

### Last Mile Fan Out Internal Cable

**2, 4, 8 or 12 Fibres, LSZH FR - 25m-250m**

#### Application / Product Description

The Last Mile Fan Out Internal Cable is available in a pre-terminated LC/APC or SC/APC fanout design constructed using Grade B compliant connectors and a B2ca compliant fibre cable.

Designed to service two to twelve apartments within a multi-dwelling unit environment, the cable has been specifically chosen to facilitate rapid deployment for efficient customer connections.

The Last Mile Fan Out Internal Cable is designed to work with the HellermannTyton family of MDU solutions. The cable is optimised for trouble-free installation above or below corridor ceilings and a range of adhesives and BS 7671 approved fire-proof clips and installation tools are available.

For the fanout design, each pre-connectorised tail is protected with a 900µm furcation tube, colour coded to the internal fibre. Each connector is situated 400mm from the cable's manifold for easy installation into the MDU range of enclosures.

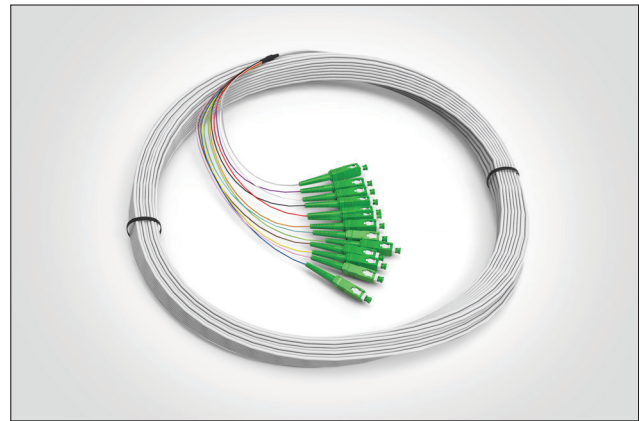
Available in 4 different lengths: 25m, 50m, 100m or 250m. The 250m length is supplied on a spool for convenient deployment along corridors.

#### Technical Details:

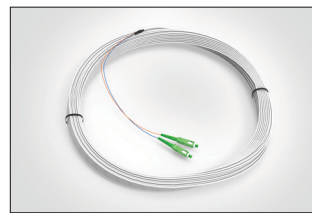
- FO cable with central loose tube for optical subscriber access
- The jacket is made of halogen-free, flame-retardant material according to IEC60332-1-2; IEC60332-3-24; IEC60754-1; IEC60754-2; IEC61034; EN50399 for use in public buildings with high personal risk and higher Euro fire class B2ca s1a d1 a1
- For use as a flame-retardant cable indoors
- The fibre optic cable exceeds the requirements of EN50173-1, ISO/IEC11801 and EN/IEC60794-2

#### Features and Benefits:

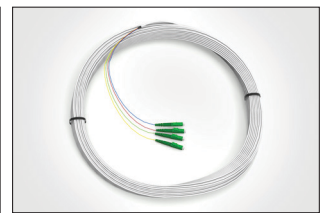
- Colour coded fibres and transportation tubes
- LC/APC or SC/APC simplex connectors IEC 61753-1 Grade B compliant
- Operation and installation temperatures -20°C to 60°C
- Bend radius, 20xOD loaded (during installation) & 10xOD unloaded (permanent)
- Cable construction contains central easy-strip loose tube which isolates the fibres from the aramid yarns



12 Fibre SC/APC SX LM Internal Cable.



2 Fibre LC/APC SX LM Internal Cable.

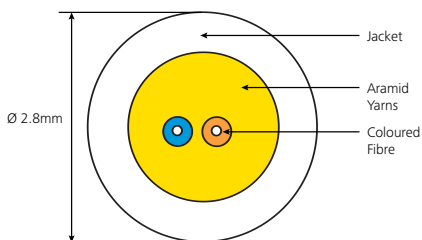


4 Fibre LC/APC SX LM Internal Cable.

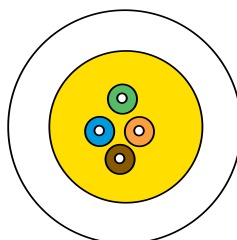
#### Technical Data

No. of Fibres	2 Fibres	4 Fibres	8 Fibres	12 Fibres
<b>Fibre Type</b>	IEC 6079-2-50 B6_b3 (G.657.B3)			
<b>Jacket</b>	<b>Nominal Outer Diameter (mm)</b>		2.8	
	<b>Material</b>		LSZH	
	<b>Colour</b>		White RAL 9010	
<b>Cable Weight (kg/km)</b>	8			
<b>Cable Reinforcement</b>	Aramid yarns			
<b>Colour Code</b>	Blue, Orange, Green, Red, Grey, Yellow, Brown, Violet, Black, White, Pink, Aqua			

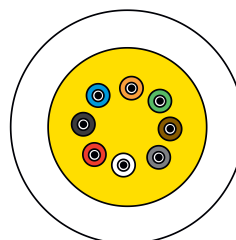
#### Technical Diagrams



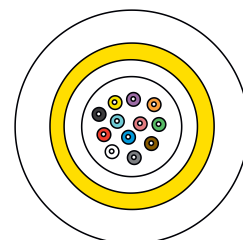
2 Fibre Cable Diagram.



4 Fibre Cable Diagram.



8 Fibre Cable Diagram.



12 Fibre Cable Diagram.



### CPR Fire Properties

Characteristic	Values
Flame retardant (acc. EN/IEC 60332-3-25 acc. IEC/EN 60754-1/2)	CPR B2ca-s1a,d1,a1
Halogen free	acc. IEC/EN 61034-2
Low smoke	B2ca
Reaction-to-fire class (acc. EN 13501-6)	s1a
Smoke development class (acc. EN 13501-6)	d1
Euro class flaming droplets/particles (acc. EN 13501-6) Euro class acidity (acc. EN 13501-6)	a1

### Mechanical Properties

Characteristic	Values	
Tensile strength during installation	IEC 60794-1-21 E1	Long term 100N / Short term 200N
Operation temperature*	-20 °C ~ +60 °C (min - max)	
Min. Bend Radius (mm)	Dynamic	20xOD
	Static	10xOD

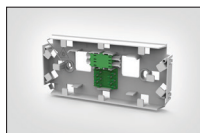
\*Temperature range recommended for cable installation, operation and storage tested according to the IEC 60794-1-22 F1.

### Part Numbers

Part Number	No. of Fibres	Length (m)	Connector Type	Part Number	No. of Fibres	Length (m)	Connector Type
LMFC-IA2-02LP40-025	2	25	LC/APC	LMFC-IA2-08LP40-025	8	25	LC/APC
LMFC-IA2-02LP40-050		50		LMFC-IA2-08LP40-050		50	
LMFC-IA2-02LP40-100		100		LMFC-IA2-08LP40-100		100	
LMFC-IA2-02LP40-250		250		LMFC-IA2-08LP40-250		250	
LMFC-IA2-02SP40-025		25		SC/APC		LMFC-IA2-08SP40-025	
LMFC-IA2-02SP40-050	50	LMFC-IA2-08SP40-050	50				
LMFC-IA2-02SP40-100	100	LMFC-IA2-08SP40-100	100				
LMFC-IA2-02SP40-250	250	LMFC-IA2-08SP40-250	250				
LMFC-IA2-04LP40-025	4	25	LC/APC		LMFC-IA2-12LP40-025	12	25
LMFC-IA2-04LP40-050		50		LMFC-IA2-12LP40-050	50		
LMFC-IA2-04LP40-100		100		LMFC-IA2-12LP40-100	100		
LMFC-IA2-04LP40-250		250		LMFC-IA2-12LP40-250	250		
LMFC-IA2-04SP40-025		25		SC/APC	LMFC-IA2-12SP40-025		25
LMFC-IA2-04SP40-050	50	LMFC-IA2-12SP40-050	50				
LMFC-IA2-04SP40-100	100	LMFC-IA2-12SP40-100	100				
LMFC-IA2-04SP40-250	250	LMFC-IA2-12SP40-250	250				

### Associated Products

See datasheets for more information. Other configurations available upon request.



**Internal Corridor Box (ICB)**  
LC/APC or SC/APC SX Adaptors



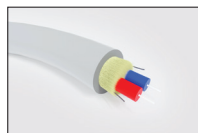
**Faint Fibre Outlet (FFO)**  
SC/APC SX Adaptor



**Fibre Wall Outlet (FWOA)**  
SC/APC SX Adaptors



**Last Mile Internal Cable**  
Bare End 500m



**Ruggedised Internal Cable**  
4.8mm OD  
1, 2 or 4 Fibres



**MDU Range**  
S1SX, S1, S2/S2XL, S3, S4, S5