMODE MULTIMODE	SM -U-DSTS-8(8×0,9)x9GH-D-YE	G.652.D	7.3	8	52
	SM -U-DSTS-8(8×0,9)x9GH-DA1-YE	G.652.D/G.657.A1	7.3	8	52
	SM -U-DSTS-8(8×0,9)x9GH-A1-YE	G.657.A1	7.3	8	52
	SM -U-DSTS-8(8×0,9)x9GH-OM1-OG	OM1	7.3	8	52
	SM -U-DSTS-8(8×0,9)x9GH-OM2-OG	OM2	7.3	8	52
	SM -U-DSTS-8(8×0,9)x9GH-OM3-TQ	OM3	7.3	8	52
	SM -U-DSTS-8(8×0,9)x9GH-OM4-TQ	OM4	7.3	8	52

SINGLEMODE MULTIMODE	SM -U-DSTS-12(12×0,9)x9GH-D-YE	G.652.D	8.3	12	66
	SM -U-DSTS-12(12×0,9)x9GH-DA1-YE	G.652.D/G.657.A1	8.3	12	66
	SM -U-DSTS-12(12×0,9)x9GH-A1-YE	G.657.A1	8.3	12	66
	SM -U-DSTS-12(12×0,9)x9GH-OM1-OG	OM1	8.3	12	66
	SM -U-DSTS-12(12×0,9)x9GH-OM2-OG	OM2	8.3	12	66
	SM -U-DSTS-12(12×0,9)x9GH-OM3-TQ	OM3	8.3	12	66
	SM -U-DSTS-12(12×0,9)x9GH-OM4-TQ	OM4	8.3	12	66

**DESCRIPTION:**

The cable consists of the individual sub-units stranded around a central strength member; the jacket is made from the FR-LSHF compound; ideal for short and moderate distance links in buildings where multiple termination points are required; for direct termination with connectors.



# Breakout Cable

	Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SINGLEMODE MULTIMODE	SM -I-BRCS-2(4x2,0)x9AHH-D-YE	G.652.D	7.2	2	47
	SM -I-BRCS-2(4x2,0)x9AHH-DA1-YE	G.652.D/G.657.A1	7.2	2	47
	SM -I-BRCS-2(4x2,0)x9AHH-A1-YE	G.657.A1	7.2	2	47
	SM -I-BRCS-2(4x2,0)x9AHH-OM1-OG	OM1	7.2	2	47
	SM -I-BRCS-2(4x2,0)x9AHH-OM2-OG	OM2	7.2	2	47
	SM -I-BRCS-2(4x2,0)x9AHH-OM3-TQ	OM3	7.2	2	47
	SM -I-BRCS-2(4x2,0)x9AHH-OM4-TQ	OM4	7.2	2	47
SINGLEMODE MULTIMODE	SM -I-BRCS-4(4x2,0)x9AHH-D-YE	G.652.D	7.2	4	49
	SM -I-BRCS-4(4x2,0)x9AHH-DA1-YE	G.652.D/G.657.A1	7.2	4	49
	SM -I-BRCS-4(4x2,0)x9AHH-A1-YE	G.657.A1	7.2	4	49
	SM -I-BRCS-4(4x2,0)x9AHH-OM1-OG	OM1	7.2	4	49
	SM -I-BRCS-4(4x2,0)x9AHH-OM2-OG	OM2	7.2	4	49
	SM -I-BRCS-4(4x2,0)x9AHH-OM3-TQ	OM3	7.2	4	49
	SM -I-BRCS-4(4x2,0)x9AHH-OM4-TQ	OM4	7.2	4	49
SINGLEMODE MULTIMODE	SM -I-BRCS-6(6x2,0)x9AHH-D-YE	G.652.D	8.2	6	69
	SM -I-BRCS-6(6x2,0)x9AHH-DA1-YE	G.652.D/G.657.A1	8.2	6	69
	SM -I-BRCS-6(6x2,0)x9AHH-A1-YE	G.657.A1	8.2	6	69
	SM -I-BRCS-6(6x2,0)x9AHH-OM1-OG	OM1	8.2	6	69
	SM -I-BRCS-6(6x2,0)x9AHH-OM2-OG	OM2	8.2	6	69
	SM -I-BRCS-6(6x2,0)x9AHH-OM3-TQ	OM3	8.2	6	69
	SM -I-BRCS-6(6x2,0)x9AHH-OM4-TQ	OM4	8.2	6	69

Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SM-I- BRCS-8(8×2,0)x9AHH-D-YE	G.652.D	9.8	8	95
SM-I- BRCS-8(8×2,0)x9AHH-DA1-YE	G.652.D/G.657.A1	9.8	8	95
SM-I- BRCS-8(8×2,0)x9AHH-A1-YE	G.657.A1	9.8	8	95
SM-I- BRCS-8(8×2,0)x9AHH-OM1-OG	OM1	9.8	8	95
SM-I- BRCS-8(8×2,0)x9AHH-OM2-OG	OM2	9.8	8	95
SM-I- BRCS-8(8×2,0)x9AHH-OM3-TQ	OM3	9.8	8	95
SM-I- BRCS-8(8×2,0)x9AHH-OM4-TQ	OM4	9.8	8	95

SINGLEMODE MULTIMODE

Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SM-I- BRCS-24(24×2,0)x9AHH-D-YE	G.652.D	14.7	24	209
SM-I- BRCS-24(24×2,0)x9AHH-DA1-YE	G.652.D/G.657.A1	14.7	24	209
SM-I- BRCS-24(24×2,0)x9AHH-A1-YE	G.657.A1	14.7	24	209
SM-I- BRCS-24(24×2,0)x9AHH-OM1-OG	OM1	14.7	24	209
SM-I- BRCS-24(24×2,0)x9AHH-OM2-OG	OM2	14.7	24	209
SM-I- BRCS-24(24×2,0)x9AHH-OM3-TQ	OM3	14.7	24	209
SM-I- BRCS-24(24×2,0)x9AHH-OM4-TQ	OM4	14.7	24	209

SM-I- BRCS-12(12×2,0)x9AHH-D-YE	G.652.D	12.5	12	160
SM-I- BRCS-12(12×2,0)x9AHH-DA1-YE	G.652.D/G.657.A1	12.5	12	160
SM-I- BRCS-12(12×2,0)x9AHH-A1-YE	G.657.A1	12.5	12	160
SM-I- BRCS-12(12×2,0)x9AHH-OM1-OG	OM1	12.5	12	160
SM-I- BRCS-12(12×2,0)x9AHH-OM2-OG	OM2	12.5	12	160
SM-I- BRCS-12(12×2,0)x9AHH-OM3-TQ	OM3	12.5	12	160
SM-I- BRCS-12(12×2,0)x9AHH-OM4-TQ	OM4	12.5	12	160

SINGLEMODE MULTIMODE

SM-I- BRCS-36(36×2,0)x9AHH-D-YE	G.652.D	16.6	36	279
SM-I- BRCS-36(36×2,0)x9AHH-DA1-YE	G.652.D/G.657.A1	16.6	36	279
SM-I- BRCS-36(36×2,0)x9AHH-A1-YE	G.657.A1	16.6	36	279
SM-I- BRCS-36(36×2,0)x9AHH-OM1-OG	OM1	16.6	36	279
SM-I- BRCS-36(36×2,0)x9AHH-OM2-OG	OM2	16.6	36	279
SM-I- BRCS-36(36×2,0)x9AHH-OM3-TQ	OM3	16.6	36	279
SM-I- BRCS-36(36×2,0)x9AHH-OM4-TQ	OM4	16.6	36	279

SM-I- BRCS-16(16×2,0)x9AHH-D-YE	G.652.D	12.4	16	141
SM-I- BRCS-16(16×2,0)x9AHH-DA1-YE	G.652.D/G.657.A1	12.4	16	141
SM-I- BRCS-16(16×2,0)x9AHH-A1-YE	G.657.A1	12.4	16	141
SM-I- BRCS-16(16×2,0)x9AHH-OM1-OG	OM1	12.4	16	141
SM-I- BRCS-16(16×2,0)x9AHH-OM2-OG	OM2	12.4	16	141
SM-I- BRCS-16(16×2,0)x9AHH-OM3-TQ	OM3	12.4	16	141
SM-I- BRCS-16(16×2,0)x9AHH-OM4-TQ	OM4	12.4	16	141

SINGLEMODE MULTIMODE

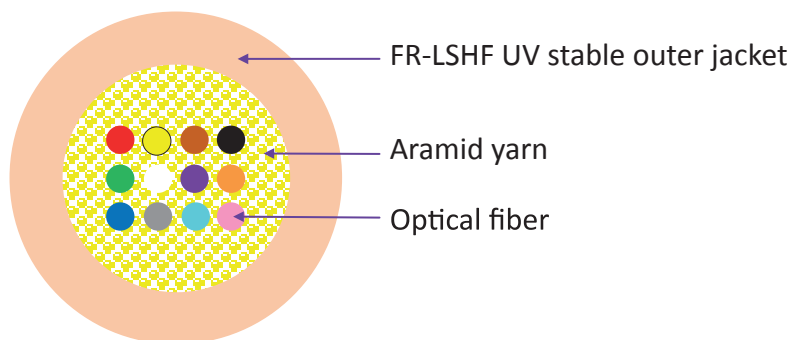
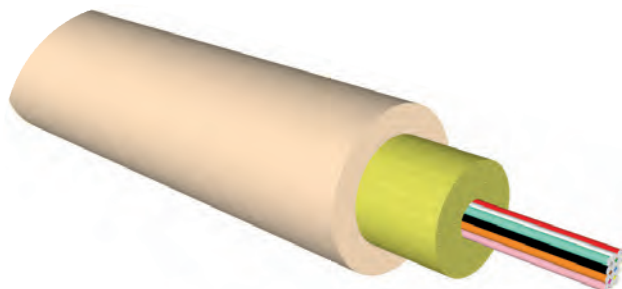
SM-I- BRCS-48(48×2,0)x9AHH-D-YE	G.652.D	19.6	48	384
SM-I- BRCS-48(48×2,0)x9AHH-DA1-YE	G.652.D/G.657.A1	19.6	48	384
SM-I- BRCS-48(48×2,0)x9AHH-A1-YE	G.657.A1	19.6	48	384
SM-I- BRCS-48(48×2,0)x9AHH-OM1-OG	OM1	19.6	48	384
SM-I- BRCS-48(48×2,0)x9AHH-OM2-OG	OM2	19.6	48	384
SM-I- BRCS-48(48×2,0)x9AHH-OM3-TQ	OM3	19.6	48	384
SM-I- BRCS-48(48×2,0)x9AHH-OM4-TQ	OM4	19.6	48	384

SM-I- BRCS-18(18×2,0)x9AHH-D-YE	G.652.D	12.4	18	151
SM-I- BRCS-18(18×2,0)x9AHH-DA1-YE	G.652.D/G.657.A1	12.4	18	151
SM-I- BRCS-18(18×2,0)x9AHH-A1-YE	G.657.A1	12.4	18	151
SM-I- BRCS-18(18×2,0)x9AHH-OM1-OG	OM1	12.4	18	151
SM-I- BRCS-18(18×2,0)x9AHH-OM2-OG	OM2	12.4	18	151
SM-I- BRCS-18(18×2,0)x9AHH-OM3-TQ	OM3	12.4	18	151
SM-I- BRCS-18(18×2,0)x9AHH-OM4-TQ	OM4	12.4	18	151

SINGLEMODE MULTIMODE

**DESCRIPTION:**

The cable consists of coloured 250 µm fibres; around the fibres is a layer of the water swellable aramid yarns that act as tensile strength members; the jacket is made from the FR-LSHF compound. The cable has a lightweight construction and small diameter. Ideal for aerial installation over short distances.



# FTTx Universal Cable

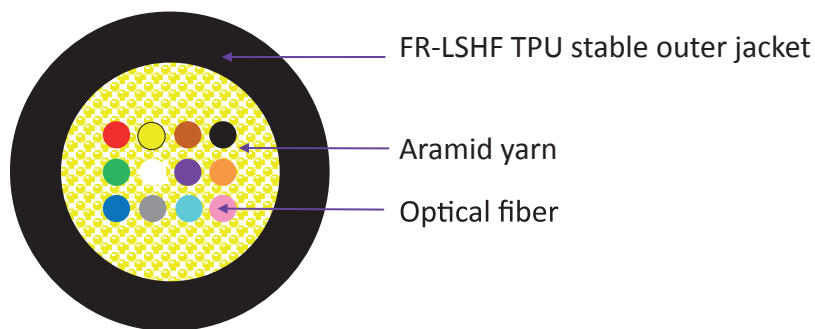
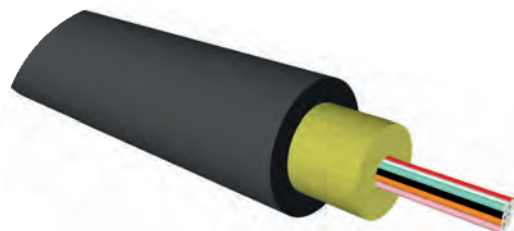
	Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SINGLEMODE	SM -U-DRP-2(2×0,25)FFAH-DA1-BK	G.652.D/G.657.A1	3.0	2	8.9
	SM -U-DRP-2(2×0,25)FFAH-A1- BK	G.657.A1	3.0	2	8.9
	SM -U-DRP-2(2×0,25)FFAH-A2- BK	G.657.A2	3.0	2	8.9
	SM -U-DRP-2(2×0,25)FFAH-B3- BK	G.657.B3	3.0	2	8.9
MULTIMODE	SM -U-DRP-2(2×0,25)FFAH-OM2- BK	OM2	3.0	2	8.9
	SM -U-DRP-2(2×0,25)FFAH-OM3- BK	OM3	3.0	2	8.9
	SM -U-DRP-2(2×0,25)FFAH-OM4- BK	OM4	3.0	2	8.9
SINGLEMODE	SM -U-DRP-4(4×0,25)FFAH-DA1-BK	G.652.D/G.657.A1	3.0	4	9.1
	SM -U-DRP-4(4×0,25)FFAH-A1- BK	G.657.A1	3.0	4	9.1
	SM -U-DRP-4(4×0,25)FFAH-A2- BK	G.657.A2	3.0	4	9.1
	SM -U-DRP-4(4×0,25)FFAH-B3- BK	G.657.B3	3.0	4	9.1
MULTIMODE	SM -U-DRP-4(4×0,25)FFAH-OM2- BK	OM2	3.0	4	9.1
	SM -U-DRP-4(4×0,25)FFAH-OM3- BK	OM3	3.0	4	9.1
	SM -U-DRP-4(4×0,25)FFAH-OM4- BK	OM4	3.0	4	9.1
SINGLEMODE	SM -U-DRP-8(8×0,25)FFAH-DA1-BK	G.652.D/G.657.A1	3.2	8	10.1
	SM -U-DRP-8(8×0,25)FFAH-A1- BK	G.657.A1	3.2	8	10.1
	SM -U-DRP-8(8×0,25)FFAH-A2- BK	G.657.A2	3.2	8	10.1
	SM -U-DRP-8(8×0,25)FFAH-B3- BK	G.657.B3	3.2	8	10.1
MULTIMODE	SM -U-DRP-8(8×0,25)FFAH-OM2- BK	OM2	3.2	8	10.1
	SM -U-DRP-8(8×0,25)FFAH-OM3- BK	OM3	3.2	8	10.1
	SM -U-DRP-8(8×0,25)FFAH-OM4- BK	OM4	3.2	8	10.1
SINGLEMODE	SM -U-DRP-12(12×0,25)FFAH-DA1-BK	G.652.D/G.657.A1	3.2	12	10.4
	SM -U-DRP-12(12×0,25)FFAH-A1- BK	G.657.A1	3.2	12	10.4
	SM -U-DRP-12(12×0,25)FFAH-A2- BK	G.657.A2	3.2	12	10.4
	SM -U-DRP-12(12×0,25)FFAH-B3- BK	G.657.B3	3.2	12	10.4
MULTIMODE	SM -U-DRP-12(12×0,25)FFAH-OM2- BK	OM2	3.2	12	10.4
	SM -U-DRP-12(12×0,25)FFAH-OM3- BK	OM3	3.2	12	10.4
	SM -U-DRP-12(12×0,25)FFAH-OM4- BK	OM4	3.2	12	10.4





**DESCRIPTION:**

The cable consists of coloured 250 µm fibres; around the fibres is a layer of water swellable aramid yarns that act as tensile strength members; the jacket is made from the FR-LSHF TPU compound. The cable has a lightweight construction and a small diameter. Ideal for aerial installation over short distances.



## FTTx Universal Cable TPU

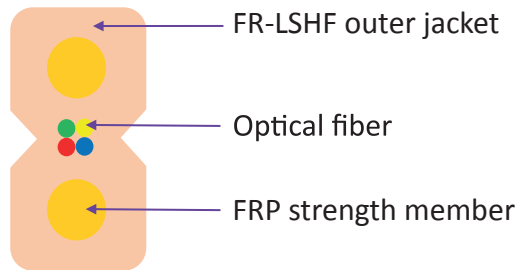
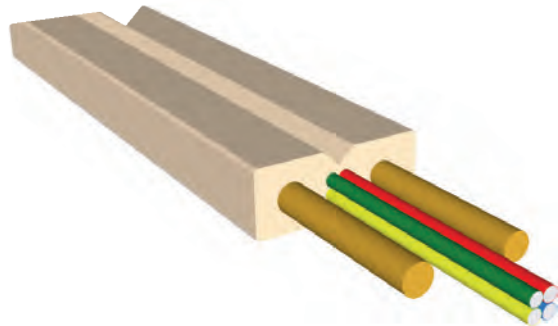
	Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SINGLEMODE	SM -U-DRP-2(2×0,25)FFAU-DA1-BK	G.652.D/G.657.A1	3.0	2	8.5
	SM -U-DRP-2(2×0,25)FFAU-A1- BK	G.657.A1	3.0	2	8.5
	SM -U-DRP-2(2×0,25)FFAU-A2- BK	G.657.A2	3.0	2	8.5
	SM -U-DRP-2(2×0,25)FFAU-B3- BK	G.657.B3	3.0	2	8.5
MULTIMODE	SM -U-DRP-2(2×0,25)FFAU-OM2- BK	OM2	3.0	2	8.5
	SM -U-DRP-2(2×0,25)FFAU-OM3- BK	OM3	3.0	2	8.5
	SM -U-DRP-2(2×0,25)FFAU-OM4- BK	OM4	3.0	2	8.5
SINGLEMODE	SM -U-DRP-4(4×0,25)FFAU-DA1-BK	G.652.D/G.657.A1	3.0	4	9.0
	SM -U-DRP-4(4×0,25)FFAU-A1- BK	G.657.A1	3.0	4	9.0
	SM -U-DRP-4(4×0,25)FFAU-A2- BK	G.657.A2	3.0	4	9.0
	SM -U-DRP-4(4×0,25)FFAU-B3- BK	G.657.B3	3.0	4	9.0
MULTIMODE	SM -U-DRP-4(4×0,25)FFAU-OM2- BK	OM2	3.0	4	9.0
	SM -U-DRP-4(4×0,25)FFAU-OM3- BK	OM3	3.0	4	9.0
	SM -U-DRP-4(4×0,25)FFAU-OM4- BK	OM4	3.0	4	9.0
SINGLEMODE	SM -U-DRP-8(8×0,25)FFAU-DA1-BK	G.652.D/G.657.A1	3.2	8	10.5
	SM -U-DRP-8(8×0,25)FFAU-A1- BK	G.657.A1	3.2	8	10.5
	SM -U-DRP-8(8×0,25)FFAU-A2- BK	G.657.A2	3.2	8	10.5
	SM -U-DRP-8(8×0,25)FFAU-B3- BK	G.657.B3	3.2	8	10.5
MULTIMODE	SM -U-DRP-8(8×0,25)FFAU-OM2- BK	OM2	3.2	8	10.5
	SM -U-DRP-8(8×0,25)FFAU-OM3- BK	OM3	3.2	8	10.5
	SM -U-DRP-8(8×0,25)FFAU-OM4- BK	OM4	3.2	8	10.5
SINGLEMODE	SM -U-DRP-12(12×0,25)FFAU-DA1-BK	G.652.D/G.657.A1	3.2	12	12.0
	SM -U-DRP-12(12×0,25)FFAU-A1- BK	G.657.A1	3.2	12	12.0
	SM -U-DRP-12(12×0,25)FFAU-A2- BK	G.657.A2	3.2	12	12.0
	SM -U-DRP-12(12×0,25)FFAU-B3- BK	G.657.B3	3.2	12	12.0
MULTIMODE	SM -U-DRP-12(12×0,25)FFAU-OM2- BK	OM2	3.2	12	12.0
	SM -U-DRP-12(12×0,25)FFAU-OM3- BK	OM3	3.2	12	12.0
	SM -U-DRP-12(12×0,25)FFAU-OM4- BK	OM4	3.2	12	12.0



# FTTx Drop Cable

## DESCRIPTION:

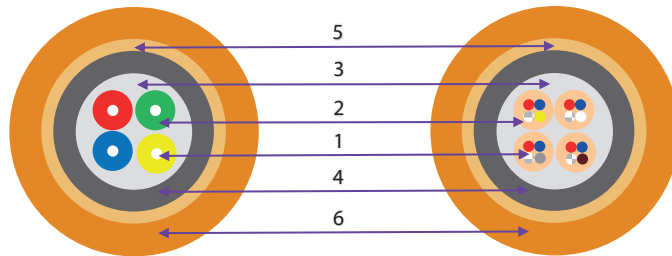
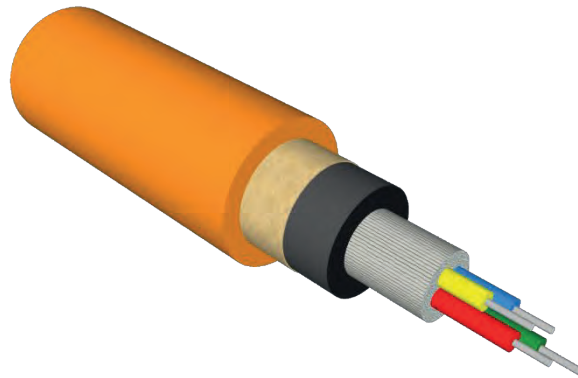
The cable consists of coloured 250 µm fibres; the jacket is made from the FR-LSHF compound. Two FRP members are embedded in the jacket. Ideal for indoor FTTH networks.



	Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SINGLEMODE	SM -I-DRPM-2(2x0,25)FFTH-DA1-BK	G.652.D/G.657.A1	3,1x2,0	2	9.3
	SM -I-DRPM-2(2x0,25)FFTH-A1- BK	G.657.A1	3,1x2,0	2	9.3
	SM -I-DRPM-2(2x0,25)FFTH-A2- BK	G.657.A2	3,1x2,0	2	9.3
	SM -I-DRPM-2(2x0,25)FFTH-B3- BK	G.657.B3	3,1x2,0	2	9.3
MULTIMODE	SM -I-DRPM-2(2x0,25)FFTH-OM2- BK	OM2	3,1x2,0	2	9.3
	SM -I-DRPM-2(2x0,25)FFTH-OM3- BK	OM3	3,1x2,0	2	9.3
	SM -I-DRPM-2(2x0,25)FFTH-OM4- BK	OM4	3,1x2,0	2	9.3
SINGLEMODE	SM -I-DRPM-4(4x0,25)FFTH-DA1-BK	G.652.D/G.657.A1	3,1x2,0	4	9.5
	SM -I-DRPM-4(4x0,25)FFTH-A1- BK	G.657.A1	3,1x2,0	4	9.5
	SM -I-DRPM-4(4x0,25)FFTH-A2- BK	G.657.A2	3,1x2,0	4	9.5
	SM -I-DRPM-4(4x0,25)FFTH-B3- BK	G.657.B3	3,1x2,0	4	9.5
MULTIMODE	SM -I-DRPM-4(4x0,25)FFTH-OM2- BK	OM2	3,1x2,0	4	9.5
	SM -I-DRPM-4(4x0,25)FFTH-OM3- BK	OM3	3,1x2,0	4	9.5
	SM -I-DRPM-4(4x0,25)FFTH-OM4- BK	OM4	3,1x2,0	4	9.5

**DESCRIPTION:**

For indoor and outdoor use, fire resistant.



1. Optical Fiber
2. Tight buffered optical fiber  
(more than 12 fibres Compact Fiber Unit)
3. Water-swellable Glass Yarn
4. Inner FR-LSHF Jacket
5. Fire-resistant tape
6. Outer FR-LSHF Jacket, UV stable

## Fire-resistant Distribution Cable

	Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SINGLEMODE	SM -U-DSTF-2(2x0,9)A9GHMH-D-BK	G.652.D	10.0	2	107
	SM -U-DSTF-2(2x0,9)A9GHMH-DA1-BK	G.652.D/G.657.A1	10.0	2	107
	SM -U-DSTF-2(2x0,9)A9GHMH-A1-BK	G.657.A1	10.0	2	107
	SM -U-DSTF-2(2x0,9)A9GHMH-A2-BK	G.657.A2	10.0	2	107
	SM -U-DSTF-2(2x0,9)A9GHMH-B3-BK	G.657.B3	10.0	2	107
MULTIMODE	SM -U-DSTF-2(2x0,9)A9GHMH-OM1-BK	OM1	10.0	2	107
	SM -U-DSTF-2(2x0,9)A9GHMH-OM2-BK	OM2	10.0	2	107
	SM -U-DSTF-2(2x0,9)A9GHMH-OM3-BK	OM3	10.0	2	107
	SM -U-DSTF-2(2x0,9)A9GHMH-OM4-BK	OM4	10.0	2	107
SINGLEMODE	SM -U-DSTF-4(4x0,9)A9GHMH-D-BK	G.652.D	10.0	4	108
	SM -U-DSTF-4(4x0,9)A9GHMH-DA1-BK	G.652.D/G.657.A1	10.0	4	108
	SM -U-DSTF-4(4x0,9)A9GHMH-A1-BK	G.657.A1	10.0	4	108
	SM -U-DSTF-4(4x0,9)A9GHMH-A2-BK	G.657.A2	10.0	4	108
	SM -U-DSTF-4(4x0,9)A9GHMH-B3-BK	G.657.B3	10.0	4	108
MULTIMODE	SM -U-DSTF-4(4x0,9)A9GHMH-OM1-BK	OM1	10.0	4	108
	SM -U-DSTF-4(4x0,9)A9GHMH-OM2-BK	OM2	10.0	4	108
	SM -U-DSTF-4(4x0,9)A9GHMH-OM3-BK	OM3	10.0	4	108
	SM -U-DSTF-4(4x0,9)A9GHMH-OM4-BK	OM4	10.0	4	108
SINGLEMODE	SM -U-DSTF-6(6x0,9)A9GHMH-D-BK	G.652.D	10.0	6	109.5
	SM -U-DSTF-6(6x0,9)A9GHMH-DA1-BK	G.652.D/G.657.A1	10.0	6	109.5
	SM -U-DSTF-6(6x0,9)A9GHMH-A1-BK	G.657.A1	10.0	6	109.5
	SM -U-DSTF-6(6x0,9)A9GHMH-A2-BK	G.657.A2	10.0	6	109.5
	SM -U-DSTF-6(6x0,9)A9GHMH-B3-BK	G.657.B3	10.0	6	109.5
MULTIMODE	SM -U-DSTF-6(6x0,9)A9GHMH-OM1-BK	OM1	10.0	6	109.5
	SM -U-DSTF-6(6x0,9)A9GHMH-OM2-BK	OM2	10.0	6	109.5
	SM -U-DSTF-6(6x0,9)A9GHMH-OM3-BK	OM3	10.0	6	109.5
	SM -U-DSTF-6(6x0,9)A9GHMH-OM4-BK	OM4	10.0	6	109.5

Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km	
SM-U-DSTF-8(8x0,9)A9GHMH-D-BK	G.652.D	11.0	8	111.5	SINGLEMODE
SM-U-DSTF-8(8x0,9)A9GHMH-DA1-BK	G.652.D/G.657.A1	11.0	8	111.5	
SM-U-DSTF-8(8x0,9)A9GHMH-A1-BK	G.657.A1	11.0	8	111.5	
SM-U-DSTF-8(8x0,9)A9GHMH-A2-BK	G.657.A2	11.0	8	111.5	
SM-U-DSTF-8(8x0,9)A9GHMH-B3-BK	G.657.B3	11.0	8	111.5	
SM-U-DSTF-8(8x0,9)A9GHMH-OM1-BK	OM1	11.0	8	111.5	MULTIMODE
SM-U-DSTF-8(8x0,9)A9GHMH-OM2-BK	OM2	11.0	8	111.5	
SM-U-DSTF-8(8x0,9)A9GHMH-OM3-BK	OM3	11.0	8	111.5	
SM-U-DSTF-8(8x0,9)A9GHMH-OM4-BK	OM4	11.0	8	111.5	

Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SM-U-DSTF- 24(6x0,9)CFUGHMH-D-BK	G.652.D	10.0	24	113
SM-U-DSTF- 24(6x0,9)CFUGHMH-DA1-BK	G.652.D/G.657.A1	10.0	24	113
SM-U-DSTF- 24(6x0,9)CFUGHMH-A1-BK	G.657.A1	10.0	24	113
SM-U-DSTF- 24(6x0,9)CFUGHMH-A2-BK	G.657.A2	10.0	24	113
SM-U-DSTF- 24(6x0,9)CFUGHMH-B3-BK	G.657.B3	10.0	24	113
SM-U-DSTF- 24(6x0,9)CFUGHMH-OM1-BK	OM1	10.0	24	113
SM-U-DSTF- 24(6x0,9)CFUGHMH-OM2-BK	OM2	10.0	24	113
SM-U-DSTF- 24(6x0,9)CFUGHMH-OM3-BK	OM3	10.0	24	113
SM-U-DSTF- 24(6x0,9)CFUGHMH-OM4-BK	OM4	10.0	24	113

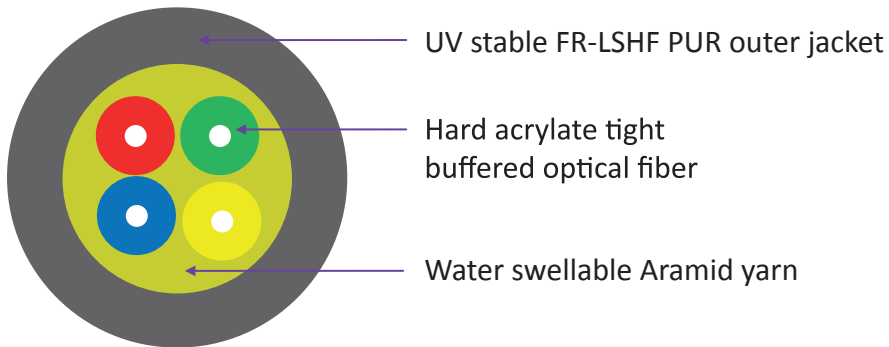
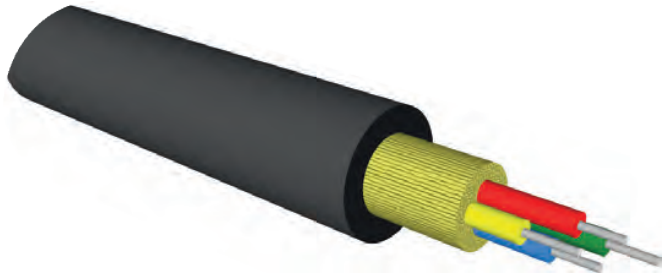
SM-U-DSTF- 12(12x0,9)A9GHMH-D-BK	G.652.D	12.1	12	151	SINGLEMODE
SM-U-DSTF- 12(12x0,9)A9GHMH-DA1-BK	G.652.D/G.657.A1	12.1	12	151	
SM-U-DSTF- 12(12x0,9)A9GHMH-A1-BK	G.657.A1	12.1	12	151	
SM-U-DSTF- 12(12x0,9)A9GHMH-A2-BK	G.657.A2	12.1	12	151	
SM-U-DSTF- 12(12x0,9)A9GHMH-B3-BK	G.657.B3	12.1	12	151	
SM-U-DSTF- 12(12x0,9)A9GHMH-OM1-BK	OM1	12.1	12	151	MULTIMODE
SM-U-DSTF- 12(12x0,9)A9GHMH-OM2-BK	OM2	12.1	12	151	
SM-U-DSTF- 12(12x0,9)A9GHMH-OM3-BK	OM3	12.1	12	151	
SM-U-DSTF- 12(12x0,9)A9GHMH-OM4-BK	OM4	12.1	12	151	

SM-U-DSTF- 48(12x0,9)CFUGHMH-D-BK	G.652.D	12.1	48	158
SM-U-DSTF- 48(12x0,9)CFUGHMH-DA1-BK	G.652.D/G.657.A1	12.1	48	158
SM-U-DSTF- 48(12x0,9)CFUGHMH-A1-BK	G.657.A1	12.1	48	158
SM-U-DSTF- 48(12x0,9)CFUGHMH-A2-BK	G.657.A2	12.1	48	158
SM-U-DSTF- 48(12x0,9)CFUGHMH-B3-BK	G.657.B3	12.1	48	158
SM-U-DSTF- 48(12x0,9)CFUGHMH-OM1-BK	OM1	12.1	48	158
SM-U-DSTF- 48(12x0,9)CFUGHMH-OM2-BK	OM2	12.1	48	158
SM-U-DSTF- 48(12x0,9)CFUGHMH-OM3-BK	OM3	12.1	48	158
SM-U-DSTF- 48(12x0,9)CFUGHMH-OM4-BK	OM4	12.1	48	158

SM-U-DSTF- 16(4x0,9)CFUGHMH-D-BK	G.652.D	10.0	16	110	SINGLEMODE
SM-U-DSTF- 16(4x0,9)CFUGHMH-DA1-BK	G.652.D/G.657.A1	10.0	16	110	
SM-U-DSTF- 16(4x0,9)CFUGHMH-A1-BK	G.657.A1	10.0	16	110	
SM-U-DSTF- 16(4x0,9)CFUGHMH-A2-BK	G.657.A2	10.0	16	110	
SM-U-DSTF- 16(4x0,9)CFUGHMH-B3-BK	G.657.B3	10.0	16	110	
SM-U-DSTF- 16(4x0,9)CFUGHMH-OM1-BK	OM1	10.0	16	110	MULTIMODE
SM-U-DSTF- 16(4x0,9)CFUGHMH-OM2-BK	OM2	10.0	16	110	
SM-U-DSTF- 16(4x0,9)CFUGHMH-OM3-BK	OM3	10.0	16	110	
SM-U-DSTF- 16(4x0,9)CFUGHMH-OM4-BK	OM4	10.0	16	110	

**DESCRIPTION:**

The cable consists of durable tight buffered fibers around which there is a layer of aramid yarns that act as tensile strength members; the jacket is made from the FR-LSHF TPU compound. The cable is ideal for use in harsh environments and is suitable for use as camera cable.

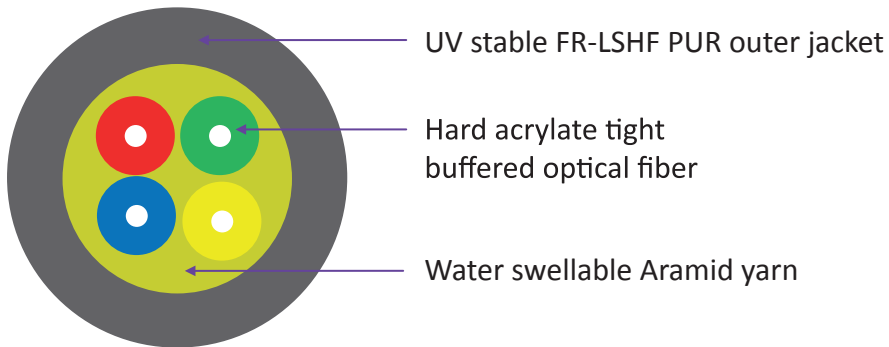
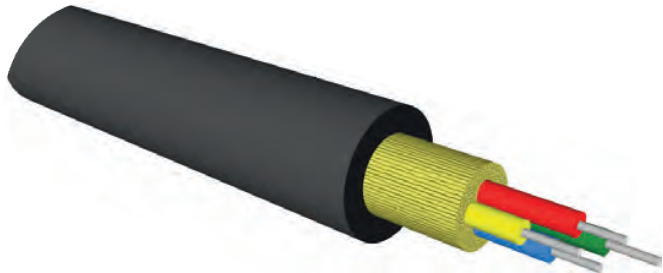


# Military Tactical Cable

	Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SINGLEMODE	SM-U-DSTTAC-2(2x0,9)A9AU-DA1-BK	G.652.D/G.657.A1	4.6	2	18
	SM-U-DSTTAC-2(2x0,9)A9AU-A1- BK	G.657.A1	4.6	2	18
	SM-U-DSTTAC-2(2x0,9)A9AU-A2- BK	G.657.A2	4.6	2	18
	SM-U-DSTTAC-2(2x0,9)A9AU-B3- BK	G.657.B3	4.6	2	18
MULTIMODE	SM-U-DSTTAC-2(2x0,9)A9AU-OM1- BK	OM1	4.6	2	18
	SM-U-DSTTAC-2(2x0,9)A9AU-OM2- BK	OM2	4.6	2	18
	SM-U-DSTTAC-2(2x0,9)A9AU-OM3- BK	OM3	4.6	2	18
	SM-U-DSTTAC-2(2x0,9)A9AU-OM4- BK	OM4	4.6	2	18
SINGLEMODE	SM-U-DSTTAC-4(4x0,9)A9AU-DA1-BK	G.652.D/G.657.A1	4.9	4	21
	SM-U-DSTTAC-4(4x0,9)A9AU-A1- BK	G.657.A1	4.9	4	21
	SM-U-DSTTAC-4(4x0,9)A9AU-A2- BK	G.657.A2	4.9	4	21
	SM-U-DSTTAC-4(4x0,9)A9AU-B3- BK	G.657.B3	4.9	4	21
MULTIMODE	SM-U-DSTTAC-4(4x0,9)A9AU-OM1- BK	OM1	4.9	4	21
	SM-U-DSTTAC-4(4x0,9)A9AU-OM2- BK	OM2	4.9	4	21
	SM-U-DSTTAC-4(4x0,9)A9AU-OM3- BK	OM3	4.9	4	21
	SM-U-DSTTAC-4(4x0,9)A9AU-OM4- BK	OM4	4.9	4	21

**DESCRIPTION:**

The cable consists of durable tight buffered fibers around which there is a layer of aramid yarns that act as tensile strength members; the jacket is made from the FR-LSHF TPU compound. The cable is ideal for use in harsh environments and is suitable for use as camera cable.

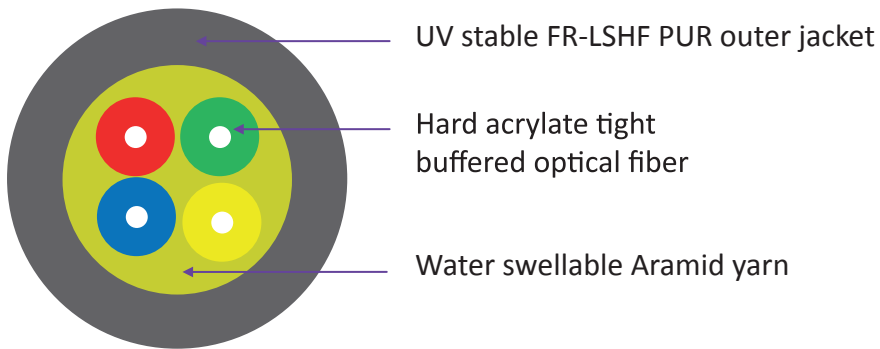
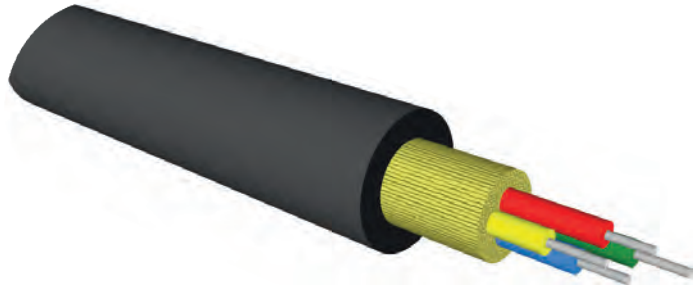


# Military Tactical Cable

	Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SINGLEMODE	SM-U-DSTTAC-8(8x0,9)A9AU-DA1-BK	G.652.D/G.657.A1	4.9	8	28
	SM-U-DSTTAC-8(8x0,9)A9AU-A1- BK	G.657.A1	4.9	8	28
	SM-U-DSTTAC-8(8x0,9)A9AU-A2- BK	G.657.A2	4.9	8	28
	SM-U-DSTTAC-8(8x0,9)A9AU-B3- BK	G.657.B3	4.9	8	28
MULTIMODE	SM-U-DSTTAC-8(8x0,9)A9AU-OM1- BK	OM1	4.9	8	28
	SM-U-DSTTAC-8(8x0,9)A9AU-OM2- BK	OM2	4.9	8	28
	SM-U-DSTTAC-8(8x0,9)A9AU-OM3- BK	OM3	4.9	8	28
	SM-U-DSTTAC-8(8x0,9)A9AU-OM4- BK	OM4	4.9	8	28
SINGLEMODE	SM-U-DSTTAC-12(12x0,9)A9AU-DA1-BK	G.652.D/G.657.A1	6.5	12	31
	SM-U-DSTTAC-12(12x0,9)A9AU-A1- BK	G.657.A1	6.5	12	31
	SM-U-DSTTAC-12(12x0,9)A9AU-A2- BK	G.657.A2	6.5	12	31
	SM-U-DSTTAC-12(12x0,9)A9AU-B3- BK	G.657.B3	6.5	12	31
MULTIMODE	SM-U-DSTTAC-12(12x0,9)A9AU-OM1- BK	OM1	6.5	12	31
	SM-U-DSTTAC-12(12x0,9)A9AU-OM2- BK	OM2	6.5	12	31
	SM-U-DSTTAC-12(12x0,9)A9AU-OM3- BK	OM3	6.5	12	31
	SM-U-DSTTAC-12(12x0,9)A9AU-OM4- BK	OM4	6.5	12	31

**DESCRIPTION:**

The cable consists of durable tight buffered fibers around which is a double layer of aramid yarns that act as tensile strength members; the jacket is made from the FR-LSHF TPU compound. The cable is very strong and is ideal for use in harsh environments.

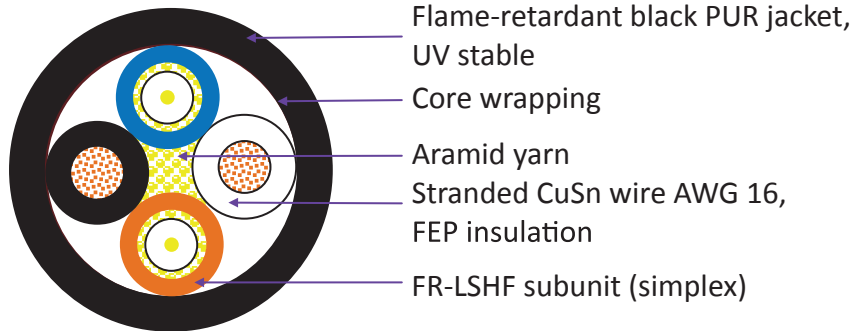
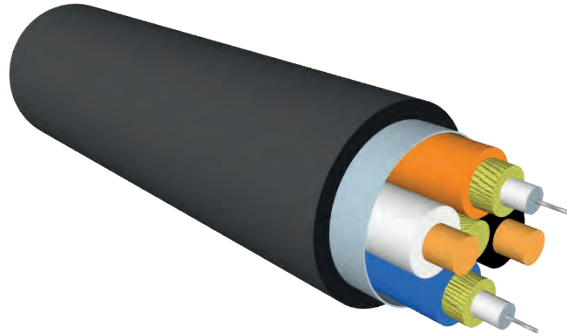


# Reinforced Military Tactical Cable

	Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SINGLEMODE	SM -U-DSTTAC-2(2x0,9)A9AAU-DA1-BK	G.652.D/G.657.A1	5.3	2	22
	SM -U-DSTTAC-2(2x0,9)A9AAU-A1- BK	G.657.A1	5.3	2	22
	SM -U-DSTTAC-2(2x0,9)A9AAU-A2- BK	G.657.A2	5.3	2	22
	SM -U-DSTTAC-2(2x0,9)A9AAU-B3- BK	G.657.B3	5.3	2	22
MULTIMODE	SM -U-DSTTAC-2(2x0,9)A9AAU-OM1- BK	OM1	5.3	2	22
	SM -U-DSTTAC-2(2x0,9)A9AAU-OM2- BK	OM2	5.3	2	22
	SM -U-DSTTAC-2(2x0,9)A9AAU-OM3- BK	OM3	5.3	2	22
	SM -U-DSTTAC-2(2x0,9)A9AAU-OM4- BK	OM4	5.3	2	22
SINGLEMODE	SM -U-DSTTAC-4(4x0,9)A9AAU-DA1-BK	G.652.D/G.657.A1	5.8	4	26
	SM -U-DSTTAC-4(4x0,9)A9AAU-A1- BK	G.657.A1	5.8	4	26
	SM -U-DSTTAC-4(4x0,9)A9AAU-A2- BK	G.657.A2	5.8	4	26
	SM -U-DSTTAC-4(4x0,9)A9AAU-B3- BK	G.657.B3	5.8	4	26
MULTIMODE	SM -U-DSTTAC-4(4x0,9)A9AAU-OM1- BK	OM1	5.8	4	26
	SM -U-DSTTAC-4(4x0,9)A9AAU-OM2- BK	OM2	5.8	4	26
	SM -U-DSTTAC-4(4x0,9)A9AAU-OM3- BK	OM3	5.8	4	26
	SM -U-DSTTAC-4(4x0,9)A9AAU-OM4- BK	OM4	5.8	4	26
SINGLEMODE	SM -U-DSTTAC-8(8x0,9)A9AAU-DA1-BK	G.652.D/G.657.A1	6.3	8	31
	SM -U-DSTTAC-8(8x0,9)A9AAU-A1- BK	G.657.A1	6.3	8	31
	SM -U-DSTTAC-8(8x0,9)A9AAU-A2- BK	G.657.A2	6.3	8	31
	SM -U-DSTTAC-8(8x0,9)A9AAU-B3- BK	G.657.B3	6.3	8	31
MULTIMODE	SM -U-DSTTAC-8(8x0,9)A9AAU-OM1- BK	OM1	6.3	8	31
	SM -U-DSTTAC-8(8x0,9)A9AAU-OM2- BK	OM2	6.3	8	31
	SM -U-DSTTAC-8(8x0,9)A9AAU-OM3- BK	OM3	6.3	8	31
	SM -U-DSTTAC-8(8x0,9)A9AAU-OM4- BK	OM4	6.3	8	31

DESCRIPTION:

Hybrid construction for camera systems.



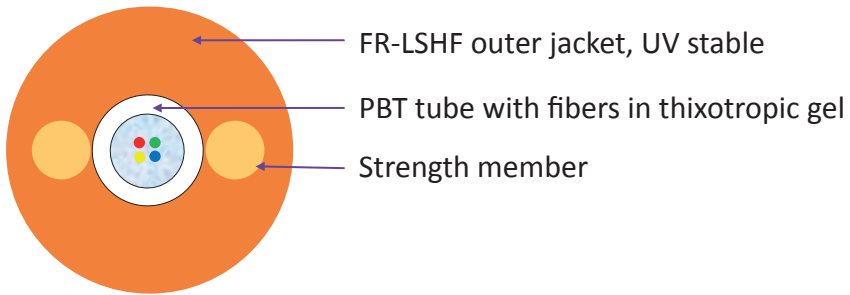
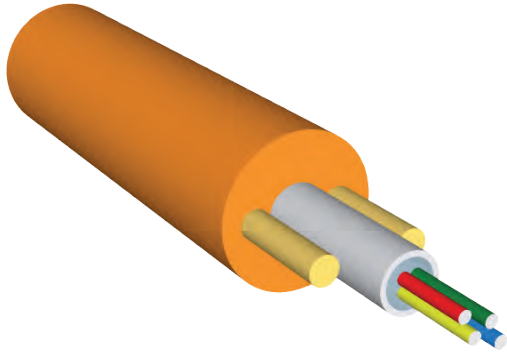
# Hybrid fiber-optic cable

	Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SINGLEMODE MULTIMODE	SM -U-SPC-2(4×1,8)A9AHEU-A1-BK	G.657.A1	7.0	2	67
	SM -U-SPC-2(4×1,8)A9AHEU-A2- BK	G.657.A2	7.0	2	67
	SM -U-SPC-2(4×1,8)A9AHEU-B3- BK	G.657.B3	7.0	2	67
	SM -U-SPC-2(4×1,8)A9AHEU-OM1- BK	OM1	7.0	2	67
	SM -U-SPC-2(4×1,8)A9AHEU-OM2- BK	OM2	7.0	2	67
	SM -U-SPC-2(4×1,8)A9AHEU-OM3- BK	OM3	7.0	2	67
	SM -U-SPC-2(4×1,8)A9AHEU-OM4- BK	OM4	7.0	2	67



**DESCRIPTION:**

The cable consists of a single central tube with coloured 250 µm fibres; the jacket is made from the FR-LSHF compound. Under the jacket are two FRP members. Ideal for indoor FTTH networks.



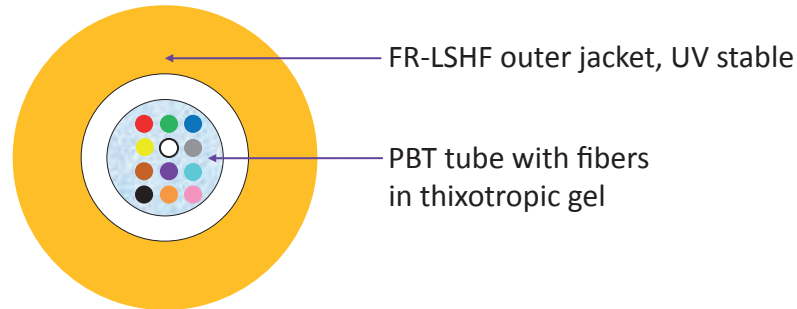
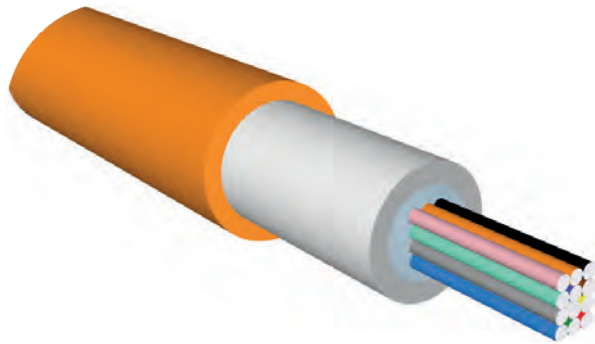
# Indoor/Outdoor Unitube Micro cable

	Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SINGLEMODE	SM -U-CTS-2(1x1,2)LTTH-D-BK	G.652.D	3.0	2	11
	SM -U-CTS-2(1x1,2)LTTH-DA1-BK	G.652.D/G.657.A1	3.0	2	11
	SM -U-CTS-2(1x1,2)LTTH-A1-BK	G.657.A1	3.0	2	11
	SM -U-CTS-2(1x1,2)LTTH-A2-BK	G.657.A2	3.0	2	11
	SM -U-CTS-2(1x1,2)LTTH-B3-BK	G.657.B3	3.0	2	11
MULTIMODE	SM -U-CTS-2(1x1,2)LTTH-OM1-BK	OM1	3.0	2	11
	SM -U-CTS-2(1x1,2)LTTH-OM2-BK	OM2	3.0	2	11
	SM -U-CTS-2(1x1,2)LTTH-OM3-BK	OM3	3.0	2	11
	SM -U-CTS-2(1x1,2)LTTH-OM4-BK	OM4	3.0	2	11
SINGLEMODE	SM -U-CTS-4(1x1,2)LTTH-D-BK	G.652.D	3.0	4	11
	SM -U-CTS-4(1x1,2)LTTH-DA1-BK	G.652.D/G.657.A1	3.0	4	11
	SM -U-CTS-4(1x1,2)LTTH-A1-BK	G.657.A1	3.0	4	11
	SM -U-CTS-4(1x1,2)LTTH-A2-BK	G.657.A2	3.0	4	11
	SM -U-CTS-4(1x1,2)LTTH-B3-BK	G.657.B3	3.0	4	11
MULTIMODE	SM -U-CTS-4(1x1,2)LTTH-OM1-BK	OM1	3.0	4	11
	SM -U-CTS-4(1x1,2)LTTH-OM2-BK	OM2	3.0	4	11
	SM -U-CTS-4(1x1,2)LTTH-OM3-BK	OM3	3.0	4	11
	SM -U-CTS-4(1x1,2)LTTH-OM4-BK	OM4	3.0	4	11

# Indoor/Outdoor Unitube Micro cable

## DESCRIPTION:

The cable consists of a single central tube with coloured 250 µm fibres; the jacket is made from the FR-LSHF compound. The cable has lightweight construction and small diameter. Ideal for installation in a wide range of networks



	Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SINGLEMODE	SM-U-CTM-2(1x2,0)LTH-D-BK	G.652.D	3.0	2	10
	SM-U-CTM-2(1x2,0)LTH-DA1-BK	G.652.D/G.657.A1	3.0	2	10
	SM-U-CTM-2(1x2,0)LTH-A1-BK	G.657.A1	3.0	2	10
	SM-U-CTM-2(1x2,0)LTH-A2-BK	G.657.A2	3.0	2	10
	SM-U-CTM-2(1x2,0)LTH-B3-BK	G.657.B3	3.0	2	10
MULTIMODE	SM-U-CTM-2(1x2,0)LTH-OM1-BK	OM1	3.0	2	10
	SM-U-CTM-2(1x2,0)LTH-OM2-BK	OM2	3.0	2	10
	SM-U-CTM-2(1x2,0)LTH-OM3-BK	OM3	3.0	2	10
	SM-U-CTM-2(1x2,0)LTH-OM4-BK	OM4	3.0	2	10
SINGLEMODE	SM-U-CTM-4(1x2,0)LTH-D-BK	G.652.D	3.0	4	10
	SM-U-CTM-4(1x2,0)LTH-DA1-BK	G.652.D/G.657.A1	3.0	4	10
	SM-U-CTM-4(1x2,0)LTH-A1-BK	G.657.A1	3.0	4	10
	SM-U-CTM-4(1x2,0)LTH-A2-BK	G.657.A2	3.0	4	10
	SM-U-CTM-4(1x2,0)LTH-B3-BK	G.657.B3	3.0	4	10
MULTIMODE	SM-U-CTM-4(1x2,0)LTH-OM1-BK	OM1	3.0	4	10
	SM-U-CTM-4(1x2,0)LTH-OM2-BK	OM2	3.0	4	10
	SM-U-CTM-4(1x2,0)LTH-OM3-BK	OM3	3.0	4	10
	SM-U-CTM-4(1x2,0)LTH-OM4-BK	OM4	3.0	4	10

Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SM-U-CTM-6(1x2,0)LTH-D-BK	G.652.D	3.0	6	10
SM-U-CTM-6(1x2,0)LTH-DA1-BK	G.652.D/G.657.A1	3.0	6	10
SM-U-CTM-6(1x2,0)LTH-A1-BK	G.657.A1	3.0	6	10
SM-U-CTM-6(1x2,0)LTH-A2-BK	G.657.A2	3.0	6	10
SM-U-CTM-6(1x2,0)LTH-B3-BK	G.657.B3	3.0	6	10
SM-U-CTM-6(1x2,0)LTH-OM1-BK	OM1	3.0	6	10
SM-U-CTM-6(1x2,0)LTH-OM2-BK	OM2	3.0	6	10
SM-U-CTM-6(1x2,0)LTH-OM3-BK	OM3	3.0	6	10
SM-U-CTM-6(1x2,0)LTH-OM4-BK	OM4	3.0	6	10

SINGLEMODE

MULTIMODE

SM-U-CTM-8(1x2,0)LTH-D-BK	G.652.D	3.0	8	10
SM-U-CTM-8(1x2,0)LTH-DA1-BK	G.652.D/G.657.A1	3.0	8	10
SM-U-CTM-8(1x2,0)LTH-A1-BK	G.657.A1	3.0	8	10
SM-U-CTM-8(1x2,0)LTH-A2-BK	G.657.A2	3.0	8	10
SM-U-CTM-8(1x2,0)LTH-B3-BK	G.657.B3	3.0	8	10
SM-U-CTM-8(1x2,0)LTH-OM1-BK	OM1	3.0	8	10
SM-U-CTM-8(1x2,0)LTH-OM2-BK	OM2	3.0	8	10
SM-U-CTM-8(1x2,0)LTH-OM3-BK	OM3	3.0	8	10
SM-U-CTM-8(1x2,0)LTH-OM4-BK	OM4	3.0	8	10

SINGLEMODE

MULTIMODE

SM-U-CTM-12(1x2,0)LTH-D-BK	G.652.D	3.0	12	10
SM-U-CTM-12(1x2,0)LTH-DA1-BK	G.652.D/G.657.A1	3.0	12	10
SM-U-CTM-12(1x2,0)LTH-A1-BK	G.657.A1	3.0	12	10
SM-U-CTM-12(1x2,0)LTH-A2-BK	G.657.A2	3.0	12	10
SM-U-CTM-12(1x2,0)LTH-B3-BK	G.657.B3	3.0	12	10
SM-U-CTM-12(1x2,0)LTH-OM1-BK	OM1	3.0	12	10
SM-U-CTM-12(1x2,0)LTH-OM2-BK	OM2	3.0	12	10
SM-U-CTM-12(1x2,0)LTH-OM3-BK	OM3	3.0	12	10
SM-U-CTM-12(1x2,0)LTH-OM4-BK	OM4	3.0	12	10

SINGLEMODE

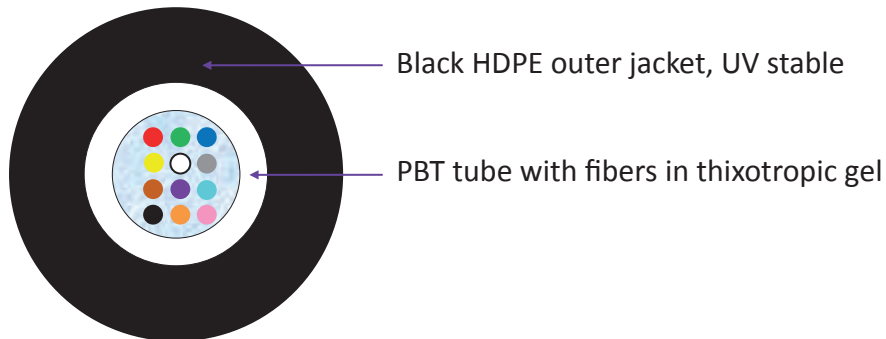
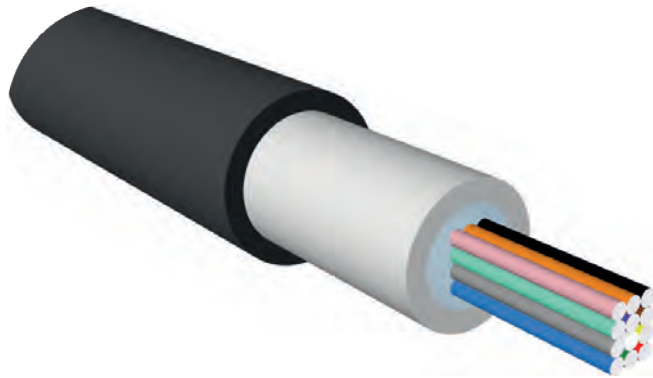
MULTIMODE

Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SM-U-CTM-16(1x3,0)LTH-D-BK	G.652.D	4.0	16	17
SM-U-CTM-16(1x3,0)LTH-DA1-BK	G.652.D/G.657.A1	4.0	16	17
SM-U-CTM-16(1x3,0)LTH-A1-BK	G.657.A1	4.0	16	17
SM-U-CTM-16(1x3,0)LTH-A2-BK	G.657.A2	4.0	16	17
SM-U-CTM-16(1x3,0)LTH-B3-BK	G.657.B3	4.0	16	17
SM-U-CTM-16(1x3,0)LTH-OM1-BK	OM1	4.0	16	17
SM-U-CTM-16(1x3,0)LTH-OM2-BK	OM2	4.0	16	17
SM-U-CTM-16(1x3,0)LTH-OM3-BK	OM3	4.0	16	17
SM-U-CTM-16(1x3,0)LTH-OM4-BK	OM4	4.0	16	17

SM-U-CTM-24(1x3,0)LTH-D-BK	G.652.D	4.0	24	17
SM-U-CTM-24(1x3,0)LTH-DA1-BK	G.652.D/G.657.A1	4.0	24	17
SM-U-CTM-24(1x3,0)LTH-A1-BK	G.657.A1	4.0	24	17
SM-U-CTM-24(1x3,0)LTH-A2-BK	G.657.A2	4.0	24	17
SM-U-CTM-24(1x3,0)LTH-B3-BK	G.657.B3	4.0	24	17
SM-U-CTM-24(1x3,0)LTH-OM1-BK	OM1	4.0	24	17
SM-U-CTM-24(1x3,0)LTH-OM2-BK	OM2	4.0	24	17
SM-U-CTM-24(1x3,0)LTH-OM3-BK	OM3	4.0	24	17
SM-U-CTM-24(1x3,0)LTH-OM4-BK	OM4	4.0	24	17

**DESCRIPTION:**

The cable consists of a single central tube containing coloured 250 µm fibres and a jacket from HDPE. The cable has a lightweight construction and a small diameter. Ideal for installation by air-blowing.



# Outdoor Unitube Micro Cable

	Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SINGLEMODE	SM-O-CTM-2(1x2.0)LTP-D-BK	G.652.D	3.0	2	8
	SM-O-CTM-2(1x2.0)LTP-DA1-BK	G.652.D/G.657.A1	3.0	2	8
	SM-O-CTM-2(1x2.0)LTP-A1-BK	G.657.A1	3.0	2	8
	SM-O-CTM-2(1x2.0)LTP-A2-BK	G.657.A2	3.0	2	8
	SM-O-CTM-2(1x2.0)LTP-B3-BK	G.657.B3	3.0	2	8
MULTIMODE	SM-O-CTM-2(1x2.0)LTP-OM1-BK	OM1	3.0	2	8
	SM-O-CTM-2(1x2.0)LTP-OM2-BK	OM2	3.0	2	8
	SM-O-CTM-2(1x2.0)LTP-OM3-BK	OM3	3.0	2	8
	SM-O-CTM-2(1x2.0)LTP-OM4-BK	OM4	3.0	2	8
SINGLEMODE	SM-O-CTM-4(1x2.0)LTP-D-BK	G.652.D	3.0	4	8
	SM-O-CTM-4(1x2.0)LTP-DA1-BK	G.652.D/G.657.A1	3.0	4	8
	SM-O-CTM-4(1x2.0)LTP-A1-BK	G.657.A1	3.0	4	8
	SM-O-CTM-4(1x2.0)LTP-A2-BK	G.657.A2	3.0	4	8
	SM-O-CTM-4(1x2.0)LTP-B3-BK	G.657.B3	3.0	4	8
MULTIMODE	SM-O-CTM-4(1x2.0)LTP-OM1-BK	OM1	3.0	4	8
	SM-O-CTM-4(1x2.0)LTP-OM2-BK	OM2	3.0	4	8
	SM-O-CTM-4(1x2.0)LTP-OM3-BK	OM3	3.0	4	8
	SM-O-CTM-4(1x2.0)LTP-OM4-BK	OM4	3.0	4	8

Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SM-O-CTM-6(1x2.0)LTP-D-BK	G.652.D	3.0	6	8
SM-O-CTM-6(1x2.0)LTP-DA1-BK	G.652.D/G.657.A1	3.0	6	8
SM-O-CTM-6(1x2.0)LTP-A1-BK	G.657.A1	3.0	6	8
SM-O-CTM-6(1x2.0)LTP-A2-BK	G.657.A2	3.0	6	8
SM-O-CTM-6(1x2.0)LTP-B3-BK	G.657.B3	3.0	6	8
SM-O-CTM-6(1x2.0)LTP-OM1-BK	OM1	3.0	6	8
SM-O-CTM-6(1x2.0)LTP-OM2-BK	OM2	3.0	6	8
SM-O-CTM-6(1x2.0)LTP-OM3-BK	OM3	3.0	6	8
SM-O-CTM-6(1x2.0)LTP-OM4-BK	OM4	3.0	6	8

SINGLEMODE

MULTIMODE

Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SM-O-CTM-16(1x3,0)LTP-D-BK	G.652.D	4.0	16	14
SM-O-CTM-16(1x3,0)LTP-DA1-BK	G.652.D/G.657.A1	4.0	16	14
SM-O-CTM-16(1x3,0)LTP-A1-BK	G.657.A1	4.0	16	14
SM-O-CTM-16(1x3,0)LTP-A2-BK	G.657.A2	4.0	16	14
SM-O-CTM-16(1x3,0)LTP-B3-BK	G.657.B3	4.0	16	14
SM-O-CTM-16(1x3,0)LTP-OM1-BK	OM1	4.0	16	14
SM-O-CTM-16(1x3,0)LTP-OM2-BK	OM2	4.0	16	14
SM-O-CTM-16(1x3,0)LTP-OM3-BK	OM3	4.0	16	14
SM-O-CTM-16(1x3,0)LTP-OM4-BK	OM4	4.0	16	14

SM-O-CTM-8(1x2.0)LTP-D-BK	G.652.D	3.0	8	8
SM-O-CTM-8(1x2.0)LTP-DA1-BK	G.652.D/G.657.A1	3.0	8	8
SM-O-CTM-8(1x2.0)LTP-A1-BK	G.657.A1	3.0	8	8
SM-O-CTM-8(1x2.0)LTP-A2-BK	G.657.A2	3.0	8	8
SM-O-CTM-8(1x2.0)LTP-B3-BK	G.657.B3	3.0	8	8
SM-O-CTM-8(1x2.0)LTP-OM1-BK	OM1	3.0	8	8
SM-O-CTM-8(1x2.0)LTP-OM2-BK	OM2	3.0	8	8
SM-O-CTM-8(1x2.0)LTP-OM3-BK	OM3	3.0	8	8
SM-O-CTM-8(1x2.0)LTP-OM4-BK	OM4	3.0	8	8

SINGLEMODE

MULTIMODE

SM-O-CTM-24(1x3,0)LTP-D-BK	G.652.D	4.0	24	14
SM-O-CTM-24(1x3,0)LTP-DA1-BK	G.652.D/G.657.A1	4.0	24	14
SM-O-CTM-24(1x3,0)LTP-A1-BK	G.657.A1	4.0	24	14
SM-O-CTM-24(1x3,0)LTP-A2-BK	G.657.A2	4.0	24	14
SM-O-CTM-24(1x3,0)LTP-B3-BK	G.657.B3	4.0	24	14
SM-O-CTM-24(1x3,0)LTP-OM1-BK	OM1	4.0	24	14
SM-O-CTM-24(1x3,0)LTP-OM2-BK	OM2	4.0	24	14
SM-O-CTM-24(1x3,0)LTP-OM3-BK	OM3	4.0	24	14
SM-O-CTM-24(1x3,0)LTP-OM4-BK	OM4	4.0	24	14

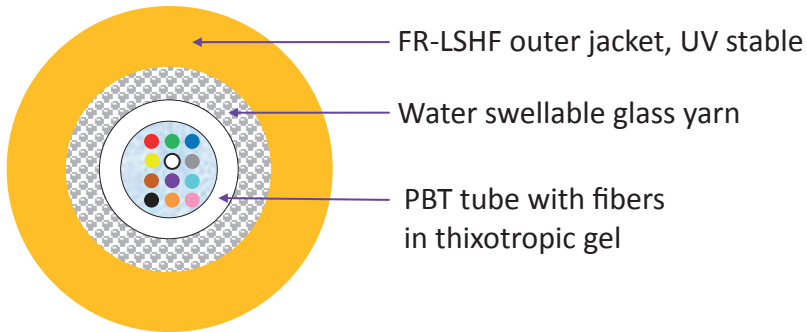
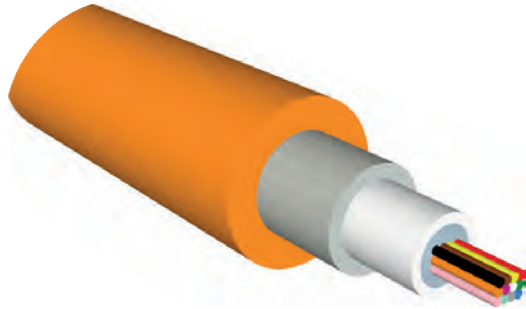
SM-O-CTM-12(1x2.0)LTP-D-BK	G.652.D	3.0	12	8
SM-O-CTM-12(1x2.0)LTP-DA1-BK	G.652.D/G.657.A1	3.0	12	8
SM-O-CTM-12(1x2.0)LTP-A1-BK	G.657.A1	3.0	12	8
SM-O-CTM-12(1x2.0)LTP-A2-BK	G.657.A2	3.0	12	8
SM-O-CTM-12(1x2.0)LTP-B3-BK	G.657.B3	3.0	12	8
SM-O-CTM-12(1x2.0)LTP-OM1-BK	OM1	3.0	12	8
SM-O-CTM-12(1x2.0)LTP-OM2-BK	OM2	3.0	12	8
SM-O-CTM-12(1x2.0)LTP-OM3-BK	OM3	3.0	12	8
SM-O-CTM-12(1x2.0)LTP-OM4-BK	OM4	3.0	12	8

SINGLEMODE

MULTIMODE

**DESCRIPTION:**

The cable consists of a single central tube with coloured 250 µm fibres; around the tube is a layer of the water swellable glass yarns that act as tensile strength members; the jacket is made from the FR-LSHF compound. The cable has a lightweight construction and small diameter. Ideal for installation in a wide range of networks



# Indoor/Outdoor glass yarn protected Unitube Cable

	Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SINGLEMODE	SM-U-CTS-2(1x2,3)LTGH-D-BK	G.652.D	5.2	2	33
	SM-U-CTS-2(1x2,3)LTGH-DA1-BK	G.652.D/G.657.A1	5.2	2	33
	SM-U-CTS-2(1x2,3)LTGH-A1-BK	G.657.A1	5.2	2	33
	SM-U-CTS-2(1x2,3)LTGH-A2-BK	G.657.A2	5.2	2	33
	SM-U-CTS-2(1x2,3)LTGH-B3-BK	G.657.B3	5.2	2	33
MULTIMODE	SM-U-CTS-2(1x2,3)LTGH-OM1-BK	OM1	5.2	2	33
	SM-U-CTS-2(1x2,3)LTGH-OM2-BK	OM2	5.2	2	33
	SM-U-CTS-2(1x2,3)LTGH-OM3-BK	OM3	5.2	2	33
	SM-U-CTS-2(1x2,3)LTGH-OM4-BK	OM4	5.2	2	33
SINGLEMODE	SM-U-CTS-4(1x2,3)LTGH-D-BK	G.652.D	5.2	4	33
	SM-U-CTS-4(1x2,3)LTGH-DA1-BK	G.652.D/G.657.A1	5.2	4	33
	SM-U-CTS-4(1x2,3)LTGH-A1-BK	G.657.A1	5.2	4	33
	SM-U-CTS-4(1x2,3)LTGH-A2-BK	G.657.A2	5.2	4	33
	SM-U-CTS-4(1x2,3)LTGH-B3-BK	G.657.B3	5.2	4	33
MULTIMODE	SM-U-CTS-4(1x2,3)LTGH-OM1-BK	OM1	5.2	4	33
	SM-U-CTS-4(1x2,3)LTGH-OM2-BK	OM2	5.2	4	33
	SM-U-CTS-4(1x2,3)LTGH-OM3-BK	OM3	5.2	4	33
	SM-U-CTS-4(1x2,3)LTGH-OM4-BK	OM4	5.2	4	33

Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SM-U-CTS-6(1x2,3)LTGH-D-BK	G.652.D	5.2	6	33
SM-U-CTS-6(1x2,3)LTGH-DA1-BK	G.652.D/G.657.A1	5.2	6	33
SM-U-CTS-6(1x2,3)LTGH-A1-BK	G.657.A1	5.2	6	33
SM-U-CTS-6(1x2,3)LTGH-A2-BK	G.657.A2	5.2	6	33
SM-U-CTS-6(1x2,3)LTGH-B3-BK	G.657.B3	5.2	6	33
SM-U-CTS-6(1x2,3)LTGH-OM1-BK	OM1	5.2	6	33
SM-U-CTS-6(1x2,3)LTGH-OM2-BK	OM2	5.2	6	33
SM-U-CTS-6(1x2,3)LTGH-OM3-BK	OM3	5.2	6	33
SM-U-CTS-6(1x2,3)LTGH-OM4-BK	OM4	5.2	6	33

SINGLEMODE

MULTIMODE

Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SM-U-CTS-16(1x3,0)LTGH-D-BK	G.652.D	5.8	16	41
SM-U-CTS-16(1x3,0)LTGH-DA1-BK	G.652.D/G.657.A1	5.8	16	41
SM-U-CTS-16(1x3,0)LTGH-A1-BK	G.657.A1	5.8	16	41
SM-U-CTS-16(1x3,0)LTGH-A2-BK	G.657.A2	5.8	16	41
SM-U-CTS-16(1x3,0)LTGH-B3-BK	G.657.B3	5.8	16	41
SM-U-CTS-16(1x3,0)LTGH-OM1-BK	OM1	5.8	16	41
SM-U-CTS-16(1x3,0)LTGH-OM2-BK	OM2	5.8	16	41
SM-U-CTS-16(1x3,0)LTGH-OM3-BK	OM3	5.8	16	41
SM-U-CTS-16(1x3,0)LTGH-OM4-BK	OM4	5.8	16	41

SM-U-CTS-8(1x2,3)LTGH-D-BK	G.652.D	5.2	8	33
SM-U-CTS-8(1x2,3)LTGH-DA1-BK	G.652.D/G.657.A1	5.2	8	33
SM-U-CTS-8(1x2,3)LTGH-A1-BK	G.657.A1	5.2	8	33
SM-U-CTS-8(1x2,3)LTGH-A2-BK	G.657.A2	5.2	8	33
SM-U-CTS-8(1x2,3)LTGH-B3-BK	G.657.B3	5.2	8	33
SM-U-CTS-8(1x2,3)LTGH-OM1-BK	OM1	5.2	8	33
SM-U-CTS-8(1x2,3)LTGH-OM2-BK	OM2	5.2	8	33
SM-U-CTS-8(1x2,3)LTGH-OM3-BK	OM3	5.2	8	33
SM-U-CTS-8(1x2,3)LTGH-OM4-BK	OM4	5.2	8	33

SINGLEMODE

MULTIMODE

SM-U-CTS-24(1x3,0)LTGH-D-BK	G.652.D	5.8	24	41
SM-U-CTS-24(1x3,0)LTGH-DA1-BK	G.652.D/G.657.A1	5.8	24	41
SM-U-CTS-24(1x3,0)LTGH-A1-BK	G.657.A1	5.8	24	41
SM-U-CTS-24(1x3,0)LTGH-A2-BK	G.657.A2	5.8	24	41
SM-U-CTS-24(1x3,0)LTGH-B3-BK	G.657.B3	5.8	24	41
SM-U-CTS-24(1x3,0)LTGH-OM1-BK	OM1	5.8	24	41
SM-U-CTS-24(1x3,0)LTGH-OM2-BK	OM2	5.8	24	41
SM-U-CTS-24(1x3,0)LTGH-OM3-BK	OM3	5.8	24	41
SM-U-CTS-24(1x3,0)LTGH-OM4-BK	OM4	5.8	24	41

SM-U-CTS-12(1x2,3)LTGH-D-BK	G.652.D	5.2	12	33
SM-U-CTS-12(1x2,3)LTGH-DA1-BK	G.652.D/G.657.A1	5.2	12	33
SM-U-CTS-12(1x2,3)LTGH-A1-BK	G.657.A1	5.2	12	33
SM-U-CTS-12(1x2,3)LTGH-A2-BK	G.657.A2	5.2	12	33
SM-U-CTS-12(1x2,3)LTGH-B3-BK	G.657.B3	5.2	12	33
SM-U-CTS-12(1x2,3)LTGH-OM1-BK	OM1	5.2	12	33
SM-U-CTS-12(1x2,3)LTGH-OM2-BK	OM2	5.2	12	33
SM-U-CTS-12(1x2,3)LTGH-OM3-BK	OM3	5.2	12	33
SM-U-CTS-12(1x2,3)LTGH-OM4-BK	OM4	5.2	12	33

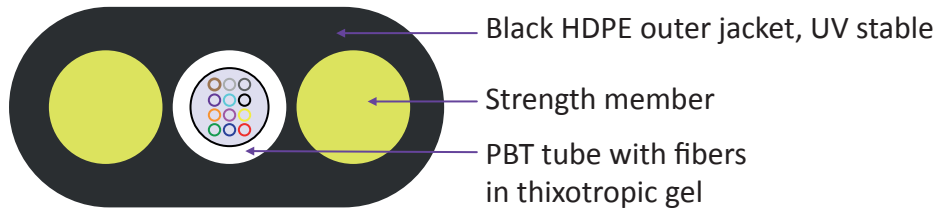
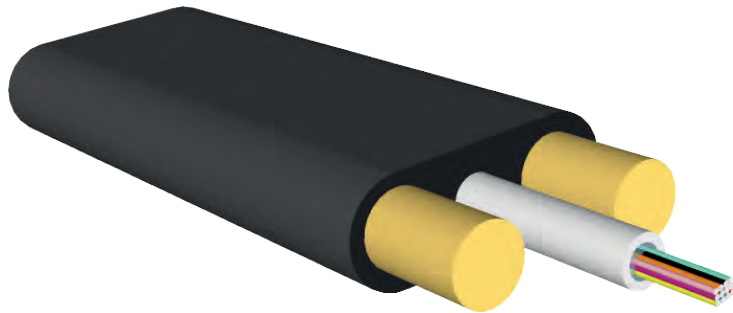
SINGLEMODE

MULTIMODE



**DESCRIPTION:**

The cable consists of a single central tube containing coloured 250 µm fibres; the tube is placed between two FRP members; the jacket is made from a HDPE. The cable is compact with an easy-to-access design for easy installation and handling. Suitable for self-supporting aerials, direct burial, FTTX drop installations.



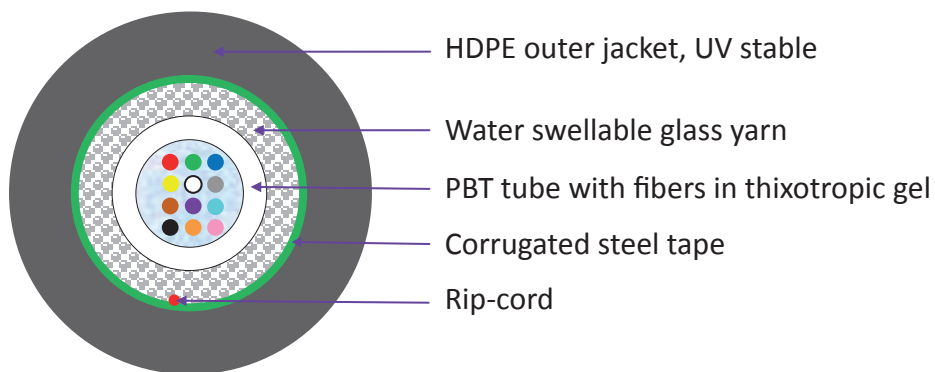
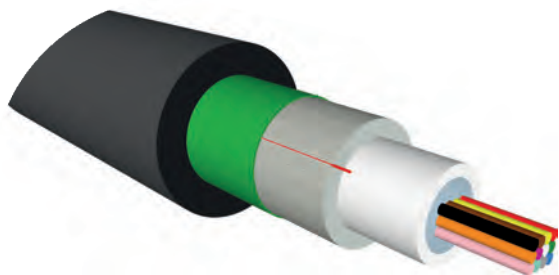
## Flat Aerial Cable

	Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SINGLEMODE	SM-O-CTP-4(1x1,9)LTFP-D-BK	G.652.D	8,0 x 4,0	4	34
	SM-O-CTP-4(1x1,9)LTFP-DA1-BK	G.652.D/G.657.A1	8,0 x 4,0	4	34
	SM-O-CTP-4(1x1,9)LTFP-A1-BK	G.657.A1	8,0 x 4,0	4	34
	SM-O-CTP-4(1x1,9)LTFP-A2-BK	G.657.A2	8,0 x 4,0	4	34
	SM-O-CTP-4(1x1,9)LTFP-B3-BK	G.657.B3	8,0 x 4,0	4	34
MULTIMODE	SM-O-CTP-4(1x1,9)LTFP-OM1-BK	OM1	8,0 x 4,0	4	34
	SM-O-CTP-4(1x1,9)LTFP-OM2-BK	OM2	8,0 x 4,0	4	34
	SM-O-CTP-4(1x1,9)LTFP-OM3-BK	OM3	8,0 x 4,0	4	34
	SM-O-CTP-4(1x1,9)LTFP-OM4-BK	OM4	8,0 x 4,0	4	34
SINGLEMODE	SM-O-CTP-8(1x1,9)LTFP-D-BK	G.652.D	8,0 x 4,0	8	35
	SM-O-CTP-8(1x1,9)LTFP-DA1-BK	G.652.D/G.657.A1	8,0 x 4,0	8	35
	SM-O-CTP-8(1x1,9)LTFP-A1-BK	G.657.A1	8,0 x 4,0	8	35
	SM-O-CTP-8(1x1,9)LTFP-A2-BK	G.657.A2	8,0 x 4,0	8	35
	SM-O-CTP-8(1x1,9)LTFP-B3-BK	G.657.B3	8,0 x 4,0	8	35
MULTIMODE	SM-O-CTP-8(1x1,9)LTFP-OM1-BK	OM1	8,0 x 4,0	8	35
	SM-O-CTP-8(1x1,9)LTFP-OM2-BK	OM2	8,0 x 4,0	8	35
	SM-O-CTP-8(1x1,9)LTFP-OM3-BK	OM3	8,0 x 4,0	8	35
	SM-O-CTP-8(1x1,9)LTFP-OM4-BK	OM4	8,0 x 4,0	8	35
SINGLEMODE	SM-O-CTP-12(1x1,9)LTFP-D-BK	G.652.D	8,0 x 4,0	12	36
	SM-O-CTP-12(1x1,9)LTFP-DA1-BK	G.652.D/G.657.A1	8,0 x 4,0	12	36
	SM-O-CTP-12(1x1,9)LTFP-A1-BK	G.657.A1	8,0 x 4,0	12	36
	SM-O-CTP-12(1x1,9)LTFP-A2-BK	G.657.A2	8,0 x 4,0	12	36
	SM-O-CTP-12(1x1,9)LTFP-B3-BK	G.657.B3	8,0 x 4,0	12	36
MULTIMODE	SM-O-CTP-12(1x1,9)LTFP-OM1-BK	OM1	8,0 x 4,0	12	36
	SM-O-CTP-12(1x1,9)LTFP-OM2-BK	OM2	8,0 x 4,0	12	36
	SM-O-CTP-12(1x1,9)LTFP-OM3-BK	OM3	8,0 x 4,0	12	36
	SM-O-CTP-12(1x1,9)LTFP-OM4-BK	OM4	8,0 x 4,0	12	36



**DESCRIPTION:**

The cable consists of a single central tube containing coloured 250 µm fibres; around the tube is a layer of water swellable glass yarns that act as tensile strength members; under the jacket is corrugated steel tape that acts as armouring; the jacket is made from HDPE. The cable has excellent rodent protection and is suitable for direct laying into the soil.

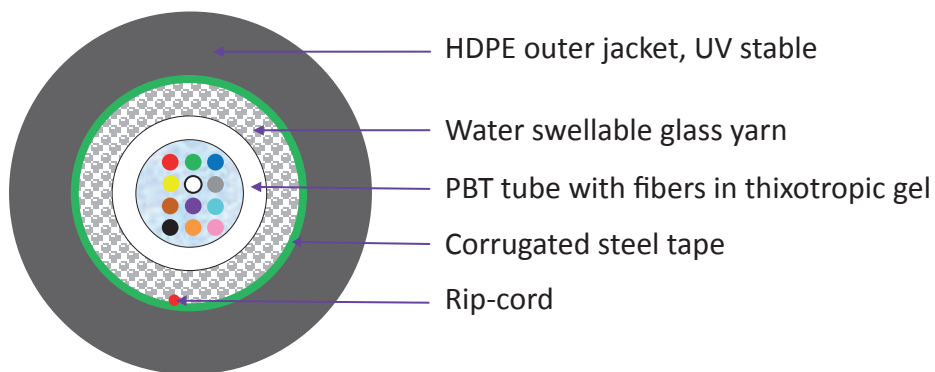
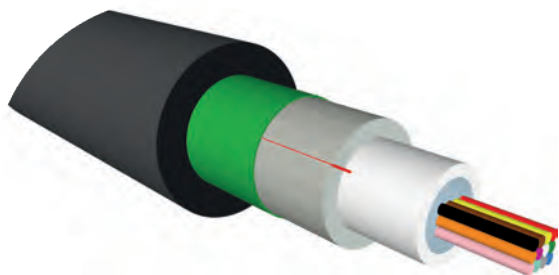


## Outdoor CST Armoured Unitube Cable

	Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SINGLEMODE	SM-O-CTS-6(1x3,0)LTGXP-D-BK	G.652.D	7.7	6	70
	SM-O-CTS-6(1x3,0)LTGXP-DA1-BK	G.652.D/G.657.A1	7.7	6	70
	SM-O-CTS-6(1x3,0)LTGXP-A1-BK	G.657.A1	7.7	6	70
	SM-O-CTS-6(1x3,0)LTGXP-A2-BK	G.657.A2	7.7	6	70
MULTIMODE	SM-O-CTS-6(1x3,0)LTGXP-B3-BK	G.657.B3	7.7	6	70
	SM-O-CTS-6(1x3,0)LTGXP-OM1-BK	OM1	7.7	6	70
	SM-O-CTS-6(1x3,0)LTGXP-OM2-BK	OM2	7.7	6	70
	SM-O-CTS-6(1x3,0)LTGXP-OM3-BK	OM3	7.7	6	70
SINGLEMODE	SM-O-CTS-8(1x3,0)LTGXP-D-BK	G.652.D	7.7	8	70
	SM-O-CTS-8(1x3,0)LTGXP-DA1-BK	G.652.D/G.657.A1	7.7	8	70
	SM-O-CTS-8(1x3,0)LTGXP-A1-BK	G.657.A1	7.7	8	70
	SM-O-CTS-8(1x3,0)LTGXP-A2-BK	G.657.A2	7.7	8	70
MULTIMODE	SM-O-CTS-8(1x3,0)LTGXP-B3-BK	G.657.B3	7.7	8	70
	SM-O-CTS-8(1x3,0)LTGXP-OM1-BK	OM1	7.7	8	70
	SM-O-CTS-8(1x3,0)LTGXP-OM2-BK	OM2	7.7	8	70
	SM-O-CTS-8(1x3,0)LTGXP-OM3-BK	OM3	7.7	8	70
SINGLEMODE	SM-O-CTS-12(1x3,0)LTGXP-D-BK	G.652.D	7.7	12	70
	SM-O-CTS-12(1x3,0)LTGXP-DA1-BK	G.652.D/G.657.A1	7.7	12	70
	SM-O-CTS-12(1x3,0)LTGXP-A1-BK	G.657.A1	7.7	12	70
	SM-O-CTS-12(1x3,0)LTGXP-A2-BK	G.657.A2	7.7	12	70
MULTIMODE	SM-O-CTS-12(1x3,0)LTGXP-B3-BK	G.657.B3	7.7	12	70
	SM-O-CTS-12(1x3,0)LTGXP-OM1-BK	OM1	7.7	12	70
	SM-O-CTS-12(1x3,0)LTGXP-OM2-BK	OM2	7.7	12	70
	SM-O-CTS-12(1x3,0)LTGXP-OM3-BK	OM3	7.7	12	70
MULTIMODE	SM-O-CTS-12(1x3,0)LTGXP-OM4-BK	OM4	7.7	12	70

**DESCRIPTION:**

The cable consists of a single central tube containing coloured 250 µm fibres; around the tube is a layer of water swellable glass yarns that act as tensile strength members; under the jacket is corrugated steel tape that acts as armouring; the jacket is made from HDPE. The cable has excellent rodent protection and is suitable for direct laying into the soil.

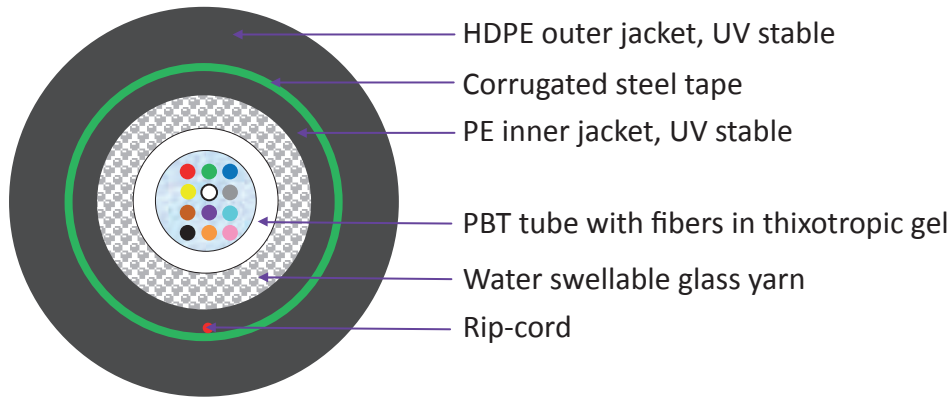
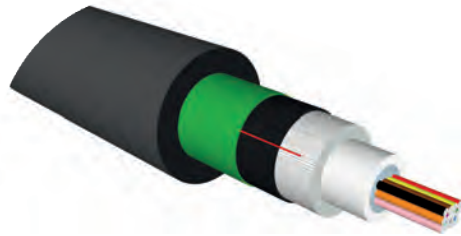


# Outdoor CST Armoured Unitube Cable

	Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SINGLEMODE	SM-O-CTS-16(1x3,0)LTGXP-D-BK	G.652.D	7.7	16	70
	SM-O-CTS-16(1x3,0)LTGXP-DA1-BK	G.652.D/G.657.A1	7.7	16	70
	SM-O-CTS-16(1x3,0)LTGXP-A1-BK	G.657.A1	7.7	16	70
	SM-O-CTS-16(1x3,0)LTGXP-A2-BK	G.657.A2	7.7	16	70
	SM-O-CTS-16(1x3,0)LTGXP-B3-BK	G.657.B3	7.7	16	70
MULTIMODE	SM-O-CTS-16(1x3,0)LTGXP-OM1-BK	OM1	7.7	16	70
	SM-O-CTS-16(1x3,0)LTGXP-OM2-BK	OM2	7.7	16	70
	SM-O-CTS-16(1x3,0)LTGXP-OM3-BK	OM3	7.7	16	70
	SM-O-CTS-16(1x3,0)LTGXP-OM4-BK	OM4	7.7	16	70
SINGLEMODE	SM-O-CTS-24(1x3,0)LTGXP-D-BK	G.652.D	7.7	24	70
	SM-O-CTS-24(1x3,0)LTGXP-DA1-BK	G.652.D/G.657.A1	7.7	24	70
	SM-O-CTS-24(1x3,0)LTGXP-A1-BK	G.657.A1	7.7	24	70
	SM-O-CTS-24(1x3,0)LTGXP-A2-BK	G.657.A2	7.7	24	70
	SM-O-CTS-24(1x3,0)LTGXP-B3-BK	G.657.B3	7.7	24	70
MULTIMODE	SM-O-CTS-24(1x3,0)LTGXP-OM1-BK	OM1	7.7	24	70
	SM-O-CTS-24(1x3,0)LTGXP-OM2-BK	OM2	7.7	24	70
	SM-O-CTS-24(1x3,0)LTGXP-OM3-BK	OM3	7.7	24	70
	SM-O-CTS-24(1x3,0)LTGXP-OM4-BK	OM4	7.7	24	70
SINGLEMODE					
MULTIMODE					

**DESCRIPTION:**

The cable consists of a single central tube containing coloured 250 µm fibres; around the tube is a layer of water swellable glass yarns that act as tensile strength members; over the strength members is an inner jacket from PE. Under the outer jacket is corrugated steel tape that acts as armouring; the outer jacket is made from the HDPE. The cable has excellent rodent protection and is suitable for direct laying into the soil.



# Outdoor CST Armoured Unitube Cable

	Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SINGLEMODE	SM-O-CTS-2(1x3,0)LTGPXP-D-BK	G.652.D	10.0	2	100
	SM-O-CTS-2(1x3,0)LTGPXP-DA1-BK	G.652.D/G.657.A1	10.0	2	100
	SM-O-CTS-2(1x3,0)LTGPXP-A1-BK	G.657.A1	10.0	2	100
	SM-O-CTS-2(1x3,0)LTGPXP-A2-BK	G.657.A2	10.0	2	100
	SM-O-CTS-2(1x3,0)LTGPXP-B3-BK	G.657.B3	10.0	2	100
MULTIMODE	SM-O-CTS-2(1x3,0)LTGPXP-OM1-BK	OM1	10.0	2	100
	SM-O-CTS-2(1x3,0)LTGPXP-OM2-BK	OM2	10.0	2	100
	SM-O-CTS-2(1x3,0)LTGPXP-OM3-BK	OM3	10.0	2	100
	SM-O-CTS-2(1x3,0)LTGPXP-OM4-BK	OM4	10.0	2	100
SINGLEMODE	SM-O-CTS-4(1x3,0)LTGPXP-D-BK	G.652.D	10.0	4	100
	SM-O-CTS-4(1x3,0)LTGPXP-DA1-BK	G.652.D/G.657.A1	10.0	4	100
	SM-O-CTS-4(1x3,0)LTGPXP-A1-BK	G.657.A1	10.0	4	100
	SM-O-CTS-4(1x3,0)LTGPXP-A2-BK	G.657.A2	10.0	4	100
	SM-O-CTS-4(1x3,0)LTGPXP-B3-BK	G.657.B3	10.0	4	100
MULTIMODE	SM-O-CTS-4(1x3,0)LTGPXP-OM1-BK	OM1	10.0	4	100
	SM-O-CTS-4(1x3,0)LTGPXP-OM2-BK	OM2	10.0	4	100
	SM-O-CTS-4(1x3,0)LTGPXP-OM3-BK	OM3	10.0	4	100
	SM-O-CTS-4(1x3,0)LTGPXP-OM4-BK	OM4	10.0	4	100

Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SM-O-CTS-6(1x3,0)LTGPXP-D-BK	G.652.D	10.0	6	100
SM-O-CTS-6(1x3,0)LTGPXP-DA1-BK	G.652.D/G.657.A1	10.0	6	100
SM-O-CTS-6(1x3,0)LTGPXP-A1-BK	G.657.A1	10.0	6	100
SM-O-CTS-6(1x3,0)LTGPXP-A2-BK	G.657.A2	10.0	6	100
SM-O-CTS-6(1x3,0)LTGPXP-B3-BK	G.657.B3	10.0	6	100
SM-O-CTS-6(1x3,0)LTGPXP-OM1-BK	OM1	10.0	6	100
SM-O-CTS-6(1x3,0)LTGPXP-OM2-BK	OM2	10.0	6	100
SM-O-CTS-6(1x3,0)LTGPXP-OM3-BK	OM3	10.0	6	100
SM-O-CTS-6(1x3,0)LTGPXP-OM4-BK	OM4	10.0	6	100

SINGLEMODE

MULTIMODE

Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SM-O-CTS-16(1x3,0)LTGPXP-D-BK	G.652.D	10.0	16	100
SM-O-CTS-16(1x3,0)LTGPXP-DA1-BK	G.652.D/G.657.A1	10.0	16	100
SM-O-CTS-16(1x3,0)LTGPXP-A1-BK	G.657.A1	10.0	16	100
SM-O-CTS-16(1x3,0)LTGPXP-A2-BK	G.657.A2	10.0	16	100
SM-O-CTS-16(1x3,0)LTGPXP-B3-BK	G.657.B3	10.0	16	100
SM-O-CTS-16(1x3,0)LTGPXP-OM1-BK	OM1	10.0	16	100
SM-O-CTS-16(1x3,0)LTGPXP-OM2-BK	OM2	10.0	16	100
SM-O-CTS-16(1x3,0)LTGPXP-OM3-BK	OM3	10.0	16	100
SM-O-CTS-16(1x3,0)LTGPXP-OM4-BK	OM4	10.0	16	100

SM-O-CTS-8(1x3,0)LTGPXP-D-BK	G.652.D	10.0	8	100
SM-O-CTS-8(1x3,0)LTGPXP-DA1-BK	G.652.D/G.657.A1	10.0	8	100
SM-O-CTS-8(1x3,0)LTGPXP-A1-BK	G.657.A1	10.0	8	100
SM-O-CTS-8(1x3,0)LTGPXP-A2-BK	G.657.A2	10.0	8	100
SM-O-CTS-8(1x3,0)LTGPXP-B3-BK	G.657.B3	10.0	8	100
SM-O-CTS-8(1x3,0)LTGPXP-OM1-BK	OM1	10.0	8	100
SM-O-CTS-8(1x3,0)LTGPXP-OM2-BK	OM2	10.0	8	100
SM-O-CTS-8(1x3,0)LTGPXP-OM3-BK	OM3	10.0	8	100
SM-O-CTS-8(1x3,0)LTGPXP-OM4-BK	OM4	10.0	8	100

SINGLEMODE

MULTIMODE

SM-O-CTS-24(1x3,0)LTGPXP-D-BK	G.652.D	10.0	24	100
SM-O-CTS-24(1x3,0)LTGPXP-DA1-BK	G.652.D/G.657.A1	10.0	24	100
SM-O-CTS-24(1x3,0)LTGPXP-A1-BK	G.657.A1	10.0	24	100
SM-O-CTS-24(1x3,0)LTGPXP-A2-BK	G.657.A2	10.0	24	100
SM-O-CTS-24(1x3,0)LTGPXP-B3-BK	G.657.B3	10.0	24	100
SM-O-CTS-24(1x3,0)LTGPXP-OM1-BK	OM1	10.0	24	100
SM-O-CTS-24(1x3,0)LTGPXP-OM2-BK	OM2	10.0	24	100
SM-O-CTS-24(1x3,0)LTGPXP-OM3-BK	OM3	10.0	24	100
SM-O-CTS-24(1x3,0)LTGPXP-OM4-BK	OM4	10.0	24	100

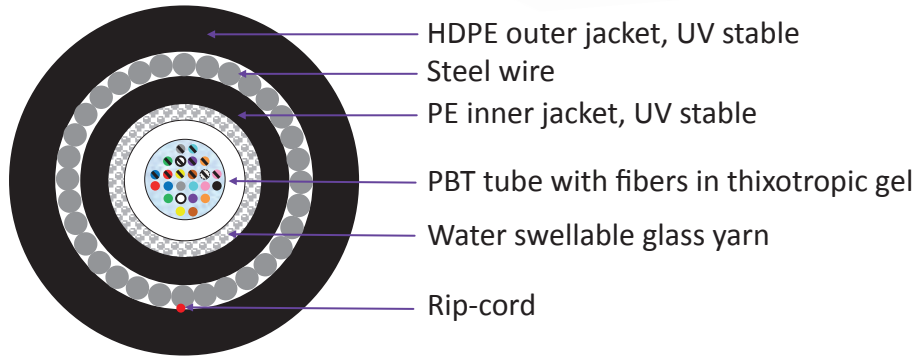
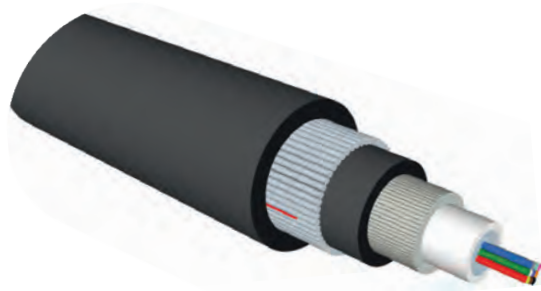
SM-O-CTS-12(1x3,0)LTGPXP-D-BK	G.652.D	10.0	12	100
SM-O-CTS-12(1x3,0)LTGPXP-DA1-BK	G.652.D/G.657.A1	10.0	12	100
SM-O-CTS-12(1x3,0)LTGPXP-A1-BK	G.657.A1	10.0	12	100
SM-O-CTS-12(1x3,0)LTGPXP-A2-BK	G.657.A2	10.0	12	100
SM-O-CTS-12(1x3,0)LTGPXP-B3-BK	G.657.B3	10.0	12	100
SM-O-CTS-12(1x3,0)LTGPXP-OM1-BK	OM1	10.0	12	100
SM-O-CTS-12(1x3,0)LTGPXP-OM2-BK	OM2	10.0	12	100
SM-O-CTS-12(1x3,0)LTGPXP-OM3-BK	OM3	10.0	12	100
SM-O-CTS-12(1x3,0)LTGPXP-OM4-BK	OM4	10.0	12	100

SINGLEMODE

MULTIMODE

**DESCRIPTION:**

The cable consists of a single central tube containing coloured 250 µm fibres; around the tube is a layer of the water swellable glass yarns that act as tensile strength members; over the strength members is an inner jacket from PE. Under the outer jacket are steel wires that act as armoring; the outer jacket is made from the HDPE. The cable has excellent rodent protection and is suitable for direct laying into the soil.



# Outdoor SWA Armoured Unitube Cable

	Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SINGLEMODE	SM-O-CTS-2(1x3,0)LTGPWP-D-BK	G.652.D	9.9	2	152
	SM-O-CTS-2(1x3,0)LTGPWP-DA1-BK	G.652.D/G.657.A1	9.9	2	152
	SM-O-CTS-2(1x3,0)LTGPWP-A1-BK	G.657.A1	9.9	2	152
	SM-O-CTS-2(1x3,0)LTGPWP-A2-BK	G.657.A2	9.9	2	152
	SM-O-CTS-2(1x3,0)LTGPWP-B3-BK	G.657.B3	9.9	2	152
MULTIMODE	SM-O-CTS-2(1x3,0)LTGPWP-OM1-BK	OM1	9.9	2	152
	SM-O-CTS-2(1x3,0)LTGPWP-OM2-BK	OM2	9.9	2	152
	SM-O-CTS-2(1x3,0)LTGPWP-OM3-BK	OM3	9.9	2	152
	SM-O-CTS-2(1x3,0)LTGPWP-OM4-BK	OM4	9.9	2	152
SINGLEMODE	SM-O-CTS-4(1x3,0)LTGPWP-D-BK	G.652.D	9.9	4	152
	SM-O-CTS-4(1x3,0)LTGPWP-DA1-BK	G.652.D/G.657.A1	9.9	4	152
	SM-O-CTS-4(1x3,0)LTGPWP-A1-BK	G.657.A1	9.9	4	152
	SM-O-CTS-4(1x3,0)LTGPWP-A2-BK	G.657.A2	9.9	4	152
	SM-O-CTS-4(1x3,0)LTGPWP-B3-BK	G.657.B3	9.9	4	152
MULTIMODE	SM-O-CTS-4(1x3,0)LTGPWP-OM1-BK	OM1	9.9	4	152
	SM-O-CTS-4(1x3,0)LTGPWP-OM2-BK	OM2	9.9	4	152
	SM-O-CTS-4(1x3,0)LTGPWP-OM3-BK	OM3	9.9	4	152
	SM-O-CTS-4(1x3,0)LTGPWP-OM4-BK	OM4	9.9	4	152

Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SM-O-CTS-6(1x3,0)LTGPWP-D-BK	G.652.D	9.9	6	152
SM-O-CTS-6(1x3,0)LTGPWP-DA1-BK	G.652.D/G.657.A1	9.9	6	152
SM-O-CTS-6(1x3,0)LTGPWP-A1-BK	G.657.A1	9.9	6	152
SM-O-CTS-6(1x3,0)LTGPWP-A2-BK	G.657.A2	9.9	6	152
SM-O-CTS-6(1x3,0)LTGPWP-B3-BK	G.657.B3	9.9	6	152
SM-O-CTS-6(1x3,0)LTGPWP-OM1-BK	OM1	9.9	6	152
SM-O-CTS-6(1x3,0)LTGPWP-OM2-BK	OM2	9.9	6	152
SM-O-CTS-6(1x3,0)LTGPWP-OM3-BK	OM3	9.9	6	152
SM-O-CTS-6(1x3,0)LTGPWP-OM4-BK	OM4	9.9	6	152

SINGLEMODE

MULTIMODE

Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SM-O-CTS-16(1x3,0)LTGPWP-D-BK	G.652.D	9.9	16	152
SM-O-CTS-16(1x3,0)LTGPWP-DA1-BK	G.652.D/G.657.A1	9.9	16	152
SM-O-CTS-16(1x3,0)LTGPWP-A1-BK	G.657.A1	9.9	16	152
SM-O-CTS-16(1x3,0)LTGPWP-A2-BK	G.657.A2	9.9	16	152
SM-O-CTS-16(1x3,0)LTGPWP-B3-BK	G.657.B3	9.9	16	152
SM-O-CTS-16(1x3,0)LTGPWP-OM1-BK	OM1	9.9	16	152
SM-O-CTS-16(1x3,0)LTGPWP-OM2-BK	OM2	9.9	16	152
SM-O-CTS-16(1x3,0)LTGPWP-OM3-BK	OM3	9.9	16	152
SM-O-CTS-16(1x3,0)LTGPWP-OM4-BK	OM4	9.9	16	152

SM-O-CTS-8(1x3,0)LTGPWP-D-BK	G.652.D	9.9	8	152
SM-O-CTS-8(1x3,0)LTGPWP-DA1-BK	G.652.D/G.657.A1	9.9	8	152
SM-O-CTS-8(1x3,0)LTGPWP-A1-BK	G.657.A1	9.9	8	152
SM-O-CTS-8(1x3,0)LTGPWP-A2-BK	G.657.A2	9.9	8	152
SM-O-CTS-8(1x3,0)LTGPWP-B3-BK	G.657.B3	9.9	8	152
SM-O-CTS-8(1x3,0)LTGPWP-OM1-BK	OM1	9.9	8	152
SM-O-CTS-8(1x3,0)LTGPWP-OM2-BK	OM2	9.9	8	152
SM-O-CTS-8(1x3,0)LTGPWP-OM3-BK	OM3	9.9	8	152
SM-O-CTS-8(1x3,0)LTGPWP-OM4-BK	OM4	9.9	8	152

SINGLEMODE

MULTIMODE

SM-O-CTS-24(1x3,0)LTGPWP-D-BK	G.652.D	9.9	24	152
SM-O-CTS-24(1x3,0)LTGPWP-DA1-BK	G.652.D/G.657.A1	9.9	24	152
SM-O-CTS-24(1x3,0)LTGPWP-A1-BK	G.657.A1	9.9	24	152
SM-O-CTS-24(1x3,0)LTGPWP-A2-BK	G.657.A2	9.9	24	152
SM-O-CTS-24(1x3,0)LTGPWP-B3-BK	G.657.B3	9.9	24	152
SM-O-CTS-24(1x3,0)LTGPWP-OM1-BK	OM1	9.9	24	152
SM-O-CTS-24(1x3,0)LTGPWP-OM2-BK	OM2	9.9	24	152
SM-O-CTS-24(1x3,0)LTGPWP-OM3-BK	OM3	9.9	24	152
SM-O-CTS-24(1x3,0)LTGPWP-OM4-BK	OM4	9.9	24	152

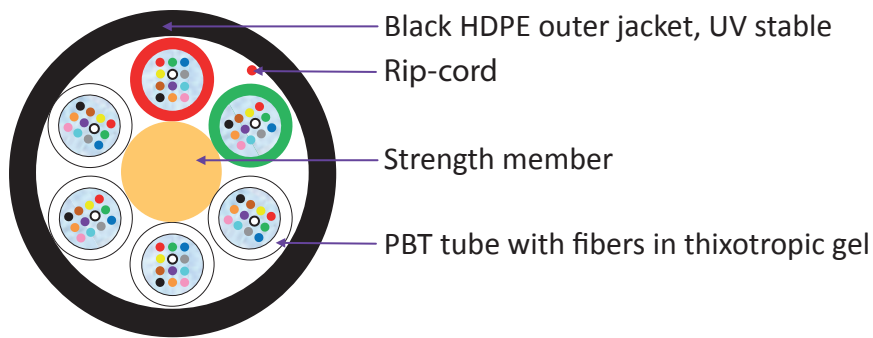
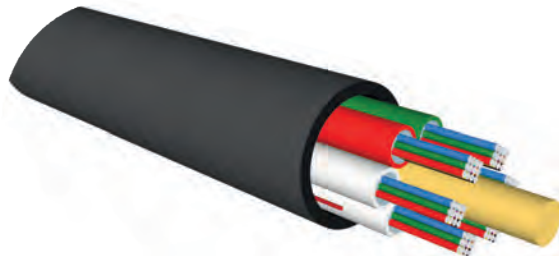
SM-O-CTS-12(1x3,0)LTGPWP-D-BK	G.652.D	9.9	12	152
SM-O-CTS-12(1x3,0)LTGPWP-DA1-BK	G.652.D/G.657.A1	9.9	12	152
SM-O-CTS-12(1x3,0)LTGPWP-A1-BK	G.657.A1	9.9	12	152
SM-O-CTS-12(1x3,0)LTGPWP-A2-BK	G.657.A2	9.9	12	152
SM-O-CTS-12(1x3,0)LTGPWP-B3-BK	G.657.B3	9.9	12	152
SM-O-CTS-12(1x3,0)LTGPWP-OM1-BK	OM1	9.9	12	152
SM-O-CTS-12(1x3,0)LTGPWP-OM2-BK	OM2	9.9	12	152
SM-O-CTS-12(1x3,0)LTGPWP-OM3-BK	OM3	9.9	12	152
SM-O-CTS-12(1x3,0)LTGPWP-OM4-BK	OM4	9.9	12	152

SINGLEMODE

MULTIMODE

**DESCRIPTION:**

The cable consists of up to 18 tubes with 12 coloured 250 µm fibres; the tubes are stranded around a central strength member; the jacket is made from HDPE. The cable has a lightweight construction and a small diameter. Ideal for installation by air-blowing. Ideal for a long distance and local area networks.

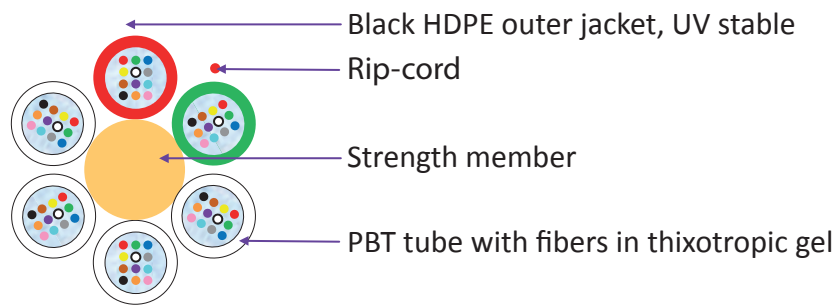
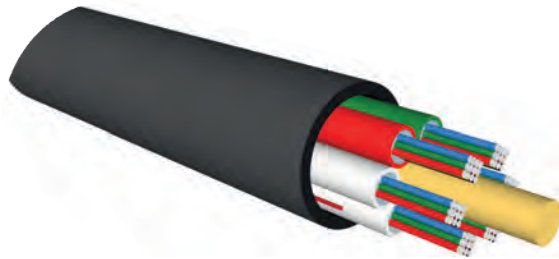


# Outdoor Multitube Micro cable

	Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SINGLEMODE	SM-O-MTDM-72(6x1,5)LTP-D-BK	G.652.D	5.7	72	30
	SM-O-MTDM-72(6x1,5)LTP-DA1-BK	G.652.D/G.657.A1	5.7	72	30
	SM-O-MTDM-72(6x1,5)LTP-A1-BK	G.657.A1	5.7	72	30
	SM-O-MTDM-72(6x1,5)LTP-A2-BK	G.657.A2	5.7	72	30
	SM-O-MTDM-72(6x1,5)LTP-B3-BK	G.657.B3	5.7	72	30
MULTIMODE	SM-O-MTDM-72(6x1,5)LTP-OM1-BK	OM1	5.7	72	30
	SM-O-MTDM-72(6x1,5)LTP-OM2-BK	OM2	5.7	72	30
	SM-O-MTDM-72(6x1,5)LTP-OM3-BK	OM3	5.7	72	30
	SM-O-MTDM-72(6x1,5)LTP-OM4-BK	OM4	5.7	72	30
SINGLEMODE	SM-O-MTDM-96(8x1,5)LTP-D-BK	G.652.D	6.6	96	40
	SM-O-MTDM-96(8x1,5)LTP-DA1-BK	G.652.D/G.657.A1	6.6	96	40
	SM-O-MTDM-96(8x1,5)LTP-A1-BK	G.657.A1	6.6	96	40
	SM-O-MTDM-96(8x1,5)LTP-A2-BK	G.657.A2	6.6	96	40
	SM-O-MTDM-96(8x1,5)LTP-B3-BK	G.657.B3	6.6	96	40
MULTIMODE	SM-O-MTDM-96(8x1,5)LTP-OM1-BK	OM1	6.6	96	40
	SM-O-MTDM-96(8x1,5)LTP-OM2-BK	OM2	6.6	96	40
	SM-O-MTDM-96(8x1,5)LTP-OM3-BK	OM3	6.6	96	40
	SM-O-MTDM-96(8x1,5)LTP-OM4-BK	OM4	6.6	96	40

**DESCRIPTION:**

The cable consists of up to 18 tubes with 12 coloured 250 µm fibres; the tubes are stranded around a central strength member; the jacket is made from HDPE. The cable has a lightweight construction and a small diameter. Ideal for installation by air-blowing. Ideal for a long distance and local area networks.



## Outdoor Multitube Micro cable

	Ordering Code	Fiber Type	Nominal Diameter mm	Fiber Count	Weight kg/km
SINGLEMODE	SM-O-MTDM-144(12x1,5)LTP-D-BK	G.652.D	8.6	144	60
	SM-O-MTDM-144(12x1,5)LTP-DA1-BK	G.652.D/G.657.A1	8.6	144	60
	SM-O-MTDM-144(12x1,5)LTP-A1-BK	G.657.A1	8.6	144	60
	SM-O-MTDM-144(12x1,5)LTP-A2-BK	G.657.A2	8.6	144	60
	SM-O-MTDM-144(12x1,5)LTP-B3-BK	G.657.B3	8.6	144	60
MULTIMODE	SM-O-MTDM-144(12x1,5)LTP-OM1-BK	OM1	8.6	144	60
	SM-O-MTDM-144(12x1,5)LTP-OM2-BK	OM2	8.6	144	60
	SM-O-MTDM-144(12x1,5)LTP-OM3-BK	OM3	8.6	144	60
	SM-O-MTDM-144(12x1,5)LTP-OM4-BK	OM4	8.6	144	60
SINGLEMODE	SM-O-MTDM-216(18x1,5)LTP-D-BK	G.652.D	8.9	216	65
	SM-O-MTDM-216(18x1,5)LTP-DA1-BK	G.652.D/G.657.A1	8.9	216	65
	SM-O-MTDM-216(18x1,5)LTP-A1-BK	G.657.A1	8.9	216	65
	SM-O-MTDM-216(18x1,5)LTP-A2-BK	G.657.A2	8.9	216	65
	SM-O-MTDM-216(18x1,5)LTP-B3-BK	G.657.B3	8.9	216	65
MULTIMODE	SM-O-MTDM-216(18x1,5)LTP-OM1-BK	OM1	8.9	216	65
	SM-O-MTDM-216(18x1,5)LTP-OM2-BK	OM2	8.9	216	65
	SM-O-MTDM-216(18x1,5)LTP-OM3-BK	OM3	8.9	216	65
	SM-O-MTDM-216(18x1,5)LTP-OM4-BK	OM4	8.9	216	65



# Multi Mode Optical Fiber Specification

SM Code		62,5/125 OM1	50/125 OM2	50/125 OM2+	50/125 OM3	50/125 OM4
Optical Characteristics		OM1	OM2	OM2e	OM3	OM4
Typical attenuation of cabled fibre at 850 nm (dB/km)	Tight Buffer	2.8	2.2	2.2	2.2	2.2
	Loose Tube	2.6	2.0	2.0	2.0	2.0
Typical attenuation of cabled fibre at 1300 nm (dB/km)	Tight Buffer	0.6	0.5	0.5	0.5	0.5
	Loose Tube	0.5	0.5	0.5	0.5	0.5
Maximum attenuation of cabled fibre at 850 nm (dB/km)	Tight Buffer	3.5	3.0	3.0	3.0	3.0
	Loose Tube	3.2	1.0	1.0	1.0	1.0
Maximum attenuation of cabled fibre at 1300 nm (dB/km)	Tight Buffer	1.0	1.0	1.0	1.0	1.0
	Loose Tube	1.0	1.0	1.0	1.0	1.0
Point discontinuity OTDR at 1300 nm (dB)		≤ 0,05	≤ 0,05	≤ 0,05	≤ 0,05	≤ 0,05
Zero dispersion wavelength (nm)		1320 ≤ λ <sub>0</sub> ≤ 1365	1295 ≤ λ <sub>0</sub> ≤ 1340	1295 ≤ λ <sub>0</sub> ≤ 1340	1295 ≤ λ <sub>0</sub> ≤ 1340	1295 ≤ λ <sub>0</sub> ≤ 1340
Zero dispersion slope (ps/nm <sup>2</sup> /km) 1320 ≤ λ <sub>0</sub> ≤ 1348		≤ 0,11	—	—	—	—
Zero dispersion slope (ps/nm <sup>2</sup> /km) 1348 ≤ λ <sub>0</sub> ≤ 1365		≤ 0,001.(1458-λ <sub>0</sub> )	—	—	—	—
Zero dispersion slope (ps/nm <sup>2</sup> /km) 1295 ≤ λ <sub>0</sub> ≤ 1310		—	≤ 0,105	≤ 0,105	≤ 0,105	≤ 0,105
Zero dispersion slope (ps/nm <sup>2</sup> /km) 1310 ≤ λ <sub>0</sub> ≤ 1340		—	≤ 0,000375.(1590-λ <sub>0</sub> )	≤ 0,000375.(1590-λ <sub>0</sub> )	≤ 0,000375.(1590-λ <sub>0</sub> )	≤ 0,000375.(1590-λ <sub>0</sub> )
Numerical Aperture		0,275 ± 0,015	0,200 ± 0,015	0,200 ± 0,015	0,200 ± 0,015	0,200 ± 0,015
Effective group index of refraction at 850 nm		1.497	1.483	1.483	1.483	1.483
Effective group index of refraction at 1300 nm		1.493	1.478	1.478	1.478	1.478
Performance Characteristics						
Bandwidth(Overfilled launch) 850 nm (MHz.km)		≥ 160 - ≥ 250	≥ 500	≥ 750	≥ 1500	≥ 3500
Bandwidth(Overfilled launch) 1300 nm (MHz.km)		≥ 500 - ≥ 800	≥ 500	≥ 500	≥ 500	≥ 500
Effective Modal Bandwidth (EMB) 850 nm (MHz.km)		—	n.a.	≥ 1000	≥ 2000	≥ 4700
Transmission Link Lengths at 1 Gb/s 850 nm (m)		≥ 300 - ≥ 500	500	750	—	—
Transmission Link Lengths at 1 Gb/s 1300 nm (m)		≥ 550 - ≥ 1000	500	500	—	—
Transmission Link Lengths at 10 Gb/s 850 nm (m)		—	n.a.	150	300	550
Transmission Link Lengths at 10 Gb/s 1300 nm (m)		—	n.a.	300	300	300

# Multi Mode Optical Fiber Specification

	62,5/125 OM1	50/125 OM2	50/125 OM2+	50/125 OM3	50/125 OM4
<b>Geometrical Characteristics</b>	OM1	OM2	OM2e	OM3	OM4
Core diameter	62,5 ± 2,5	50 ± 2,5	50 ± 2,5	50 ± 2,5	50 ± 2,5
Core non-circularity (%)	≤ 5,0	≤ 5,0	≤ 5,0	≤ 5,0	≤ 5,0
Core/Cladding concentricity error (μm)	≤ 1,0	≤ 1,5	≤ 1,5	≤ 1,0	≤ 1,0
Cladding diameter (μm)	125,0 ± 1,0	125,0 ± 1,0	125,0 ± 1,0	125,0 ± 1,0	125,0 ± 1,0
Cladding non-circularity (%)	≤ 1,0	≤ 1,0	≤ 1,0	≤ 1,0	≤ 1,0
Coating diameter (μm)	242 ± 7,0	242 ± 7,0	242 ± 7,0	242 ± 7,0	242 ± 7,0
Coating-Cladding concentricity (μm)	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10
<b>Bending induced attenuation</b>					
Mandrel Diameter 37,5 mm, 100 turns, @ 850 nm (dB)	≤ 0,5	≤ 0,05	≤ 0,05	≤ 0,05	≤ 0,05
Mandrel Diameter 37,5 mm, 100 turns, @1 300 nm (dB)	≤ 0,5	≤ 0,15	≤ 0,15	≤ 0,15	≤ 0,15
Mandrel Diameter 15 mm, 2 turns, @ 850 nm (dB)	—	≤ 0,1	≤ 0,1	≤ 0,1	≤ 0,1
Mandrel Diameter 15 mm, 2 turns, @1 300 nm (dB)	—	≤ 0,3	≤ 0,3	≤ 0,3	≤ 0,3
Mandrel Diameter 7,5 mm, 2 t urns, @ 850 nm (dB)	—	≤ 0,2	≤ 0,2	≤ 0,2	≤ 0,2
Mandrel Diameter 7,5 mm, 2 turns, @1 300 nm (dB)	—	≤ 0,5	≤ 0,5	≤ 0,5	≤ 0,5
<b>Mechanical Characteristics</b>					
Proof stress level (N)	≥ 8,8	≥ 17,6	≥ 17,6	≥ 17,6	≥ 17,6
Coating strip force F - typical (N)	1.9	1.9	1.9	1.9	1.9
Dynamic tensile strength - unaged (Gpa)	≥ 3,8	≥ 3,8	≥ 3,8	≥ 3,8	≥ 3,8
Dynamic tensile strength - aged (Gpa)	≥ 3,03	≥ 3,03	≥ 3,03	≥ 3,03	≥ 3,03
Fatigue (nominal value)	≥ 20	≥ 23	≥ 23	≥ 23	≥ 23

# Single Mode Optical Fiber Specification

SM Code		G.652.D	G.652.D / G.657.A1	G.657.A1	G.657.A2	G.657.B3	NZDF
Optical Characteristics		D	D/A1	A1	A2	B3	NZDF
Typical attenuation of cabled fibre at 1310 nm (dB/km)	Tight Buffer (OS1)	0.38	0.38	0.38	0.38	0.38	—
	Loose Tube (OS2)	0.32	0.32	0.32	0.32	0.32	—
Typical attenuation of cabled fibre at 1550 nm (dB/km)	Tight Buffer (OS1)	0.30	0.30	0.30	0.30	0.30	0.40
	Loose Tube (OS2)	0.19	0.19	0.19	0.19	0.19	0.25
Typical attenuation of cabled fibre at 1625 nm (dB/km)	Tight Buffer (OS1)	0.30	0.30	0.30	0.30	0.30	—
	Loose Tube (OS2)	0.20	0.20	0.20	0.20	0.20	—
Maximum attenuation of cabled fibre at 1310 nm (dB/km)	Tight Buffer (OS1)	0.50	0.50	0.50	0.50	0.50	—
	Loose Tube (OS2)	0.35	0.35	0.35	0.35	0.35	—
Maximum attenuation of cabled fibre at 1550 nm (dB/km)	Tight Buffer (OS1)	0.50	0.50	0.50	0.50	0.50	0.55
	Loose Tube (OS2)	0.25	0.25	0.25	0.25	0.25	0.30
Maximum attenuation of cabled fibre at 1625 nm (dB/km)	Tight Buffer (OS1)	0.50	0.50	0.50	0.50	0.50	—
	Loose Tube (OS2)	0.25	0.25	0.25	0.25	0.25	—
Point discontinuity at 1310/1550 nm (dB)		≤ 0,05	≤ 0,05	≤ 0,05			≤ 0,05
Cable cut-off wavelength ( $\lambda_{cc}$ )		≤ 1260 nm	≤ 1260 nm	≤ 1260 nm			≤ 1450 nm
Zero dispersion wavelength (nm)		1300 – 1324	1300 – 1324	1300 – 1324			—
Zero dispersion slope (ps/nm <sup>2</sup> /km)		≤ 0,090	≤ 0,092	≤ 0,092			—
Chromatic dispersion at 1530 nm (ps/nm/km)		—	—	—			2,0 - 5,5
Chromatic dispersion at 1565 nm (ps/nm/km)		—	—	—			4,5 - 6,0
Chromatic dispersion at 1550 nm (ps/nm/km)		≤ 18,0	≤ 18,0	≤ 18,0			—
Chromatic dispersion at 1625 nm (ps/nm/km)		≤ 22,0	—	—			8,5 - 11,2
Maximum individual fiber PMD (ps/rkm)		≤ 0,1	≤ 0,1	≤ 0,2			≤ 0,1
Fiber PMD link design value (ps/rkm)		≤ 0,08	≤ 0,06	≤ 0,08			≤ 0,04
Effective group index of refraction at 1310 nm		1.466	1.466	1.466			—
Effective group index of refraction at 1550 nm		1.467	1.467	1.467			1.471
Effective group index of refraction at 1625 nm		1.47	1.47	1.47			1.471
Effective core area $A_{eff}$ ( $\mu\text{m}^2$ )		—	—	—			72

# Single Mode Optical Fiber Specification

	G.652.D	G.652.D/ G.657.A1	G.657.A1	G.657.A2	G.657.B3	NZDF
Geometrical Characteristics	D	D/A1	A1	A2	B3	NZDF
Mode field diameter at 1310 nm (µm)	9,20 ± 0,4	8,9 ± 0,4	8,6 ± 0,4			9,6 ± 0,4
Mode field diameter at 1550 nm (µm)	10,40 ± 0,50	—	—			
Core/Cladding concentricity error (µm)	≤ 0,4	≤ 0,5	≤ 0,4			≤ 0,5
Cladding diameter (µm)	125,0 ± 0,5	125,0 ± 0,7	125,0 ± 0,5			125,0 ± 0,7
Cladding non-circularity (%)	≤ 0,5	≤ 0,5	≤ 0,5			≤ 0,7
Primary coating material	UV curable acrylate	UV curable acrylate	UV curable acrylate	UV curable acrylate	UV curable acrylate	UV curable acrylate
Primary coating diameter-uncl. fibre (µm)	242 ± 5	245 ± 10	245 ± 10			242 ± 5
Fibre curl radius (m)	≥ 4,0	≥ 4,0	≥ 4,0			≥ 4,0
Coating-Cladding concentricity (µm)	≤ 12	≤ 12	≤ 12			≤ 12
Bending induced attenuation						
Mandrel Diameter 10 mm, 1 turn, @1 550 nm (dB)	—	≤ 0,75	≤ 0,75			—
Mandrel Diameter 10 mm, 1 turn, @1 625 nm (dB)	—	≤ 1,5	≤ 1,5			—
Mandrel Diameter 15 mm, 10 turns, @1 550 nm (dB)	—	≤ 0,25	≤ 0,25			—
Mandrel Diameter 15 mm, 10 turns, @1 625 nm (dB)	—	≤ 1,0	≤ 1,0			—
Mandrel Diameter 16 mm, 1 turn, @1 550 nm (dB)	—	≤ 0,05	≤ 0,03			—
Mandrel Diameter 25 mm, 100 turn, @1310/1550 nm (dB)	—	≤ 0,05	≤ 0,03			—
Mandrel Diameter 30 mm, 100 turns, @1 625 nm (dB)	—	≤ 0,05	≤ 0,03			—
Mandrel Diameter 32 mm, 1 turn, @1 550 nm (dB)	≤ 0,05					
Mandrel Diameter 32 mm, 1 turn, @1 550/1625 nm (dB)						≤ 0,5
Mandrel Diameter 50 mm, 100 turn, @1310/1550 nm (dB)	≤ 0,05					—
Mandrel Diameter 60 mm, 100 turn, @1310/1625 nm (dB)	≤ 0,05					—
Mandrel Diameter 60 mm, 100 turn, @1 550/1625 nm (dB)						≤ 0,05
Mechanical Characteristics						
Proof stress level (Gpa)	0.86	0.86	1.07			0.86
Coating strip force F - peak (N)	1,3 ≤ F ≤ 8,9	1,3 ≤ F ≤ 8,9	1,3 ≤ F ≤ 8,9			1,3 ≤ F ≤ 8,9
Coating strip force F - average (N)	1,0 ≤ F ≤ 5,0	1,0 ≤ F ≤ 5,0	1,0 ≤ F ≤ 5,0			1 ≤ F ≤ 5
Dynamic tensile strength- unaged (Gpa)	≥ 3,8	≥ 3,8	≥ 3,8			≥ 3,8
Dynamic tensile strength- aged (Gpa)	≥ 3,0	≥ 3,0	≥ 3,0			≥ 3,0
Fatigue (nominal value)	20	20	20			20

# ORDERING CODE

**SM-X-XXXX-XXX(X×XX)XXXXXXXX-XXX-XX**

I	Indoor
U	Universal
O	Outdoor

CT	Central tube
SCT	Steel central-tube
ADS	ADSS
MTD	Multi-tube dry core
MTF	Multi-tube filled core
TBT	Buffer (tight strip.)
TBS	Buffer (semi-tight strip.)
TBF	Buffer (free strip.)
SX	Simplex cable
DXK	Duplex circle cable
DXZ	Duplex zip cable
DHX	Heavy duplex cable
DST	Distribution cable
DRP	drop cable
BRF	Breakout without FRP
BRC	Breakout with FRP
SPC	Special construction
SFT	Simplex furcation tubing
DFT	Duplex zip furcation tubing

S	Standard
R	Ruggedized
8	Aerial cable fig. 8
F	Flame resistant
TAC	Tactical cable
M	No strength member (lite)
P	Flat cable

A	Aramid yarn	V	PVC jacket
G	Glass yarn armouring	T	FRP embedded in jacket
X	Corrugated steel tape armouring	H	FR-LSZH jacket
W	Steel wire armouring	P	PE jacket
F	FRP armouring	M	Flame resistant tape
C	Braided wire armouring	N	PA jacket
I	Inter-Lock armouring	R	Track-resistant jacket
L	PEALPE/ALPE tape	U	PUR jacket
Z	Wire embedded in jacket	B	PBT jacket
S	Reinforced jacket	E	Cu member
		Q	UV curable acrylate

number of fibers in the cable

number of members in the cable

diameter of members in the cable

LT	Loose tube
F9	FR-LSZH buffer 0,9 – free stripability
T9	FR-LSZH buffer 0,9 – tight stripability
T6	FR-LSZH buffer 0,6 – tight stripability
A9	Acrylate buffer 0,9 – semi-tight strip.
A6	Acrylate buffer 0,6 – semi-tight strip.
FF	Optical fiber
RB	Ribbon
CFU	Compact Fibre Unit
RFU	Compact Fibre Unit - FR
FC	Furcation tubing

WH	white
BK	Black
RD	Red
VT	Violet
BN	Brown
BU	Blue
OG	Orange
NT	Natural
PK	Pink
GY	Grey
TQ	Turquoise
GN	Green
YE	Yellow
CR	Crema
OL	Olive

D	SM 9/125 G.652.D
D/A1	SM 9/125 G.652.D/G.657.A1
A1	SM 9/125 G.657.A1
A2	SM 9/125 G.657.A2
B3	SM 9/125 G.657.B3
NZDF	SM 9/125 G.655
OM1	MM 62,5/125 OM12
OM2	MM 50/125 OM2 BW5 00/500
OM2e	MM 50/125 OM2 BW600/1200
OM3	MM 50/125 OM3
OM4	MM 50/125 OM4

In cooperation with our parent company SUPERIOR TECH CORP. we are able to supply all installation components including couplers, standard and special patch cords and pigtails, distribution frames, fusion splicers, fiber optic tools, measuring equipment and many other components. Our team of specialists can advise you on the optimal solution for any project, wherever it may be in the world.



STECMAX produces optical cables with designs to suit individual project needs – according to individual requests.

Manufacturing of optical cables is carried out under controlled conditions – a key factor in ensuring high quality.

STECMAX Kable is continuously developing new products.

Our highly trained and qualified staff and our high-end equipment means we are able to meet the specific demands and requirements of all our customers.





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