



# Tailor Made

## Catalogue

barpa

HIGGS  
BY BARPA

Index



Click on the chapter that you want to explore.



Who are we?

barpa is a manufacturer of products for structured cabling, such as, copper cabling systems, fiber optic systems, racks and cabinets.

barpa is a trademark of the company Argon Group. One of the major success factors is the quality of its products and without doubt its corporate culture.

The company culture is marked for being a family structure, the Araújo family. The team is highly motivated and we believe that this distinguish us and makes the difference.

Turngreen

We believe in the sustainability path, being this point very important in new products and new projects. To reduce our footprint, barpa is eliminating to the maximum the printed material, like catalogs, flyers, manuals, etc.



We want to make the  
**difference** in the future  
of Telecommunications.

**HIGGS**  
BY BARPA





**HIGGS**  
BY BARPA



What is Higgs?

Higgs is the production unit of barpa, where we **manufacture and deliver pre-assembled solutions.**

Our big goal is the **customization** and it's where we want to make a difference.

Manufactured in our headquarters, in Portugal.

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**HIGGS**  
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## barpa in numbers

2

Sales Offices  
Portugal and Spain

+2000

Products of Standard Stock

20

Export Countries

5

Manufacture Locations  
Germany, China, Slovakia,  
Portugal and Turkey

100%

Functional tests in every production

6

Independent Labs with which we certify  
our products. Force Technology, Basec,  
TUV, VDE, 3P, UL.

2012

Year of implementation of the  
ISO 9001:2015 standard

2016

Year of brand Launch

2023

Year of implementation of the  
ISO 14001:2015 standard

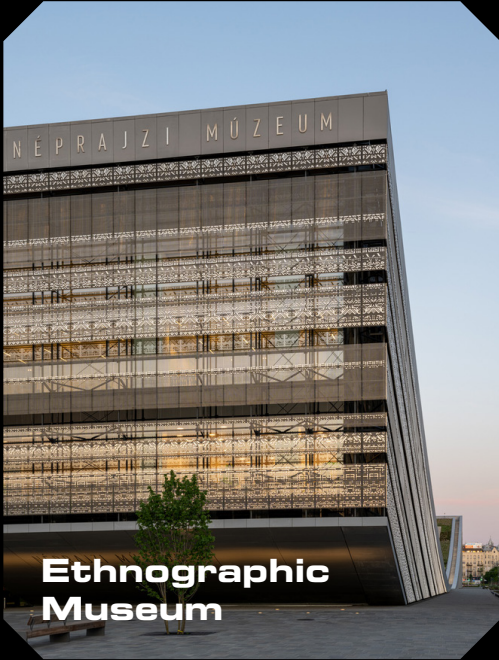
Certifications and Distinctions



RoHS  
COMPLIANT



Reference Jobs





Available resources

## Newsletter

Register to get the most recent news of barpa like events, training, technical articles, inovations, new products, etc.

## Website

In English, Portuguese, Spanish, and French there you can find all the relevant informations of the products.

## CAD Drawings

Available at the website the CAD drawings of the cabinets.

## BIM

Available at the website the BIM files of the cabinets for your projects.

## barpa•space

Space for experience exchange, events, training, etc. In online format or on-site.





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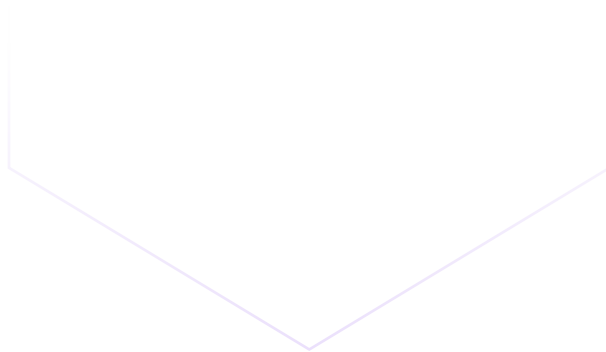




# Singlefiber Solutions

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Singlefiber Solutions



Click on the solution you wish to explore

# PRE-TERMINATED



## Trunk Pre-terminated Cable Unitube Loose Tube LSZH

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1/3

Suitable for indoor and outdoor applications.

Unitube LSZH Loose Tube is mostly used for campus backbone applications.

Even though it doesn't have corrugated steel it still has protection against rodents.

Can also be applied in conduits, cable trays and underground.  
It is fire retardant.

# PRE-TERMINATED



## Trunk Pre-terminated Cable Unitube Loose Tube LSZH

2/3

### CONNECTORS SPECIFICATIONS







									
	SC	LC	SC/APC	LC/APC	E2000	E2000/APC	FC	FC/APC	ST
Standards	IEC 61754-4 TIA 604-3 RoHS	IEC 61754-20 TIA 604-10-A RoHS	IEC 61754-4 TIA 604-3 RoHS	IEC 61754-20 TIA 604-10-A RoHS	EC 61754-15 TIA-604-10		IEC 61754-13 TIA-604-4		IEC 61754-2 TIA-604-2

						
	SC OM2	SC OM3	SC OM4	LC OM2	LC OM3	LC OM4
Standards	IEC 61754-4 TIA 604-3 RoHS			IEC 61754-20 TIA 604-10-A RoHS		

Ferrule Type	Zirconium Ceramic (ZrO <sub>2</sub> )		
Operating Temperature	-20°C to +70°C		
Durability	< 0.2dB typical change for >   500 matings		

	Average values SM	Average values MM	Standards
Insertion Loss	≤0,2dB	≤0,3dB	IEC 61300-3-34
Return Loss	≥60dB	≥35dB	IEC 61300-3-6

### CABLES SPECIFICATIONS

Type	Unitube LSZH Loose Tube	<div><div>CPR</div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Categories	OS2 G652D / OS2 G657A2 / OM2 / OM3 / OM4	
Coating	LSZH	
CPR Class	Eca / Dca	
Termination diameter	900µm   2mm   3mm	
N° of fibers	2 / 4 / 8 / 12 / 24	
Length	≥ 3m to 2000m (Tolerance ± 2%)	
Packaging	Standard / Reel (>150m)	
Protection	Pulling Eye IP10 in one end included. <a href="#">If you want the Pulling Eye IP10 on both sides or a Pulling Eye IP68 please mention that on your request.</a>	
		<b>Note:</b> From 4 to 24 fibers the conetorization will be staggered.



# PRE-TERMINATED

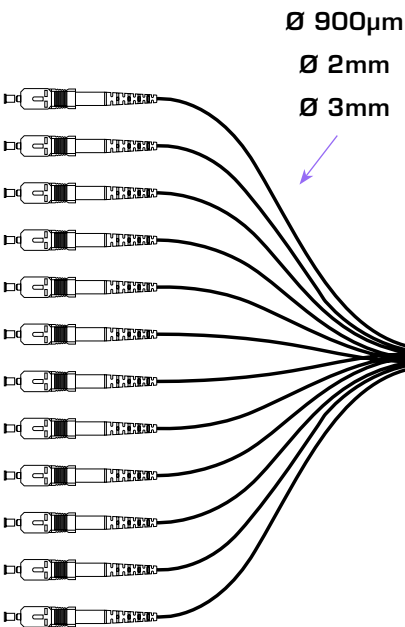


## Trunk Pre-terminated Cable Unitube Loose Tube LSZH

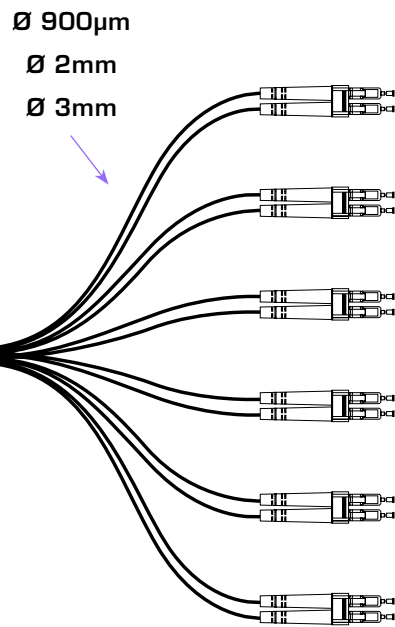
3/3

### SQUEME

Side A

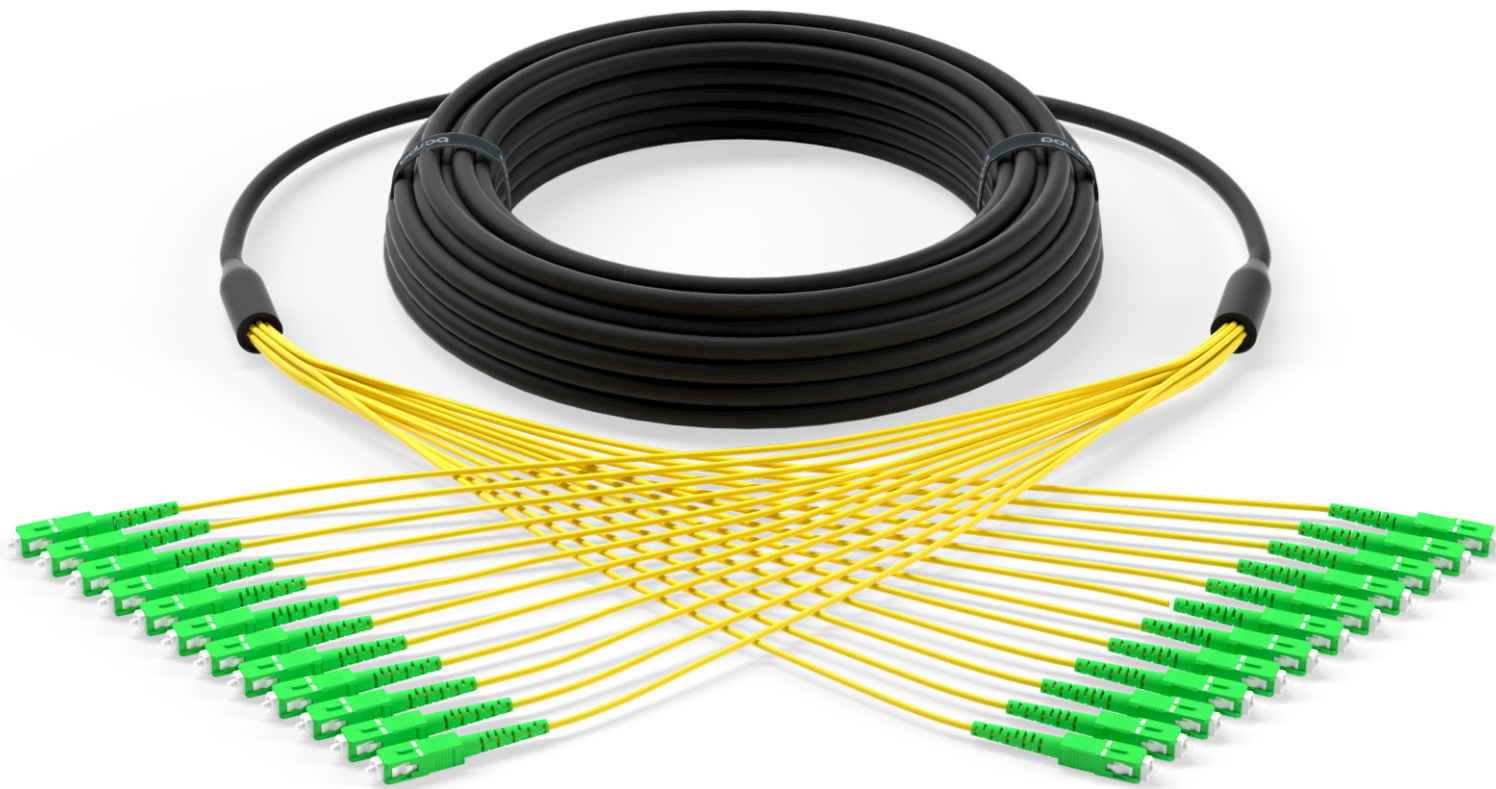


Side B



≥ 3m to 2000m

# PRE-TERMINATED



## Trunk Pre-terminated Cable Unitube Loose Tube PE

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1/3

Suitable for outdoor applications.

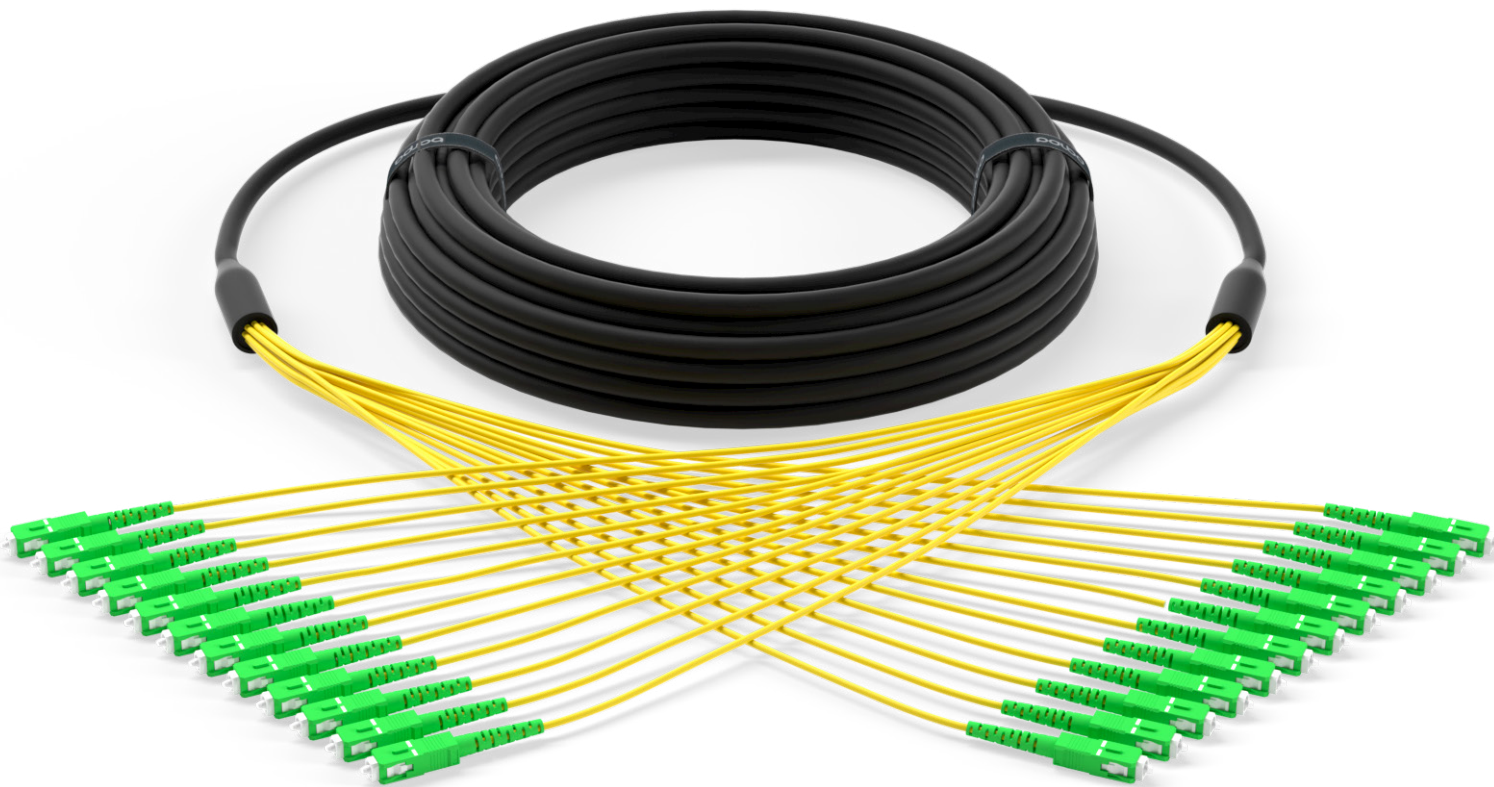
Unitube PE Loose Tube is mostly used for campus backbone applications.

Even though is not corrugated steel it has rodent protection.

Can also be applied in conduits, cable trays and underground.



# PRE-TERMINATED




## Trunk Pre-terminated Cable Unitube Loose Tube PE

2/3

### CONNECTORS SPECIFICATIONS







								
SC	LC	SC/APC	LC/APC	E2000	E2000/APC	FC	FC/APC	ST
Standards	IEC 61754-4 TIA 604-3 RoHS	IEC 61754-20 TIA 604-10-A RoHS	IEC 61754-4 TIA 604-3 RoHS	IEC 61754-20 TIA 604-10-A RoHS	EC 61754-15 TIA-604-10	IEC 61754-13 TIA-604-4	IEC 61754-2 TIA-604-2	

					
SC OM2	SC OM3	SC OM4	LC OM2	LC OM3	LC OM4
Standards	IEC 61754-4 TIA 604-3 RoHS			IEC 61754-20 TIA 604-10-A RoHS	

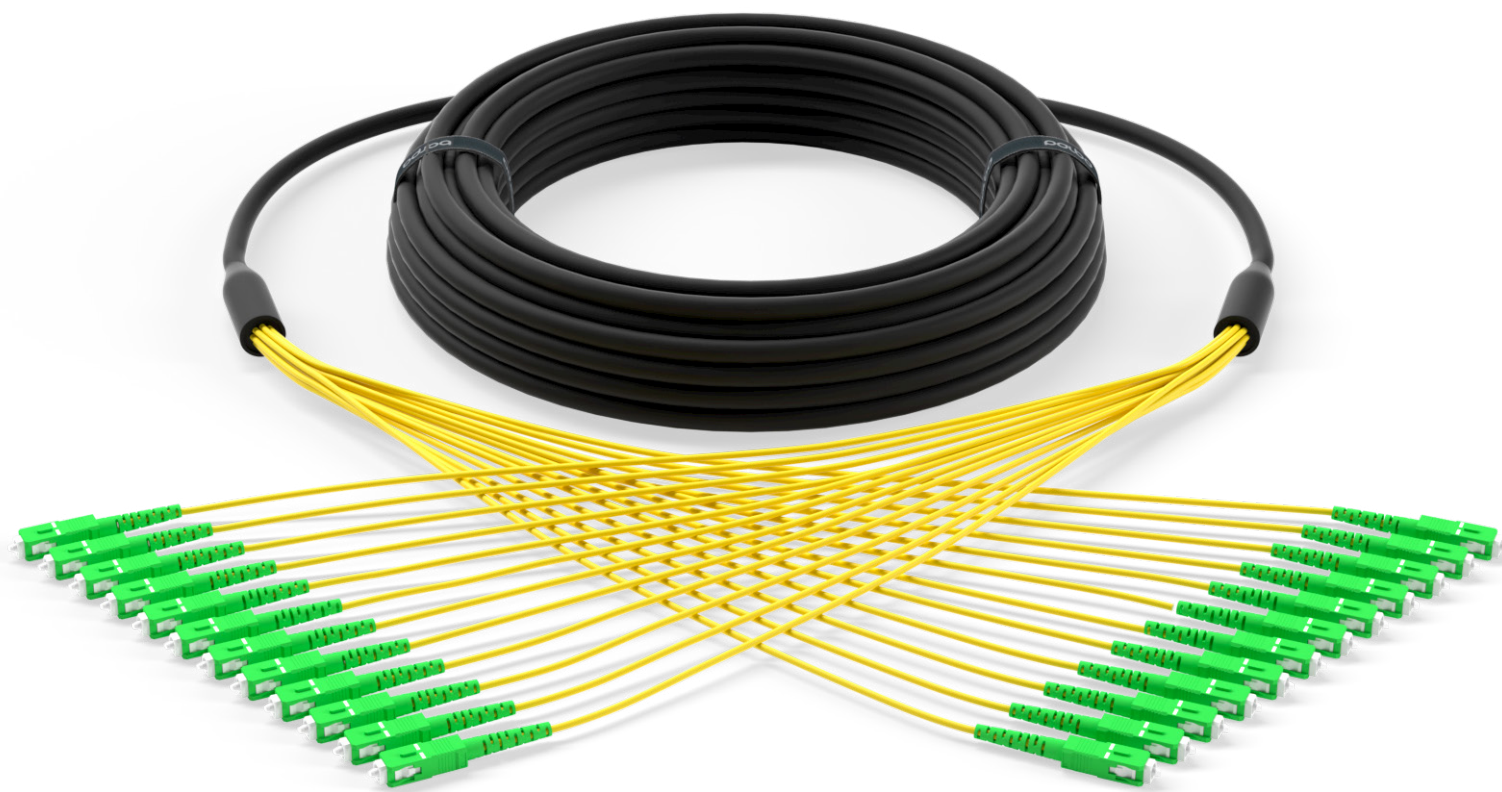
Ferrule Type	Zirconium Ceramic (ZrO <sub>2</sub> )
Operating Temperature	-20°C to +70°C
Durability	< 0.2dB typical change for >   500 matings

	Average values SM	Average values MM	Standards
Insertion Loss	≤0,2dB	≤0,3dB	IEC 61300-3-34
Return Loss	≥60dB	≥35dB	IEC 61300-3-6

### CABLES SPECIFICATIONS

Type	Cabo Unitubo PE	<div>  </div>
Categories	OS2 G652D / OM3 / OM4	
Coating	PE	
CPR Class	Fca	
Termination diameter	900µm / 2mm / 3mm	
N° of fibers	2 / 4 / 8 / 12 / 24	
Length	>= 3m to 2000m (Tolerance ± 2%)	
Packaging	Standard / Reel (>150m)	
Protection	Pulling Eye IP10 in one end included. <a href="#">If you want the Pulling Eye IP10 on both sides or a Pulling Eye IP68 please mention that on your request.</a>	
<b>Note:</b> From 4 to 24 fibers the conetorization will be staggered.		

# PRE-TERMINATED

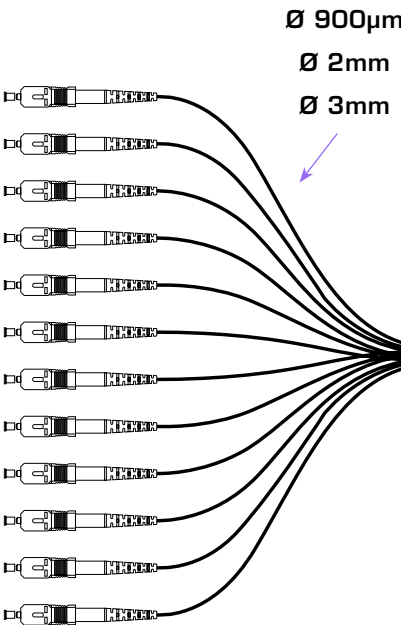


## Trunk Pre-terminated Cable Unitube Loose Tube PE

3/3

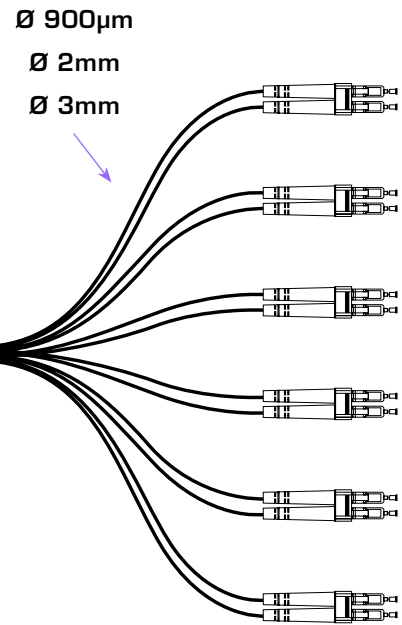
### SQUEME

Side A



Ø 900µm  
Ø 2mm  
Ø 3mm

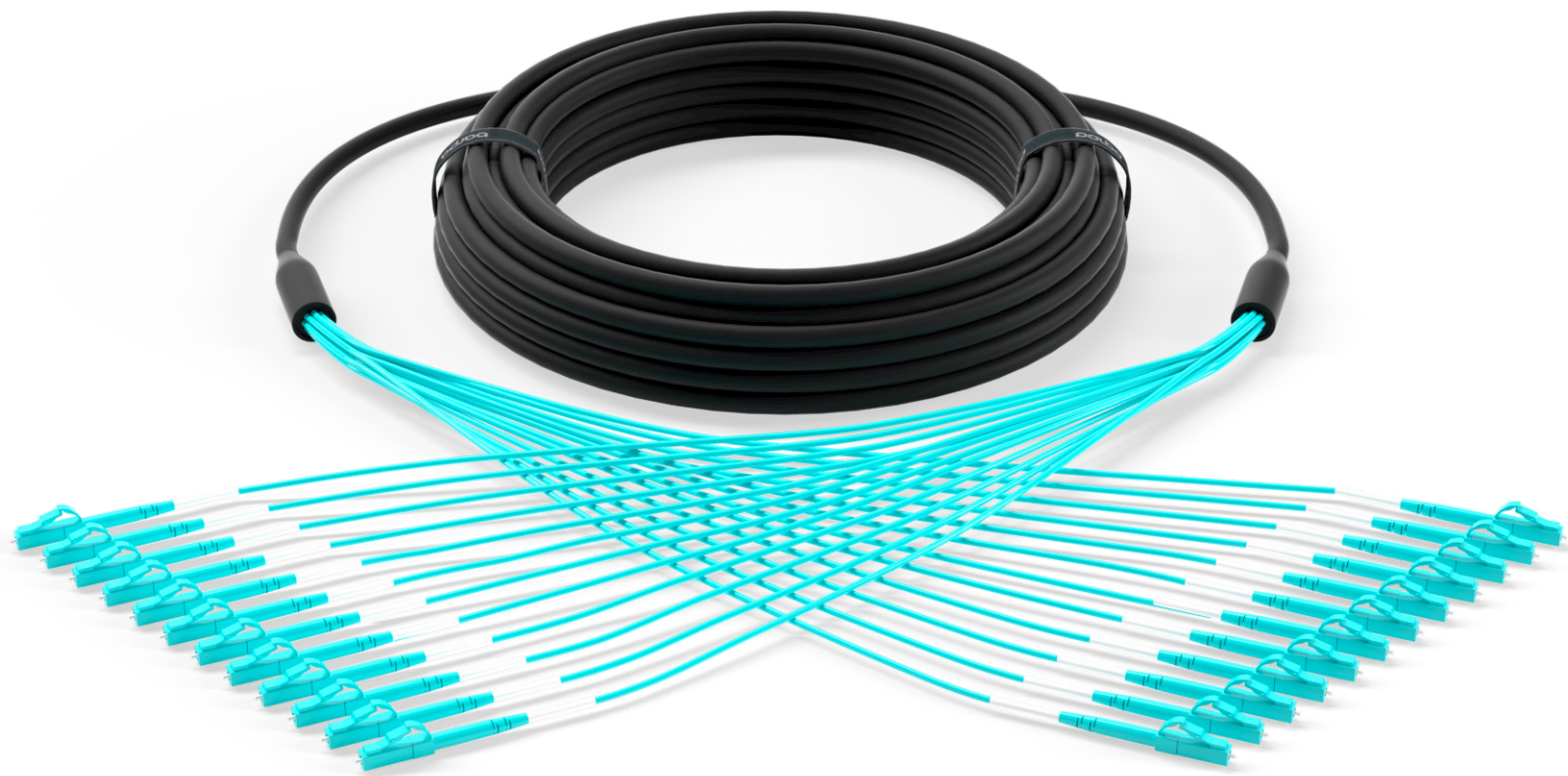
Side B



Ø 900µm  
Ø 2mm  
Ø 3mm

≥ 3m to 2000m

# PRE-TERMINATED



## Trunk Pre-terminated Cable

### Unitube with Corrugated Steel LSZH

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1/3

Suitable for indoor and outdoor applications.

Unitube with Corrugated Steel LSZH cable is mostly used for campus backbone applications.

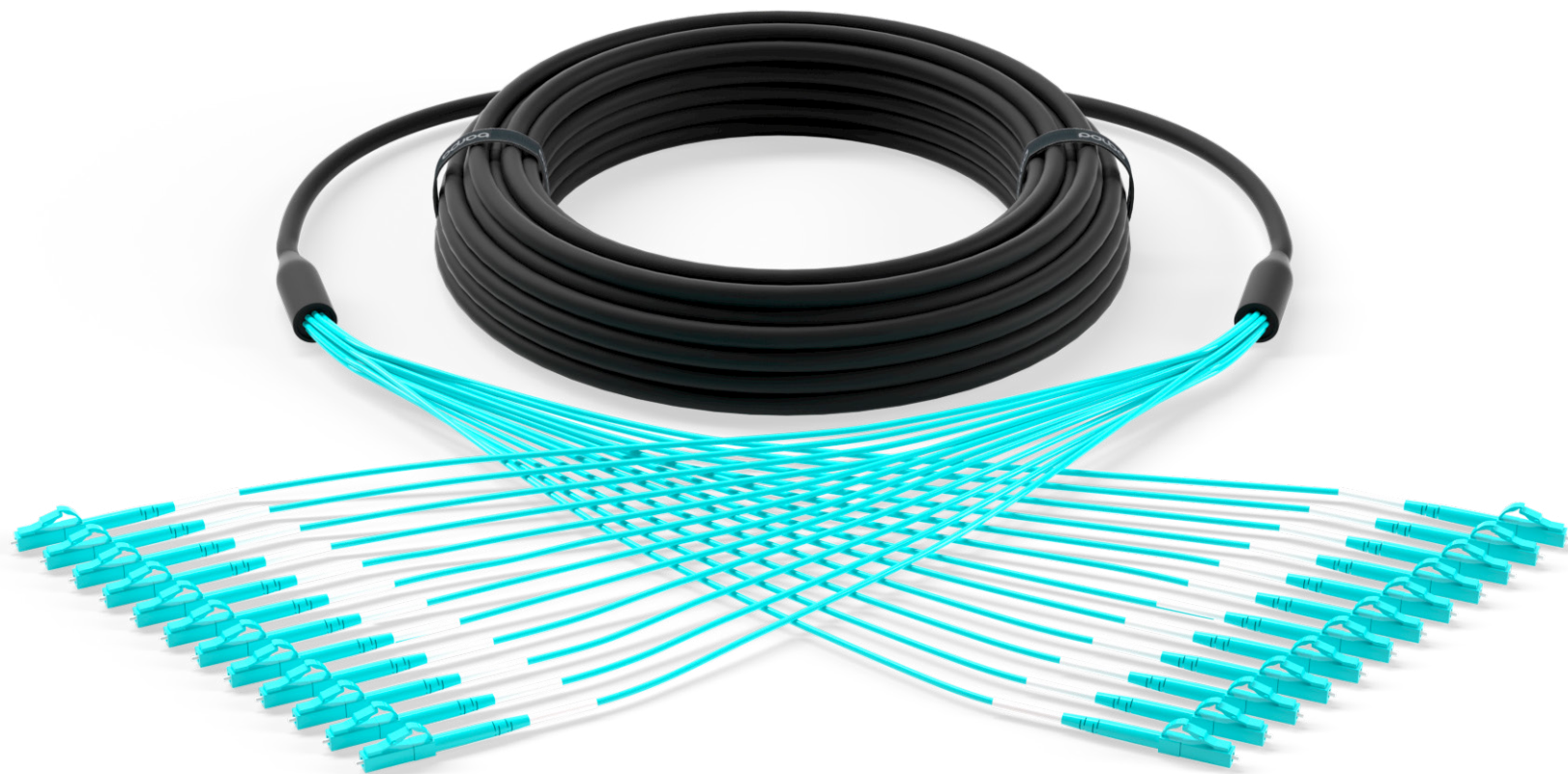
This cable can be applied in conduits, cable trays and underground.

The corrugated steel allows for rodent protection and fire retardant.

Can also be applied in cable trays.



# PRE-TERMINATED



## Trunk Pre-terminated Cable Unitube with Corrugated Steel LSZH

2/3

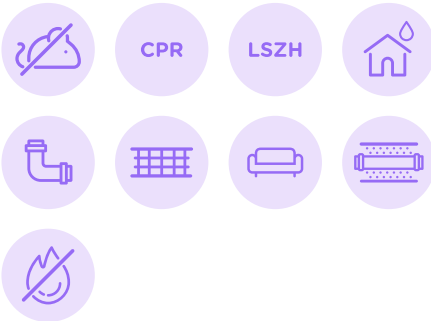
### CONNECTORS SPECIFICATIONS

										
	SC	LC	SC/APC	LC/APC	E2000	E2000/APC	FC	FC/APC	ST	
Standards	IEC 61754-4 TIA 604-3 RoHS	IEC 61754-20 TIA 604-10-A RoHS	IEC 61754-4 TIA 604-3 RoHS	IEC 61754-20 TIA 604-10-A RoHS	EC 61754-15 TIA-604-10		IEC 61754-13 TIA-604-4		IEC 61754-2 TIA-604-2	
										
	SC OM2		SC OM3		SC OM4		LC OM2		LC OM3	LC OM4
Standards	IEC 61754-4 TIA 604-3 RoHS				IEC 61754-20 TIA 604-10-A RoHS					
Ferrule Type	Zirconium Ceramic (ZrO <sub>2</sub> )									
Operating Temperature	-20°C to +70°C									
Durability	< 0.2dB typical change for >   500 matings									
	Average values SM				Average values MM			Standards		
Insertion Loss	≤0,2dB				≤0,3dB			IEC 61300-3-34		
Return Loss	≥60dB				≥35dB			IEC 61300-3-6		

### CABLES SPECIFICATIONS

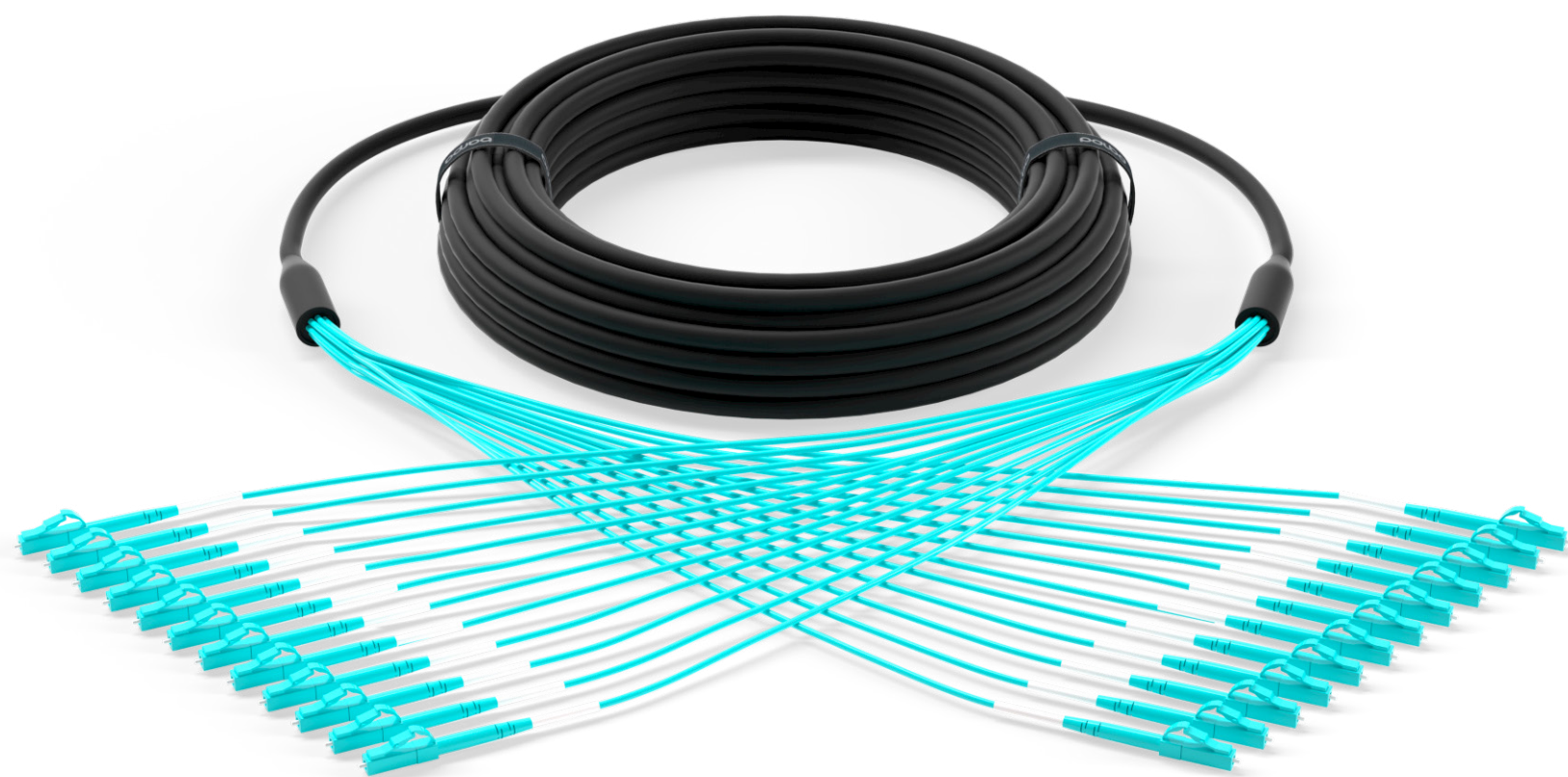
<b>Type</b>	Unitube with Corrugated Steel LSZH
<b>Categories</b>	OS2 G652D / OS2 G657A2 / OM3 / OM4
<b>Coating</b>	LSZH
<b>CPR Class</b>	Eca / Dca
<b>Termination diameter</b>	900µm / 2mm / 3mm
<b>N° of fibers</b>	2 / 4 / 8 / 12 / 24
<b>Length</b>	>= 3m to 2000m (Tolerance ± 2%)
<b>Packaging</b>	Standard / Reel (>150m)
<b>Protection</b>	Pulling Eye IP10 in one end included. <a href="#">If you want the Pulling Eye IP10 on both sides or a Pulling Eye IP68 please mention that on your request.</a>

### CHARACTERISTICS



**Note:** From 4 to 24 fibers the conetorization will be staggered.

# PRE-TERMINATED

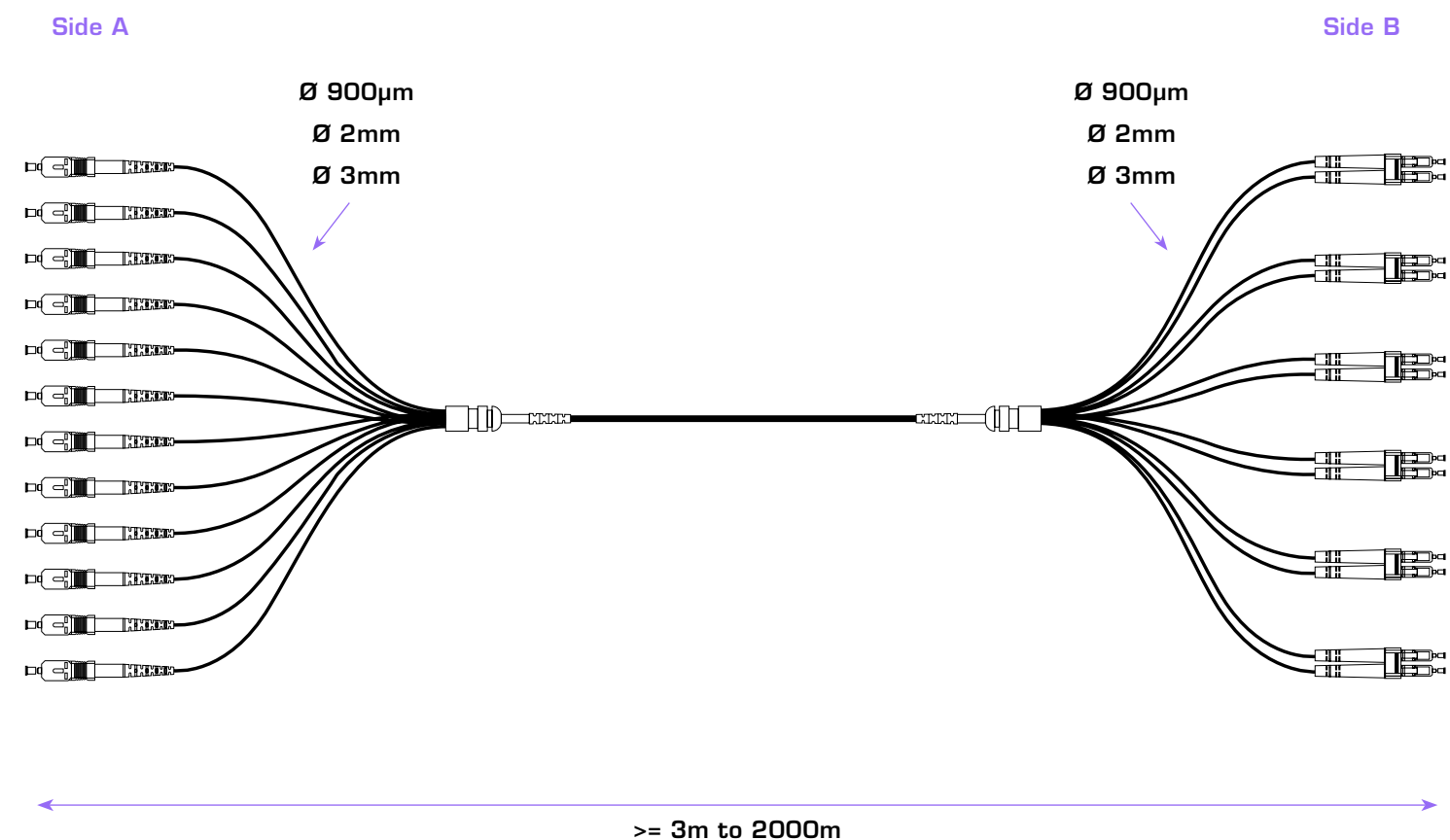


## Trunk Pre-terminated Cable

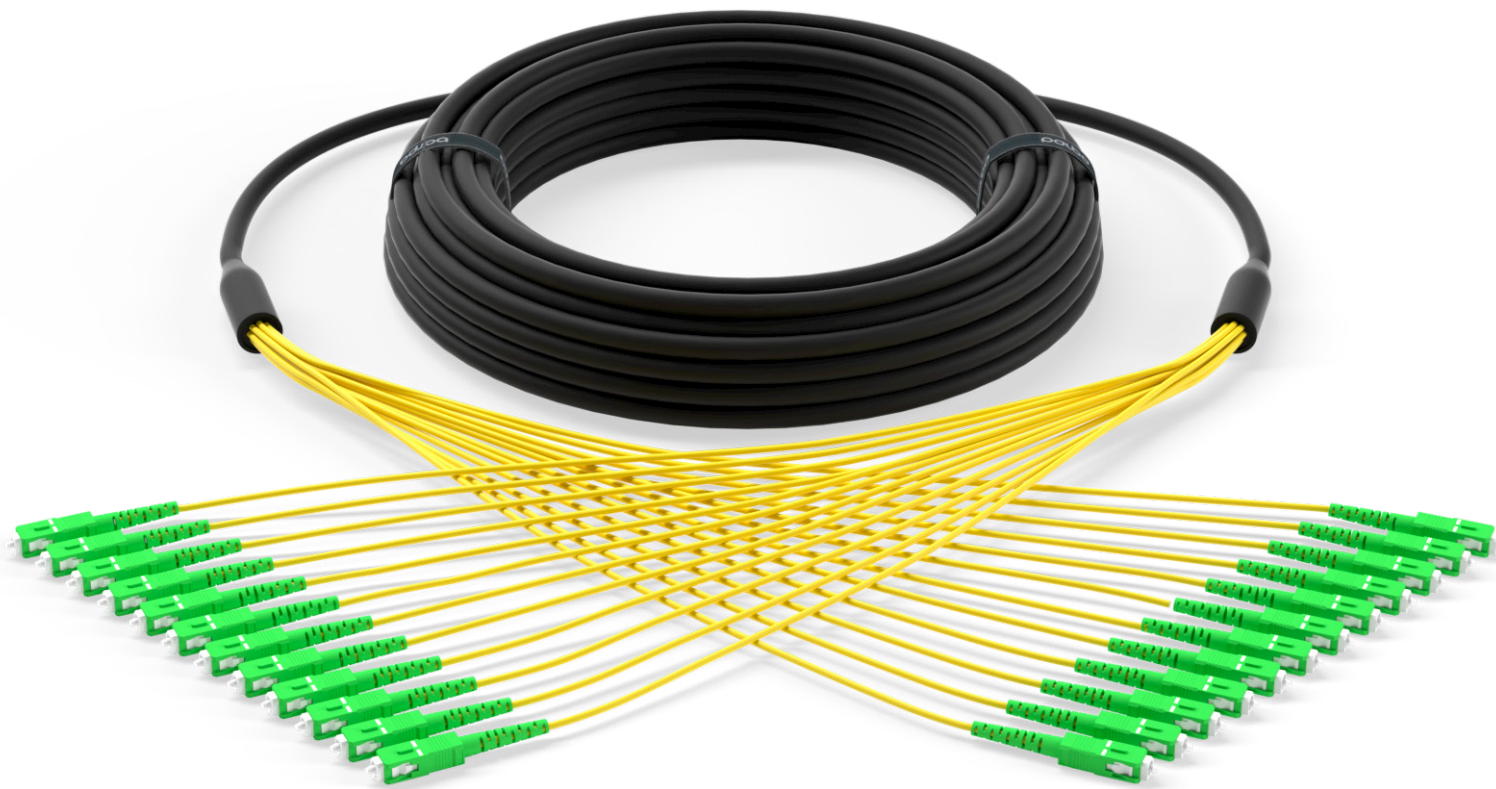
3/3

Unitube with Corrugated Steel LSZH

### CONNECTORS SPECIFICATIONS



# PRE-TERMINATED



## Trunk Pre-terminated Cable

### Unitube with Corrugated Steel PE

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1/3

Suitable for outdoor applications.

Unitube with Corrugated Steel PE cable is mostly used for campus backbone applications.

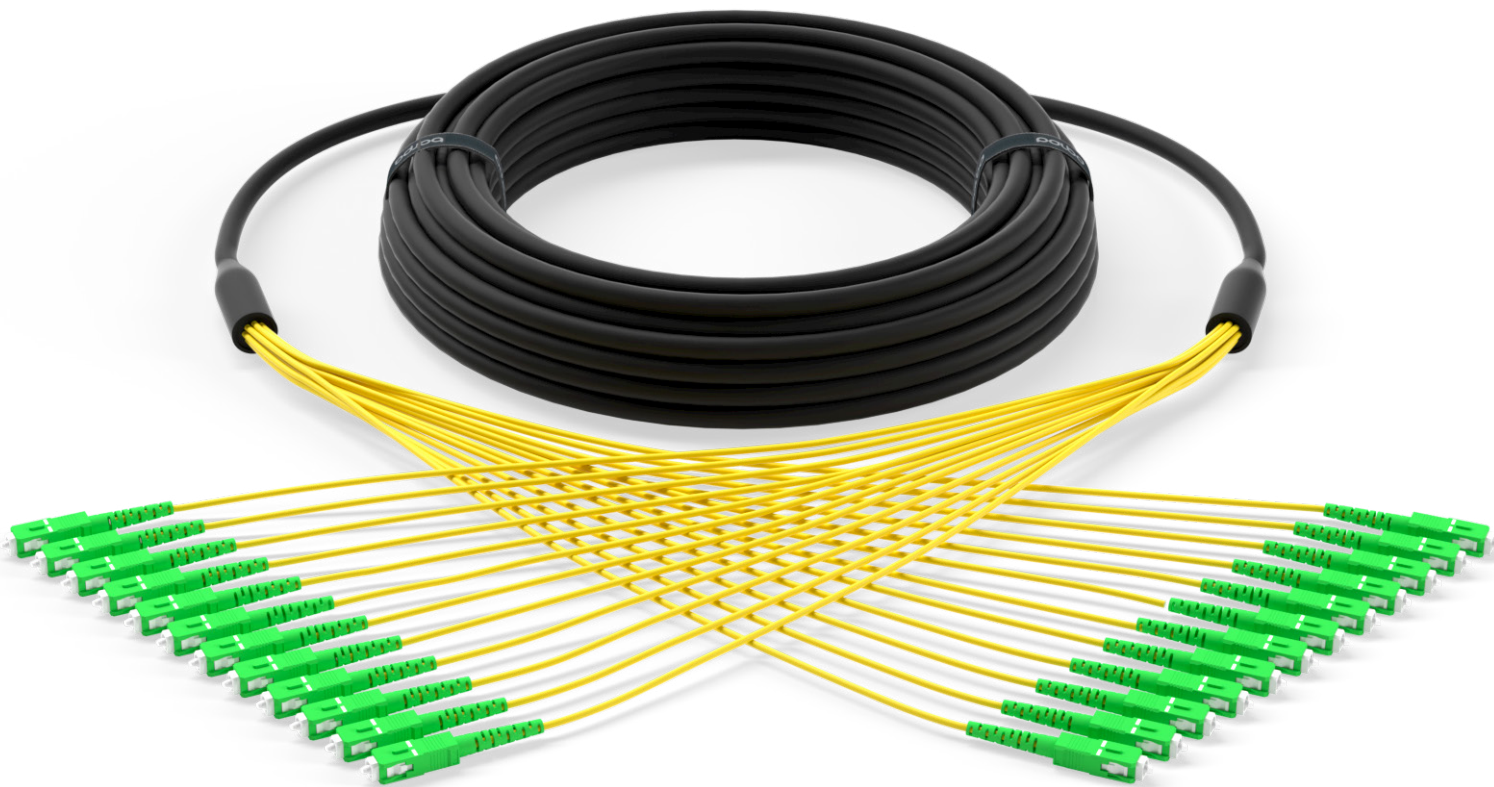
This cable is suited to be applied in conduits and underground.

The corrugated steel allows for rodent protection.

Can also be applied in cable trays.




# PRE-TERMINATED



## Trunk Pre-terminated Cable Unitube with Corrugated Steel PE

2/3

### CONNECTORS SPECIFICATIONS

									
	SC	LC	SC/APC	LC/APC	E2000	E2000/APC	FC	FC/APC	ST
Standards	IEC 61754-4 TIA 604-3 RoHS	IEC 61754-20 TIA 604-10-A RoHS	IEC 61754-4 TIA 604-3 RoHS	IEC 61754-20 TIA 604-10-A RoHS	EC 61754-15 TIA-604-10		IEC 61754-13 TIA-604-4		IEC 61754-2 TIA-604-2

						
	SC OM2	SC OM3	SC OM4	LC OM2	LC OM3	LC OM4
Standards	IEC 61754-4 TIA 604-3 RoHS			IEC 61754-20 TIA 604-10-A RoHS		

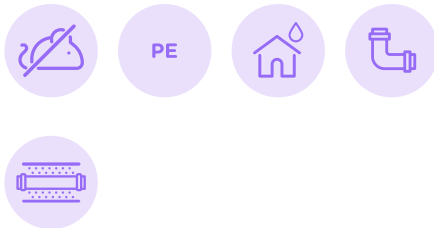
Ferrule Type	Zirconium Ceramic (ZrO <sub>2</sub> )		
Operating Temperature	-20°C to +70°C		
Durability	< 0.2dB typical change for >   500 matings		

	Average values SM	Average values MM	Standards
Insertion Loss	≤0,2dB	≤0,3dB	IEC 61300-3-34
Return Loss	≥60dB	≥35dB	IEC 61300-3-6

### CABLES SPECIFICATIONS

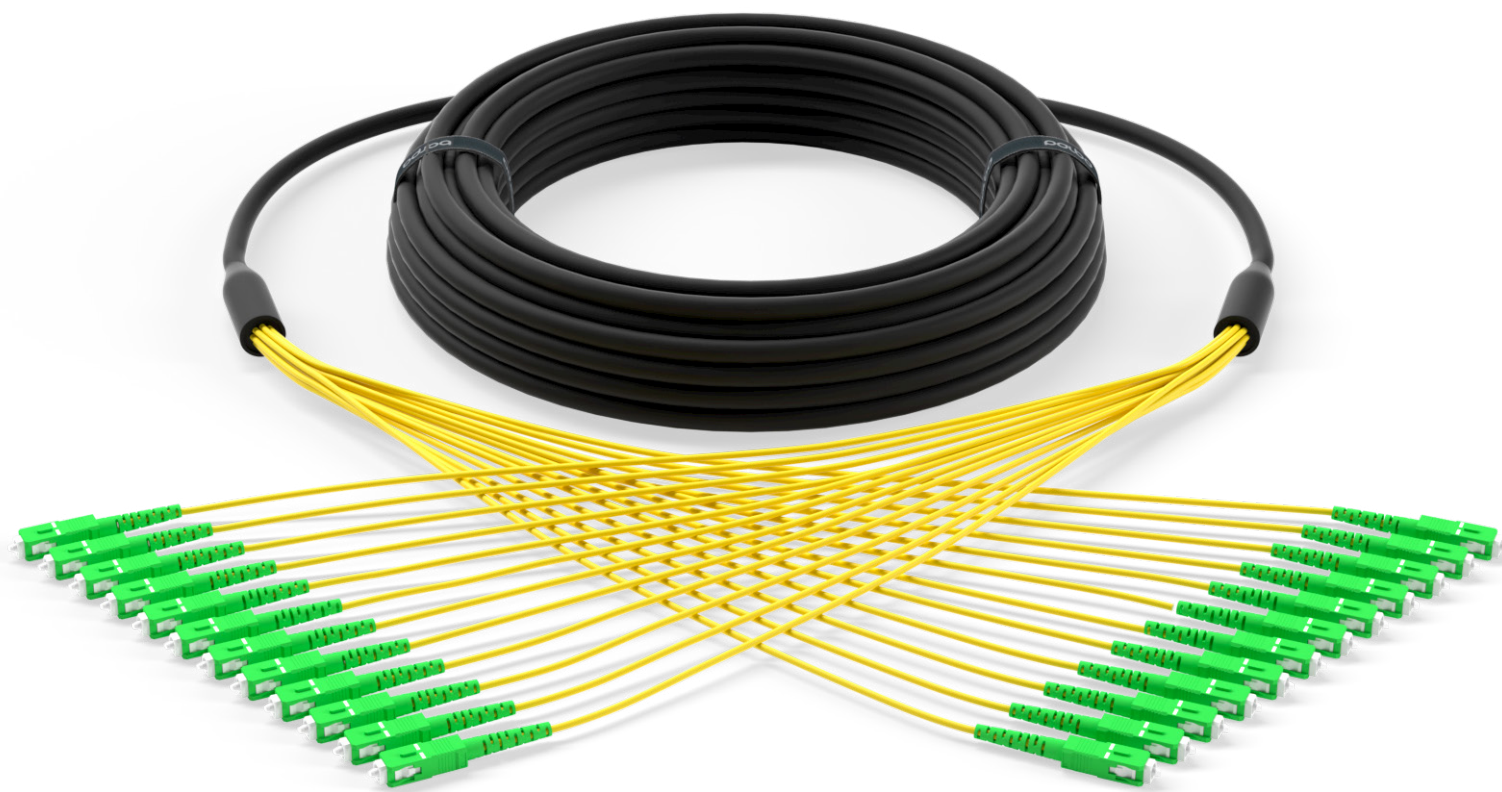
Type	Unitube with Corrugated Steel PE
Categories	OS2 G652D / OM3 / OM4
Coating	PE
CPR Class	Fca
Termination diameter	900µm / 2mm / 3mm
N° of fibers	2 / 4 / 8 / 12 / 24
Length	>= 3m to 2000m (Tolerance ± 2%)
Packaging	Standard / Reel (>150m)
Protection	Pulling Eye IP10 in one end included. <a href="#">If you want the Pulling Eye IP10 on both sides or a Pulling Eye IP68 please mention that on your request.</a>

### CHARACTERISTICS



**Note:** From 4 to 24 fibers the conetorization will be staggered.

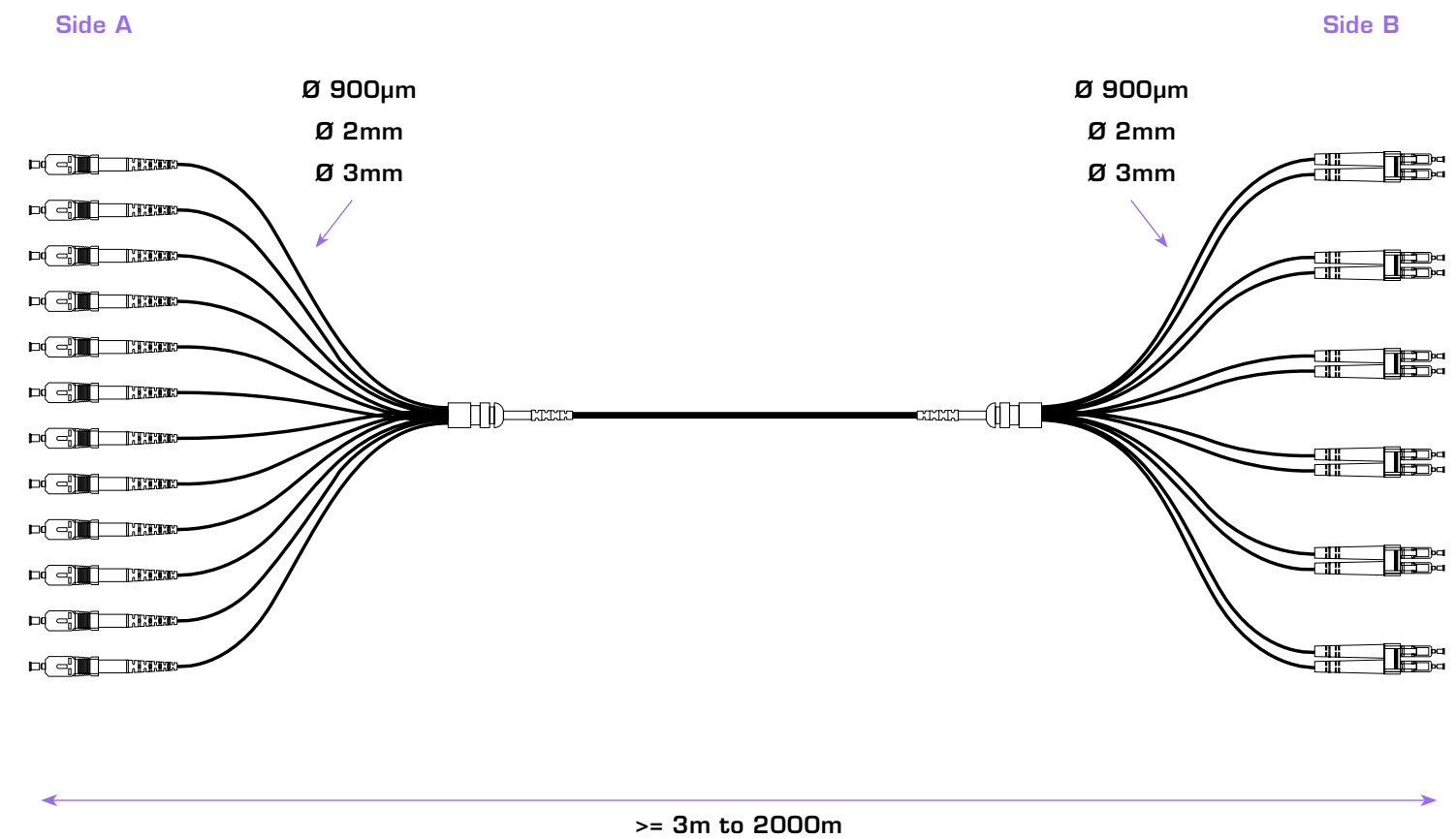
# PRE-TERMINATED



## Trunk Pre-terminated Cable Unitube with Corrugated Steel PE

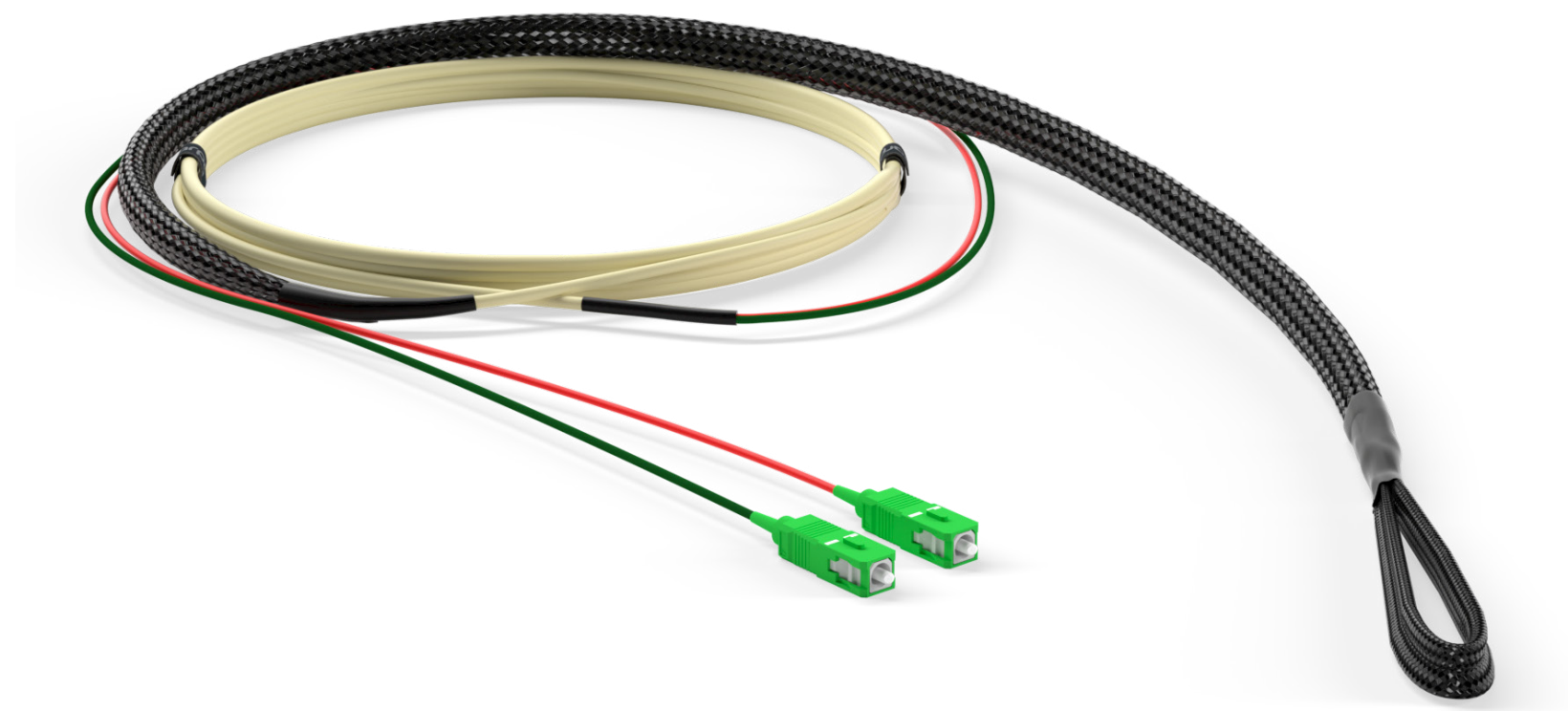
3/3

### SQUEME





# PRE-TERMINATED



## Breakout Pre-terminated Cable Drop

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1/2

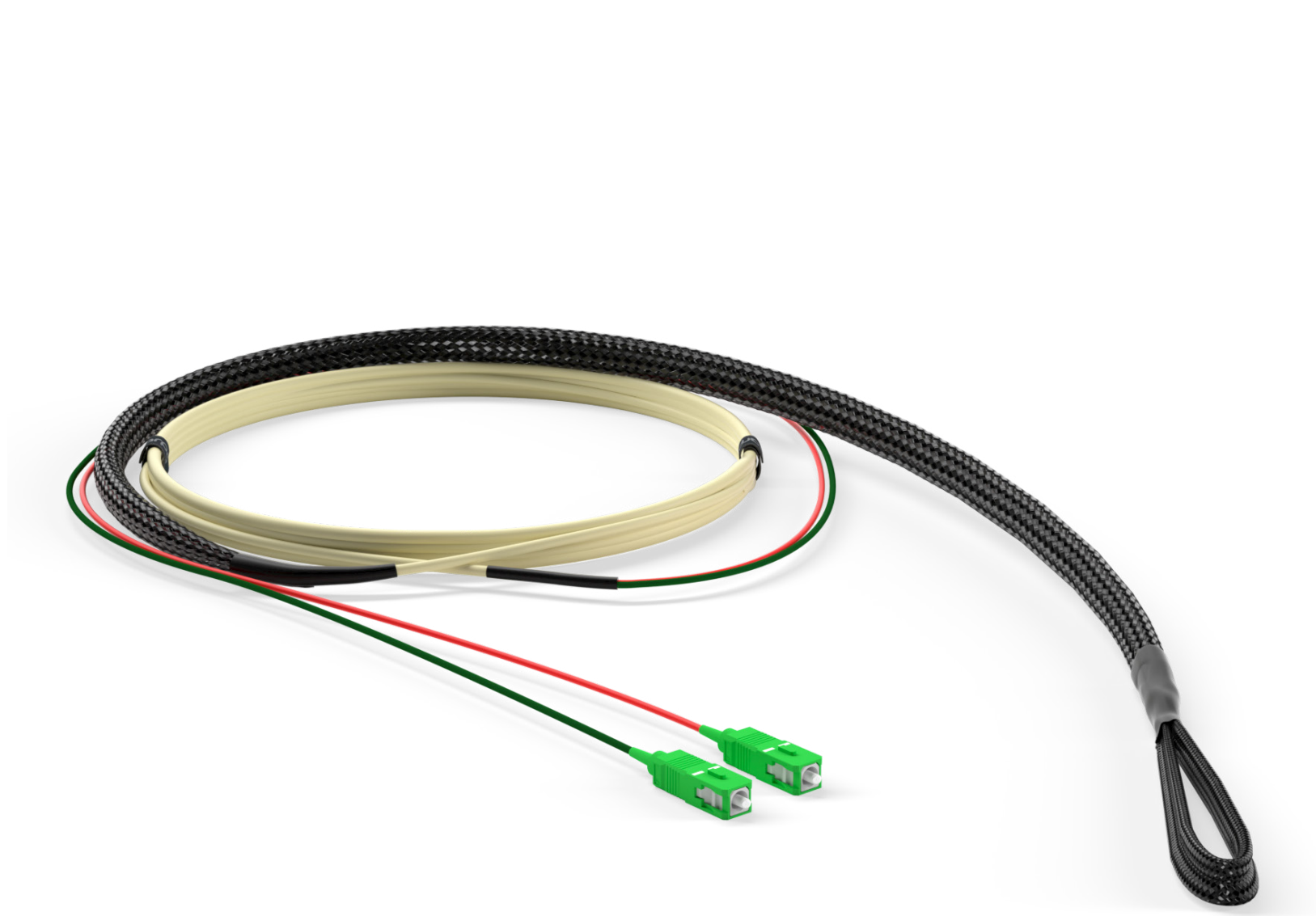
Drop Cable is easy to install and connect.

It has two adjusted 900µm fibers, each identified with a different color, green and red.

Is a singlemode with LSZH coating, making it suitable to indoor applications.

Can also be applied in cable trays.

# PRE-TERMINATED



## Breakout Pre-terminated Cable Drop

2/2

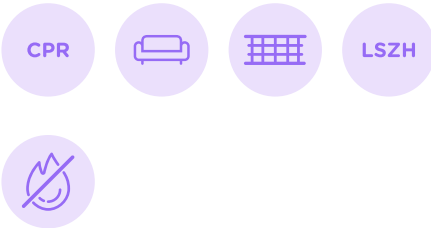
### CONNECTORS SPECIFICATIONS

									
	SC	LC	SC/APC	LC/APC	E2000	E2000/APC	FC	FC/APC	ST
Standards	IEC 61754-4 TIA 604-3 RoHS	IEC 61754-20 TIA 604-10-A RoHS	IEC 61754-4 TIA 604-3 RoHS	IEC 61754-20 TIA 604-10-A RoHS	IEC 61754-15 TIA-604-10		EC 61754-13 TIA-604-4		IEC 61754-2 TIA-604-2
Ferrule Type	Zirconium Ceramic (ZrO <sub>2</sub> )								
Operating Temperature	-20°C to +70°C								
Durability	< 0.2dB typical change for >   500 matings								
Average values					Standards				
Insertion Loss	≤0,2dB				IEC 61300-3-34				
Return Loss	≥60dB				IEC 61300-3-6				

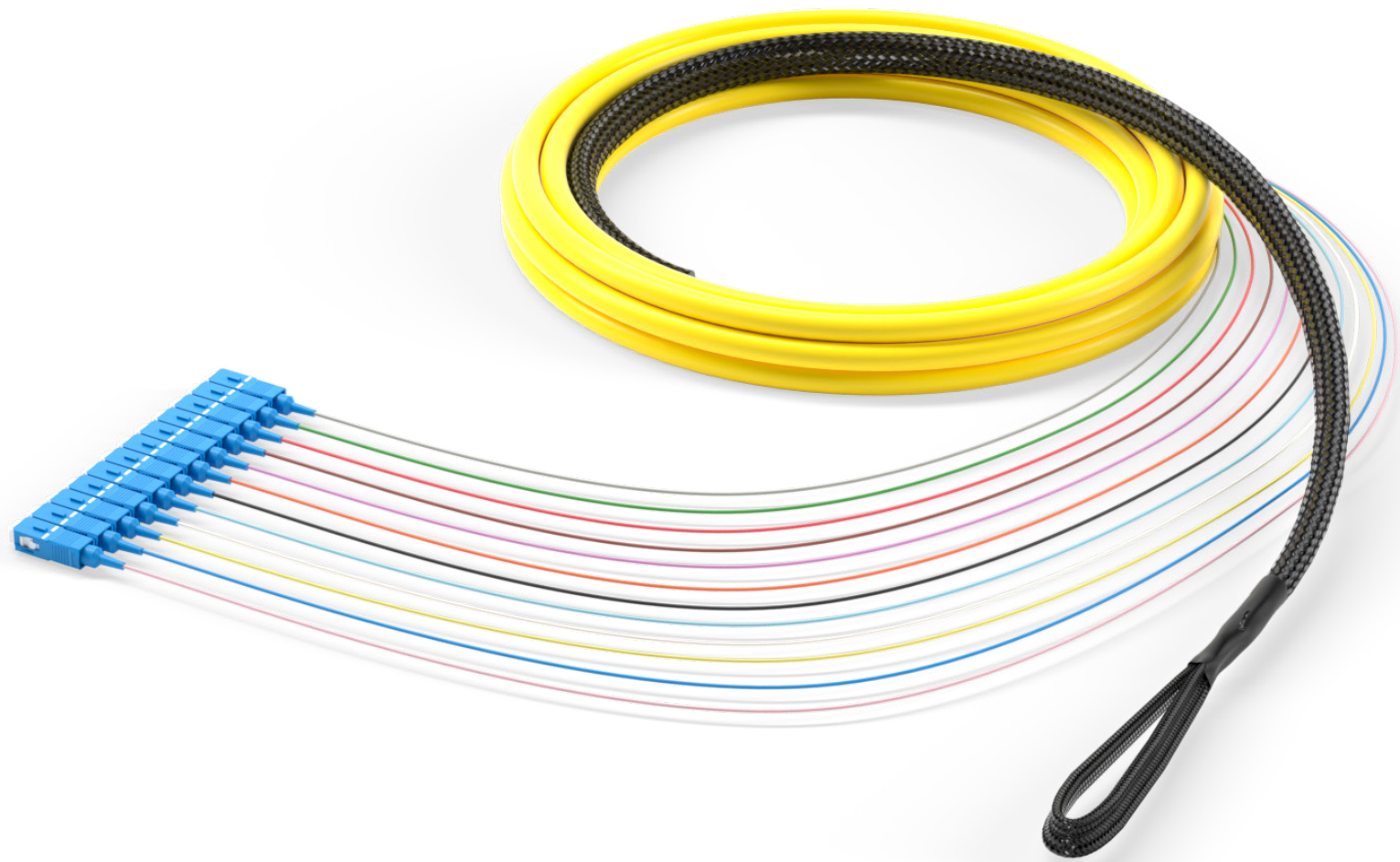
### CABLES SPECIFICATIONS

Type	Drop Cable
Categories	OS2 G657A2
Coating	LSZH
CPR Class	Cca
Termination diameter	900µm   2mm
N° of fibers	2
Length	3m to 2000m (Tolerance ± 2%)
Packaging	Standard / Reel (>200m)
Protection	Pulling Eye IP10 in one end included. <a href="#">If you want the Pulling Eye IP10 on both sides please mention that on your request.</a>

### CHARACTERISTICS



# PRE-TERMINATED



## Breakout Pre-terminated Cable Distribution

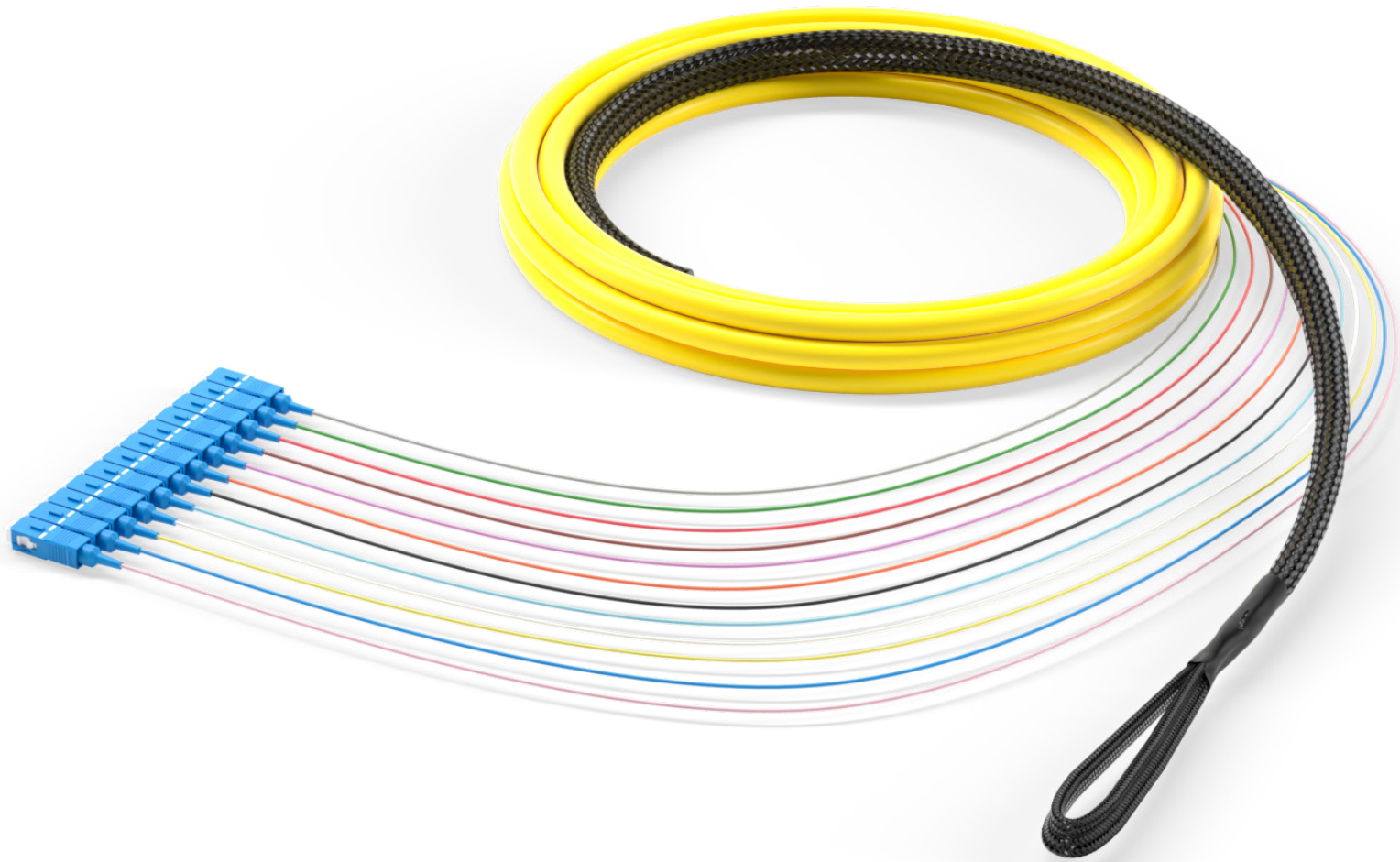
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1/3

The distribution cable is ideal for backbone applications and horizontal distribution.

Used in data centers, local networks, SANs and long distance backbones.

Can be applied in air conduits and cable trays. It is fire retardant.



## Breakout Pre-terminated Cable Distribution

### CONNECTORS SPECIFICATIONS

									
	SC	LC	SC/APC	LC/APC	E2000	E2000/APC	FC	FC/APC	ST
Standards	IEC 61754-4 TIA 604-3 RoHS	IEC 61754-20 TIA 604-10-A RoHS	IEC 61754-4 TIA 604-3 RoHS	IEC 61754-20 TIA 604-10-A RoHS	EC 61754-15 TIA-604-10		IEC 61754-13 TIA-604-4		IEC 61754-2 TIA-604-2
									
	SC OM2	SC OM3	SC OM4	SC OM5	LC OM2	LC OM3	LC OM4	LC OM5	
Standards	IEC 61754-4 TIA 604-3 RoHS					IEC 61754-20 TIA 604-10-A RoHS			

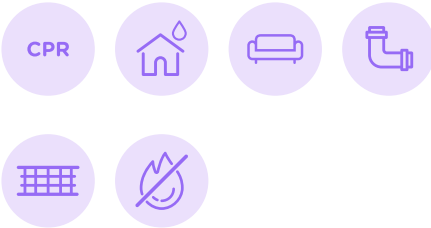
### CONNECTORS SPECIFICATIONS

Ferrule Type	Zirconium Ceramic (ZrO <sub>2</sub> )		
Operating Temperature	-20°C to +70°C		
Durability	< 0.2dB typical change for >   500 matings		
	Average values SM	Average values MM	Standards
Insertion Loss	≤0,2dB	≤0,3dB	IEC 61300-3-34
Return Loss	≥60dB	≥35dB	IEC 61300-3-6

### CABLES SPECIFICATIONS

Type	Distribution Cable (Adjusted Fiber)
Categories	OS2 G652D / OS2 G657A2 / OM2 / OM3 / OM4 / OM5
Coating	LSZH
CPR Class	Eca / Dca / Cca / B2ca*
Termination diameter	900µm   2mm   3mm
N°of fibers	2 / 4 / 8 / 12 / 24
Length	3m to 2000m (Tolerance ± 2%)
Packaging	Standard / Reel (>150m)
Protection	Pulling Eye IP10 in one end included. <a href="#">If you want the Pulling Eye IP10 on both sides please mention that on your request.</a>

### CHARACTERISTICS

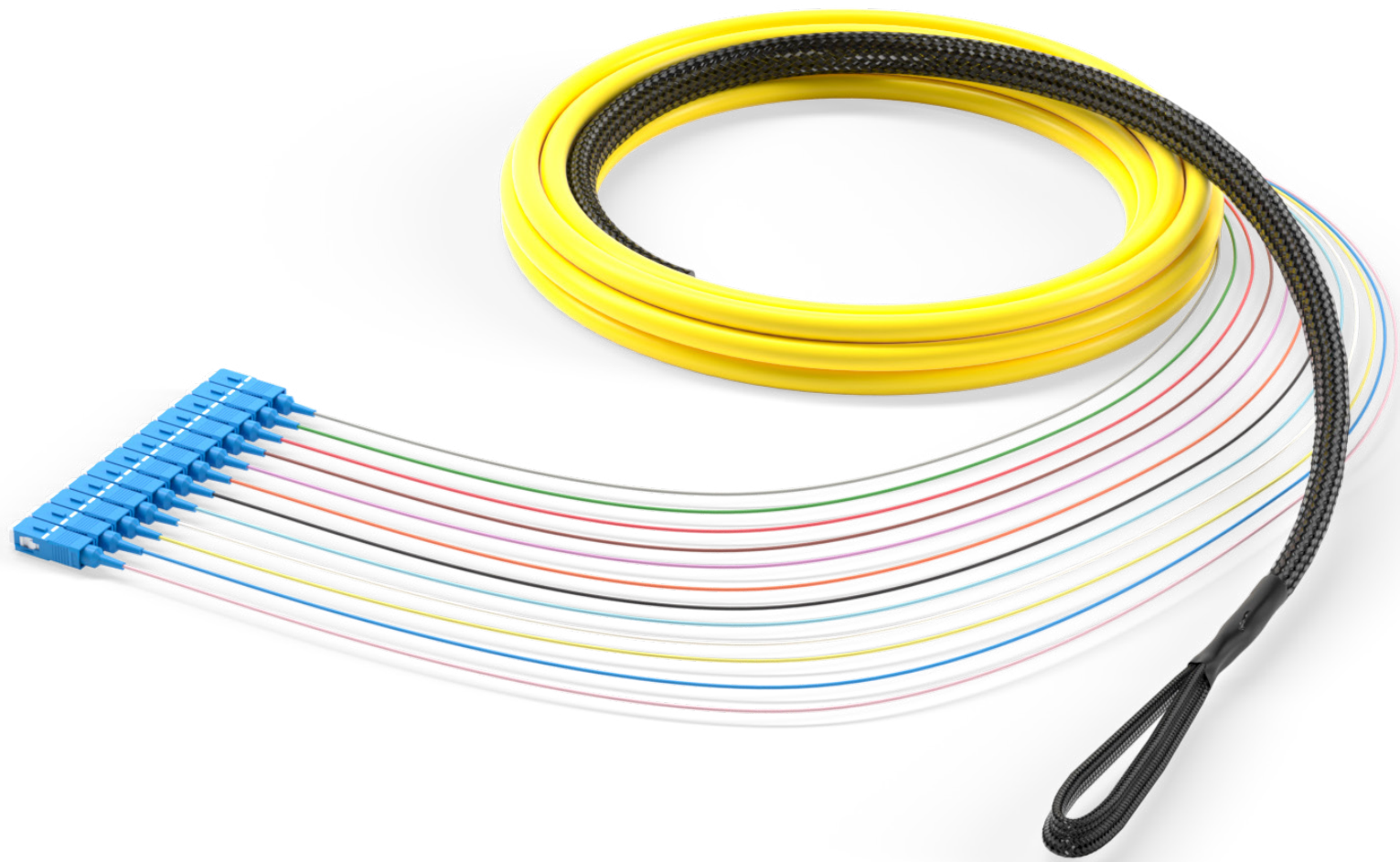


**Note:** From 4 to 24 fibers the conetorization will be staggered.

\*Only available in OM5 category



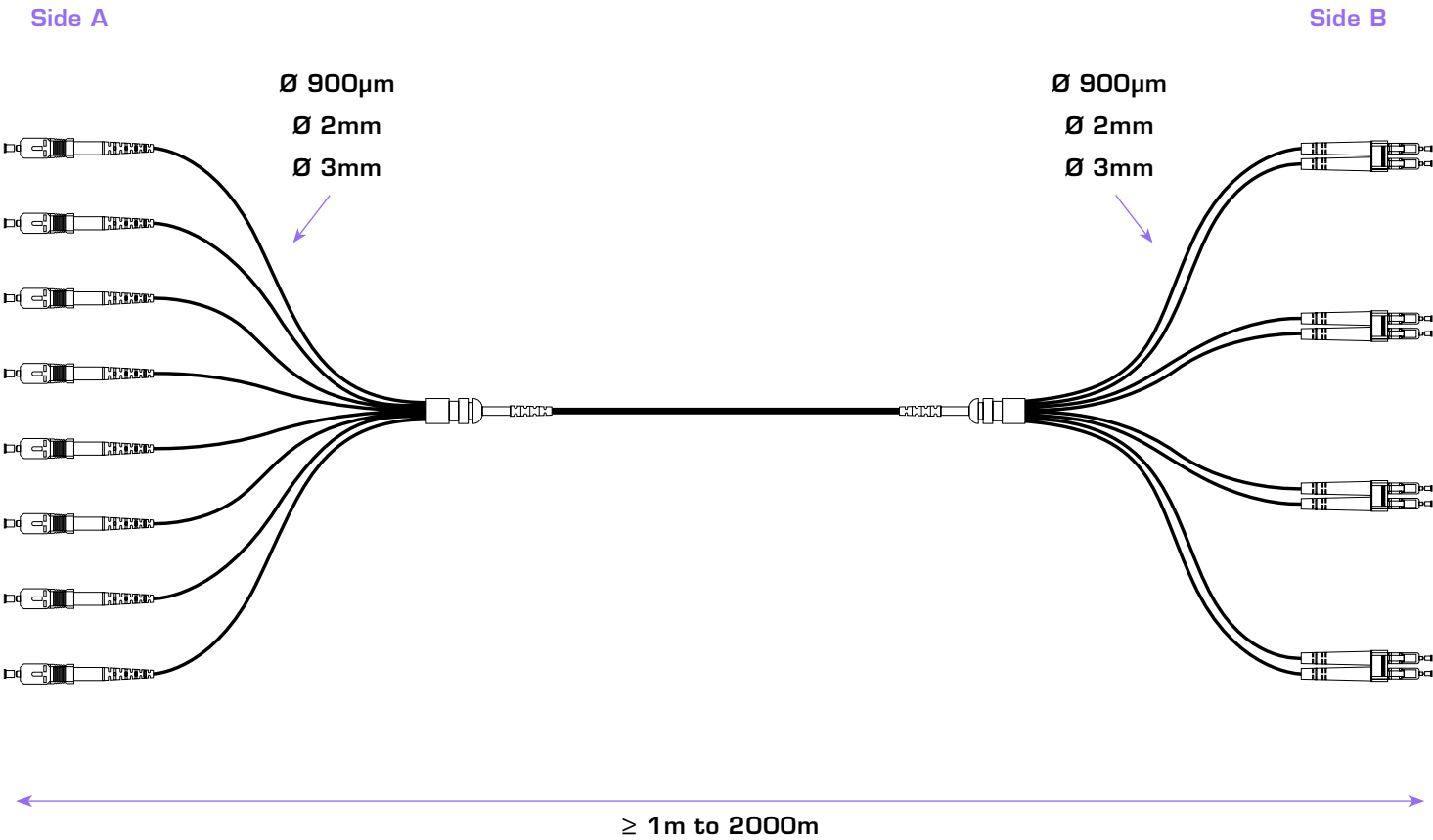
# PRE-TERMINATED



## Breakout Pre-terminated Cable Distribution

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### SCHEME





## Protection Pulling Eye IP68 or IP10

Since connectors and fanouts are the most sensitive part of a pre-terminated cable, it is essential to ensure its protection throughout the supply chain and, above all, at the moment of the installation.

**At HIGGS we developed two pulling eye systems that protect the cables in the best possible way.**

Both provide the possibility of towing the cable during the installation process, ensuring that the traction forces are applied in the correct areas and don't compromise the connectorizations or the cable itself.

The **pulling eye IP10** has an IP10 degree of protection, protecting the connectors from light impacts during transport and installation. The eye system helps guide the cable during installation.

The **pulling eye IP68** is recommended for applications where protection from dust and continuous water immersion is needed.

**When ordering select one of these solutions in one or both ends.**

Pulling-Eye IP10



Pulling-Eye IP68



# Pre-terminated Cables Solutions

Everything you need to select when ordering:

CATEGORY	OS2 G652D	OS2 G657A2	OM2	OM3	OM4	OM5				
CABLE TYPE	Drop	Distribution	Unitube with Corrugated Steel PE	Unitube with Corrugated Steel LSZH	Unitube Loose Tube PE	Unitube Loose Tube LSZH				
FANOUT CABLE DIAMETER	900µm	2mm	3mm							
CPR CLASS*	Fca	Eca	Dca	Cca	Fca (PE)	B2ca				
NUMBER OF FIBERS	2	4	6	8	12	24				
CONETOR A	SC	SC/APC	LC	LC/APC	E2000	E2000/APC	FC	FC/APC	ST	
CONETOR B	SC	SC/APC	LC	LC/APC	E2000	E2000/APC	FC	FC/APC	ST	
TERMINATION	Staggered	Aligned								
PROTECTION END A	Pulling Eye IP68	Pulling Eye IP10 (Standard)								
PROTECTION END B	Pulling Eye IP68	Pulling Eye IP10								Without protection (Standard)
PACKAGING	Standard	Reel ≥150m								
LENGTH	≥ 3m to 2000m (Tolerance ± 2%)									

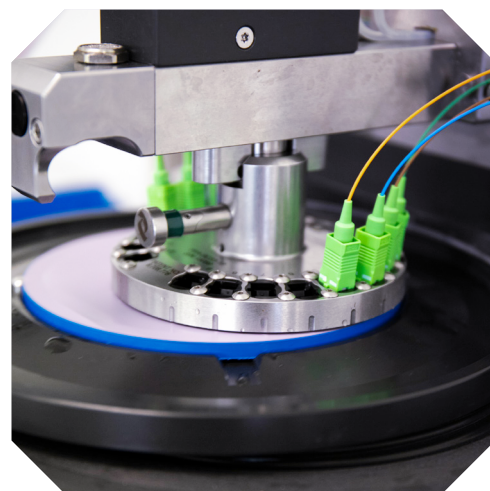
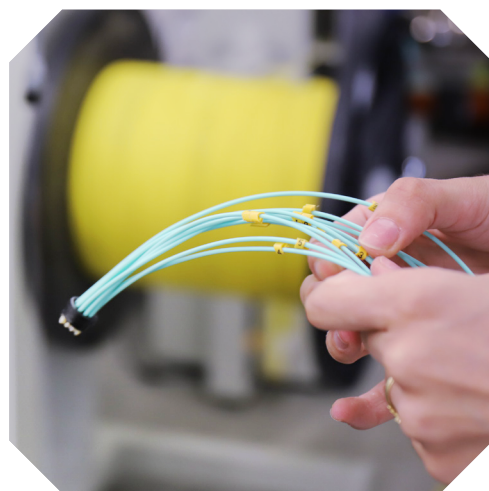
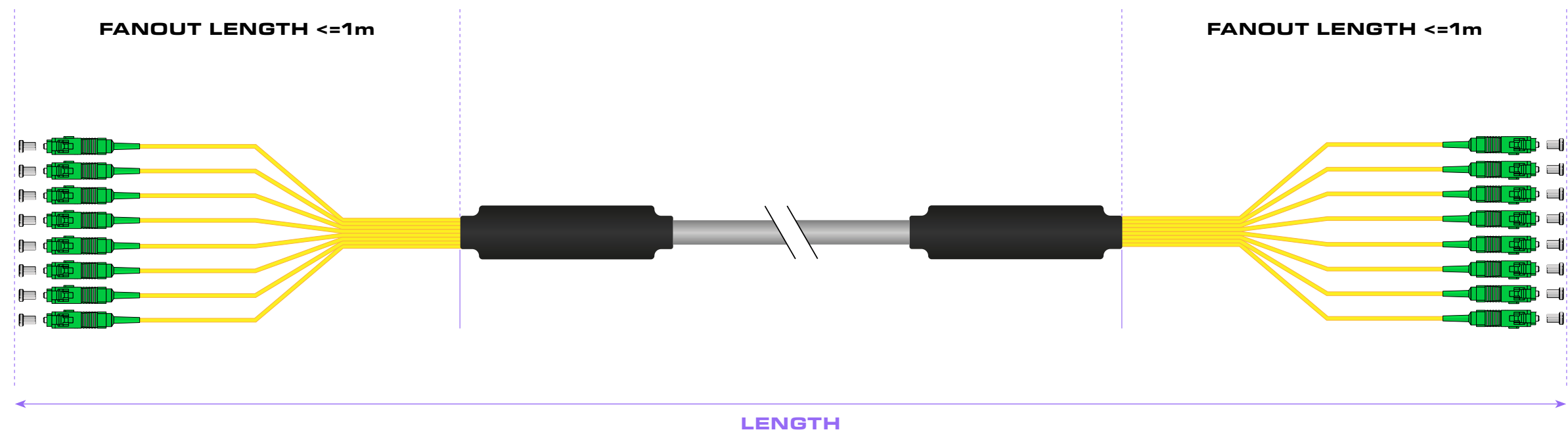
\*Some [CPR classes](#) are only available upon request.

For assistance when customizing your cable, please contact our team by sending an email to [info@barpa.eu](mailto:info@barpa.eu)



Pre-terminated Cables Solutions

Cable **length** is measured from one ferrule to the other including the dust cap. Tolerance  $\pm 2\%$ .





## Pre-terminated Cables Solutions

### Advantages

#### **Plug N' Play Solution**

**A quicker and more reliable installation**

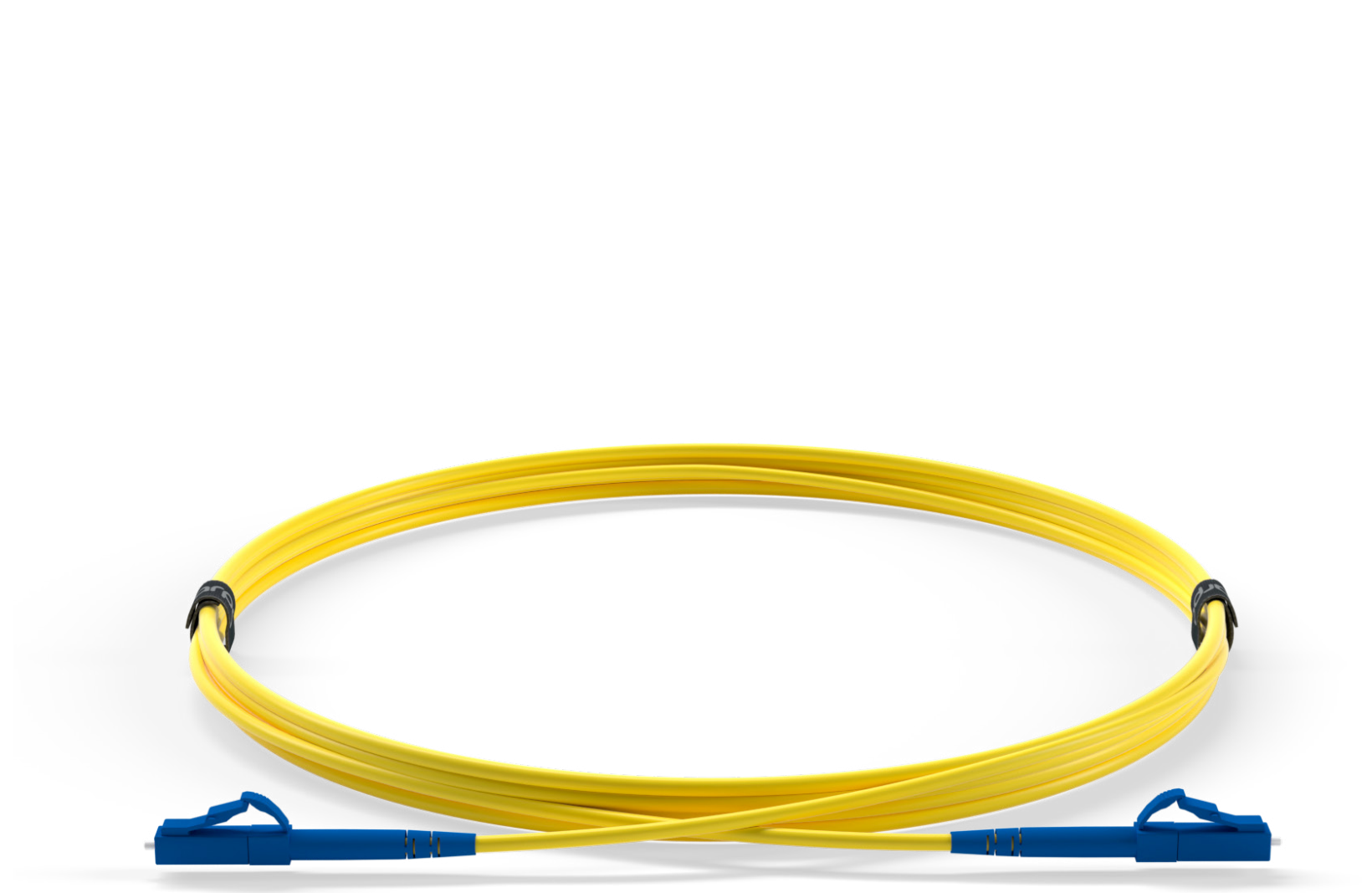
**No need for tools or special machines**

**Production made in laboratory in a controlled environment**

**100% inspection, total traceability**

**Less cable wasted in the construction of a building**

# PATCH CORD



## Patch cord Singlemode Simplex

### CONNECTORS SPECIFICATIONS


									
	SC	LC	SC/APC	LC/APC	E2000	E2000/APC	FC	FC/APC	ST
Standards	IEC 61754-4 TIA 604-3 RoHS	IEC 61754-20 TIA 604-10-A RoHS	IEC 61754-4 TIA 604-3 RoHS	IEC 61754-20 TIA 604-10-A RoHS	EC 61754-15 TIA-604-10		IEC 61754-13 TIA-604-4		IEC 61754-2 TIA-604-2
Ferrule Type	Zirconium Ceramic (ZrO <sub>2</sub> )								
Operating Temperature	-20°C to +70°C								
Durability	< 0.2dB typical change for >   500 matings								
Average values					Standards				
Insertion Loss	≤0,2dB				IEC 61300-3-34				
Return Loss	≥60dB				IEC 61300-3-6				


### CABLES SPECIFICATIONS

Type	Zipcord
Categories	OS2 G652D / OS2 G657A2 / OS2 G657B3
Coating	LSZH
CPR Class	Eca / Dca
Termination diameter	2mm / 3mm
N° of fibers	1
Length	0,5 – 2000m (Tolerance ± 1%)
Packaging	Standard (Bag)


### CHARACTERISTICS

CPR



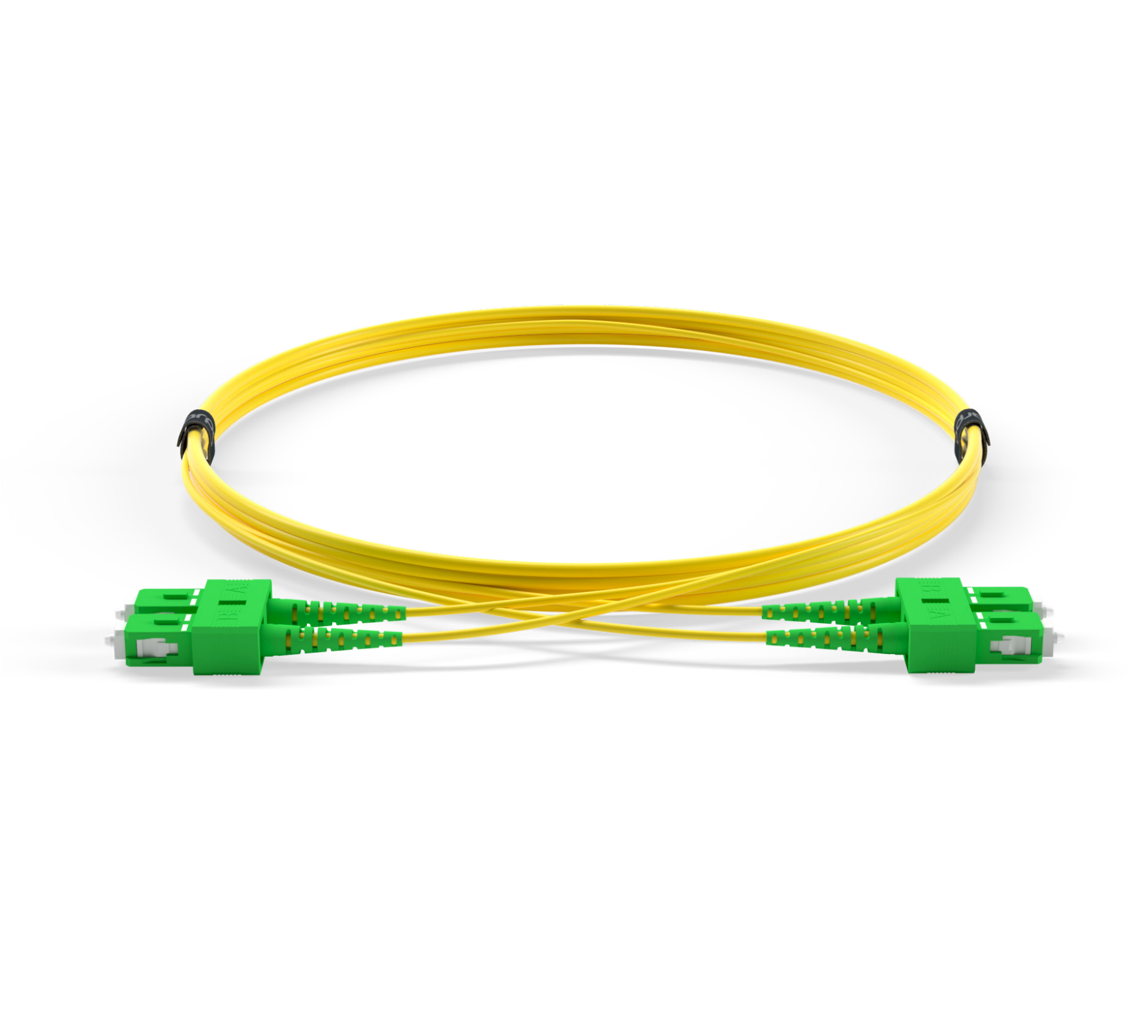


LSZH





# PATCH CORD



## Patch cord Singlemode Duplex

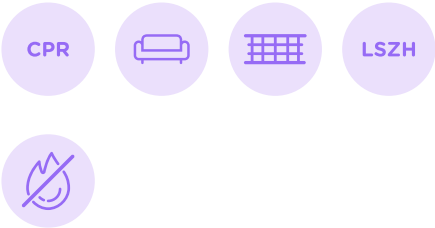
### CONNECTORS SPECIFICATIONS

									
	SC	LC	SC/APC	LC/APC	E2000	E2000/APC	FC	FC/APC	ST
Standards	IEC 61754-4 TIA 604-3 RoHS	IEC 61754-20 TIA 604-10-A RoHS	IEC 61754-4 TIA 604-3 RoHS	IEC 61754-20 TIA 604-10-A RoHS	EC 61754-15 TIA-604-10		IEC 61754-13 TIA-604-4		IEC 61754-2 TIA-604-2
Ferrule Type	Zirconium Ceramic (ZrO <sub>2</sub> )								
Operating Temperature	-20°C to +70°C								
Durability	< 0.2dB typical change for >   500 matings								
Average values					Standards				
Insertion Loss	≤0,2dB				IEC 61300-3-34				
Return Loss	≥60dB				IEC 61300-3-6				

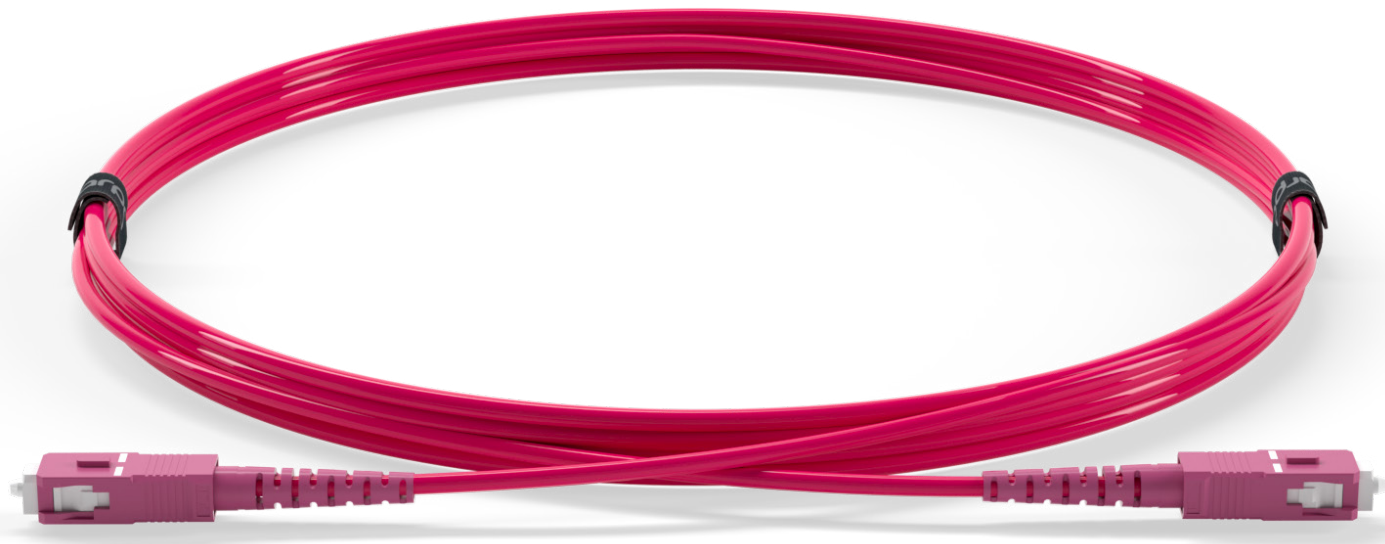
### CABLES SPECIFICATIONS

Type	Zipcord
Categories	OS2 G652D / OS2 G657A2 / OS2 G657B3
Coating	LSZH
CPR Class	Eca / Dca / B2ca
Termination diameter	2mm / 3mm
N° of fibers	2
Length	0,5 – 2000m (Tolerance ± 1%)
Packaging	Standard (Bag)

### CHARACTERISTICS











# PATCH CORD



## Patch cord Multimode Simplex

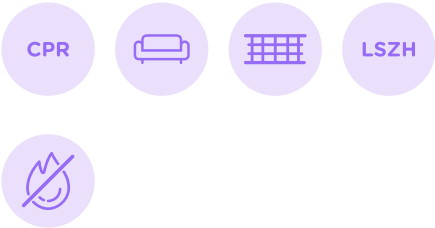
### CONNECTORS SPECIFICATIONS

								
	SC OM2	SC OM3	SC OM4	LC OM2	LC OM3	LC OM4	FC	ST
Standards	IEC 61754-4 TIA 604-3 RoHS			IEC 61754-20 TIA 604-10-A RoHS			IEC 61754-13 TIA-604-4	IEC 61754-2 TIA-604-2
Ferrule Type	Zirconium Ceramic (ZrO <sub>2</sub> )							
Operating Temperature	-20°C to +70°C							
Durability	< 0.2dB typical change for >   500 matings							
			Average values			Standards		
Insertion Loss				≤0,3dB			IEC 61300-3-34	
Return Loss				≥35dB			IEC 61300-3-6	

### CABLES SPECIFICATIONS

Type	Zipcord
Categories	OM2 / OM3 / OM4
Coating	LSZH
CPR Class	Eca / Dca
Termination diameter	2mm / 3mm
N° of fibers	2
Length	0,5 – 1000m (Tolerance ± 1%)
Packaging	Standard (Bag)

### CHARACTERISTICS















# PATCH CORD






## Patch cord Multimode Duplex

### CONNECTORS SPECIFICATIONS

								
	SC OM2	SC OM3	SC OM4	SC OM5	LC OM2	LC OM3	LC OM4	LC OM5
Standards	IEC 61754-4 TIA 604-3 RoHS				IEC 61754-20 TIA 604-10-A RoHS			
								
	FC				ST			
Standards	IEC 61754-13 TIA-604-4				IEC 61754-2 TIA-604-2			

Ferrule Type	Zirconium Ceramic (ZrO <sub>2</sub> )	
Operating Temperature	-20°C to +70°C	
Durability	< 0.2dB typical change for >   500 matings	
	Average values	Standards
Insertion Loss	≤0,3dB	IEC 61300-3-34
Return Loss	≥35dB	IEC 61300-3-6





### CABLES SPECIFICATIONS

Type	Zipcord	<div><div>CPR</div><div></div><div></div><div>LSZH</div></div> <div></div>
Categories	OM2 / OM3 / OM4 / OM5	
Coating	LSZH	
CPR Class	Eca / Dca / B2ca	
Termination diameter	2mm / 3mm	
N° of fibers	2	
Length	0,5 – 1000m (Tolerance ± 1%)	
Packaging	Standard (Bag)	



## Uniboot Singlemode and Multimode

### CONNECTORS SPECIFICATIONS

				
	LC UNIBOOT OS2	LC UNIBOOT OM3	LC UNIBOOT OM4	LC UNIBOOT OM5
Standards	IEC 61754-20 TIA/EIA 604-10 RoHS			
Ferrule Type	Zirconium Ceramic (ZrO <sub>2</sub> )			
Operating Temperature	-20°C to +70°C			
Durability	< 0.2dB typical change for >   500 matings			
	SM		MM	
Insertion Loss	≤0,15dB		≤0,20dB	
Return Loss	≥60dB		≥35dB	

### CABLES SPECIFICATIONS

Type	Zipcord
Categories	OS2 G657A2 / OM3 / OM4 / OM5
Coating	LSZH
Termination diameter	2mm
N° of fibers	2
Length	0,5 – 2000m (Tolerance ± 1%)
Packaging	Standard (Bag)

### CHARACTERISTICS



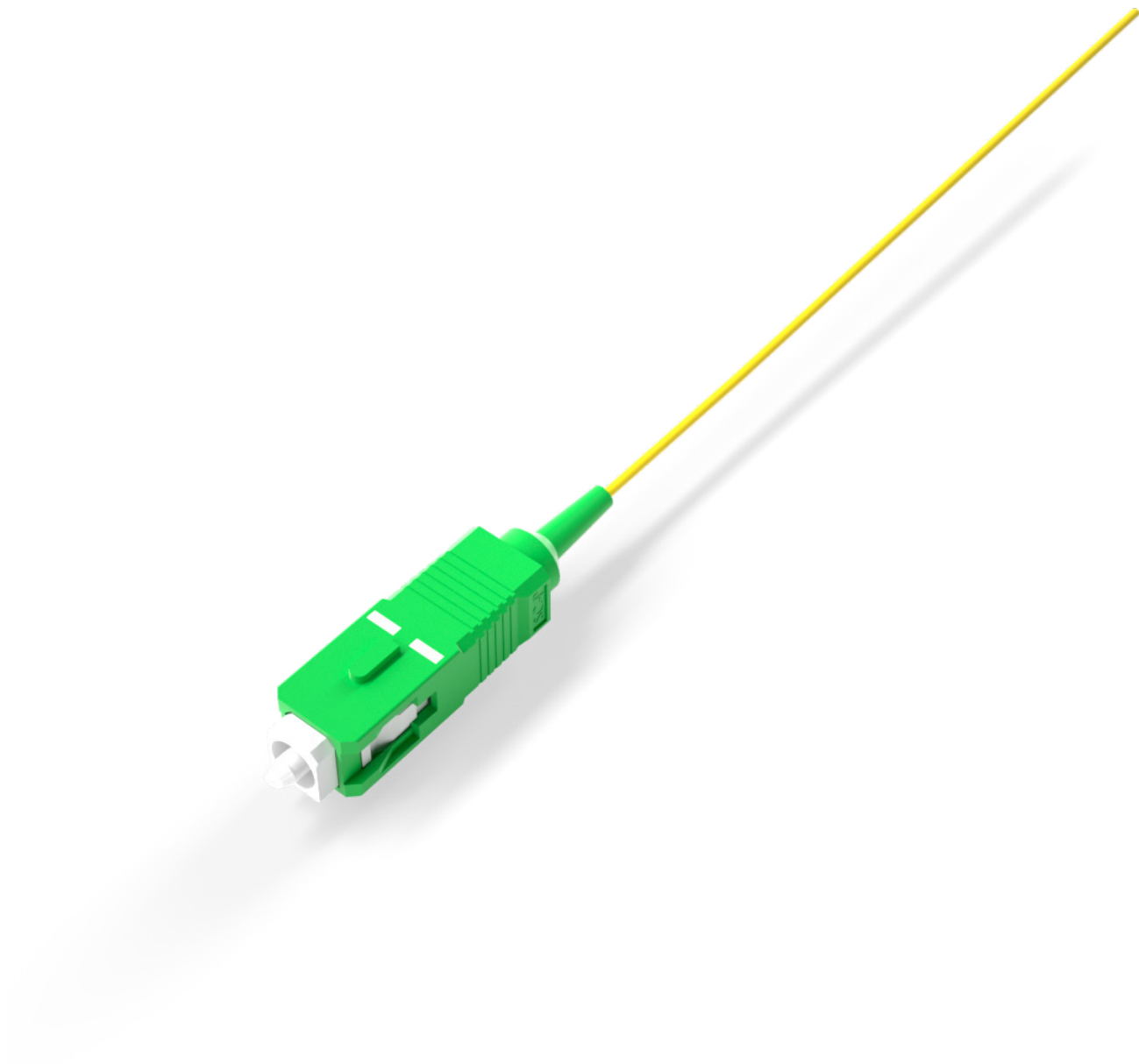


# Higgs Patch Cord Solutions

Everything you need to select when ordering:

CATEGORY	OS2 G652D	OS2 G657A2	OS2 G657B3	OM2	OM3	OM4	OM5			
COATING AND CPR CLASS	Eca	Dca	B2ca							
CABLE DIAMETRE	2,0 mm	3,0 mm								
NUMBER OF FIBERS	1 - Simplex	2 - Duplex Uniboot								
CONETOR A	SC	SC/APC	LC	LC/APC	E2000	E2000/APC	FC	FC/APC	ST	LC Uniboot
CONETOR B	SC	SC/APC	LC	LC/APC	E2000	E2000/APC	FC	FC/APC	ST	LC Uniboot
LENGTH	0,5 – 2000m (Tolerance ± 1%)	0,5 – 2000m (Tolerance ± 1%)								

**For assistance when customizing your cable, please contact our team by sending an email to [info@barpa.eu](mailto:info@barpa.eu)**



## Pigtail Singlemode

### CONNECTORS SPECIFICATIONS

									
	SC	LC	SC/APC	LC/APC	E2000	E2000/APC	FC	FC/APC	ST
Standards	IEC 61754-4 TIA 604-3 RoHS	IEC 61754-20 TIA 604-10-A RoHS	IEC 61754-4 TIA 604-3 RoHS	IEC 61754-20 TIA 604-10-A RoHS	EC 61754-15 TIA-604-10		IEC 61754-13 TIA-604-4		IEC 61754-2 TIA-604-2
Ferrule TypeZirconium Ceramic (ZrO <sub>2</sub> )									
Operating Temperature-20°C to +70°C									
Durability< 0.2dB typical change for >   500 matings									
Average valuesStandards									
Insertion Loss≤0,2dBIEC 61300-3-34									
Return Loss≥60dBIEC 61300-3-6									

### CABLES SPECIFICATIONS

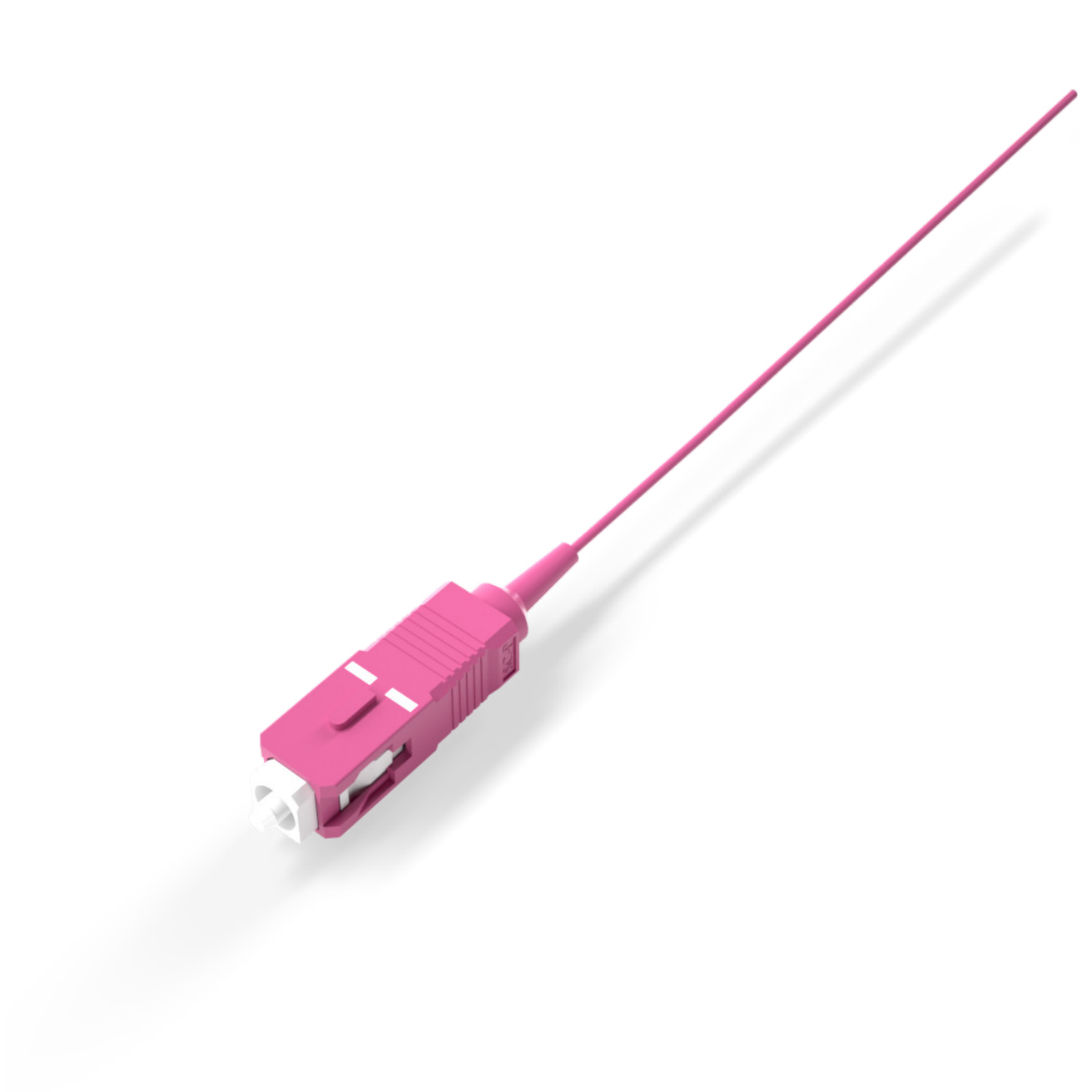
Type	Pigtail for Cable / Zipcord
Categories	OS2 G652D / OS2 G657A2 / OS2 G657B3
Coating	LSZH
CPR Class	Eca / Dca / B2ca
Termination diameter	900µm / 2mm / 3mm
N° of fibers	1 or 2
Length	≥ 0,2m (Tolerance ± 1%)
Packaging	Standard (Bag)

### CHARACTERISTICS





# PIGTAIL



## Pigtail Multimode



### CONNECTORS SPECIFICATIONS

								
	FC				ST			
Standards	IEC 61754-13 TIA-604-4				IEC 61754-2 TIA-604-2			
								
	SC OM2	SC OM3	SC OM4	SC OM5	LC OM2	LC OM3	LC OM4	LC OM5
Standards	IEC 61754-4 TIA 604-3 RoHS				IEC 61754-20 TIA 604-10-A RoHS			

### CONNECTORS SPECIFICATIONS

Ferrule Type	Zirconium Ceramic (ZrO <sub>2</sub> )	
Operating Temperature	-20°C to +70°C	
Durability	< 0.2dB typical change for >   500 matings	
	Average values	Standards
Insertion Loss	≤0,3dB	IEC 61300-3-34
Return Loss	≥35dB	IEC 61300-3-6

### CABLES SPECIFICATIONS

Type	Cable for Pigtail / Zipcord	
Categories	OM2 / OM3 / OM4 / OM5	
Coating	LSZH	
CPR Class	Eca / Dca / Cca / B2ca	
Termination diameter	900µm / 2mm / 3mm	
N° of fibers	1 or 2	
Length	≥ 0,2m (Tolerance ± 1%)	
Packaging	Standard (Bag)	
	<div><div>CPR</div><div></div><div>LSZH</div><div></div></div>	

# Higgs Pigtails Solutions

Everything you need to select when ordering:

CATEGORY	OS2 G652D	OS2 G657A2	OS2 G657B3	OM2	OM3	OM4	OM5		
COATING AND CPR	Eca	Dca	B2ca						
CABLE DIAMETER	900µm	2,0 mm	3,0 mm						
NUMBER OF FIBERS	1 - Simplex	2 - Duplex							
CONETOR A	SC	SC/APC	LC	LC/APC	E2000	E2000/APC	FC	FC/APC	ST
LENGTH	≥= 0,2m (Tolerance ± 1%)								

**For assistance when customizing your cable, please contact our team by sending an email to [info@barpa.eu](mailto:info@barpa.eu)**



# Multifiber Solutions

**HIGGS**  
BY BARPA



## MPO/MTP® Multifiber solutions

The MPO/MTP® cables produced at Higgs are mainly used for high density applications, they are a Plug&Play solution with the ability to combine several fibers in one connector allowing space reduction and better cable management.

The possibility to change polarity and the pins of the connector at any time and anywhere is a feature of our connectors allowing a greater adaptation to your needs.

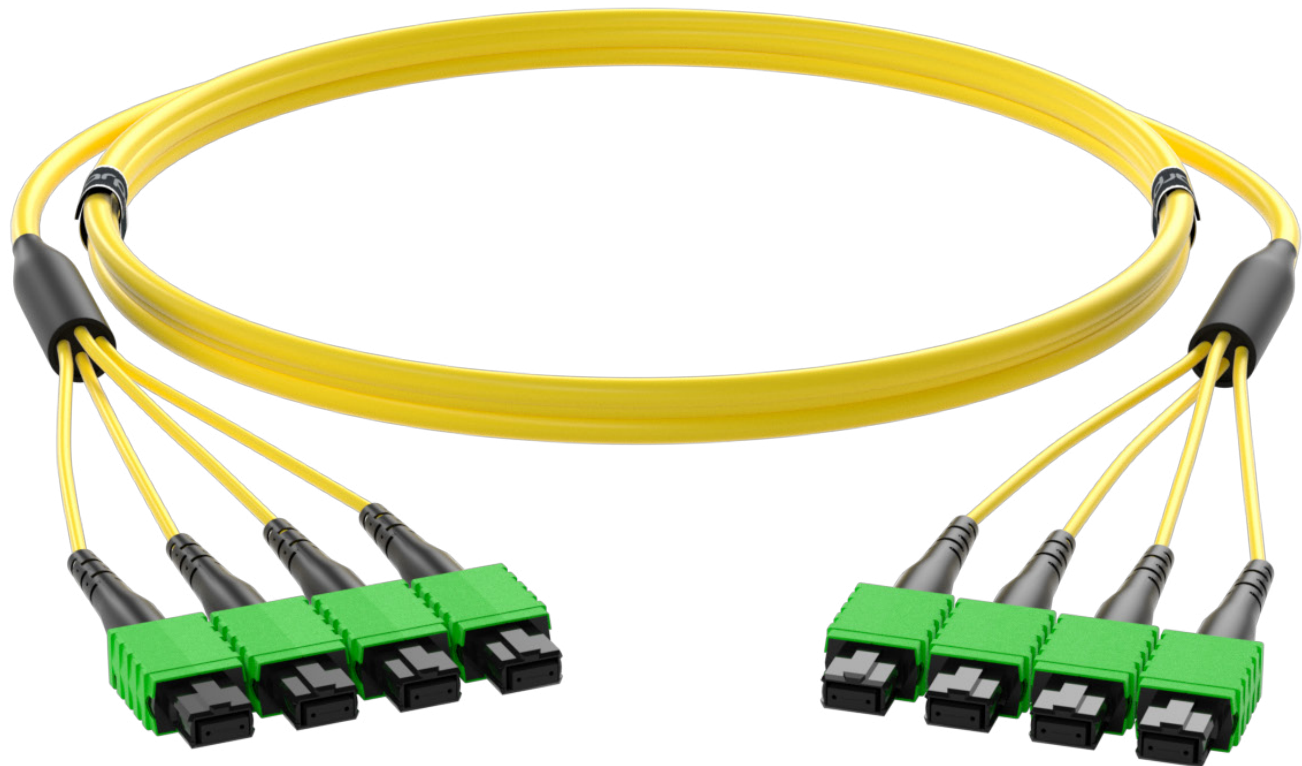
This solution guarantees faster and safer connections, making a practical installation.



Multifiber Solutions







 Click on the solution you wish to explore



## Trunk Cable MPO/MTP® PRO

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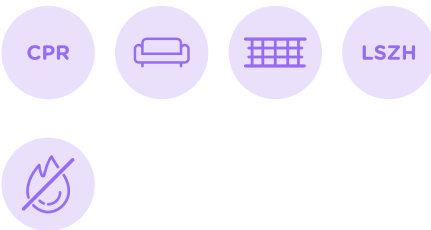
### CONNECTORS SPECIFICATIONS MULTIFIBER

						
MPO/MTP® PRO				MPO/MTP® PRO OM3	MPO/MTP® PRO OM4	MPO/MTP® PRO OM5
Standards				RoHS Reach IEC 61754-5		
Retention of the pins				19,6N Exceed directives IEC		
Ferrule - Material				Polyphenylene Sulfide (PPS)		
Ferrule Type		Single-mode MT Elite®	Multimode MT Elite® Optimized to 10G, 40G, 100G and 400G applications			
Durability				There is no pins degradatong after 200 cycles		
Average values SM		Average values MM		Standards		
Insertion Loss	≤0,25dB		≤0,25dB		IEC 61755-3-31 is defined for up to 12 fibers for SM APC only	
Return Loss	≥60dB		≥25dB		Exceeds IEC 61755-1 Grade B performance	

### CABLES SPECIFICATIONS

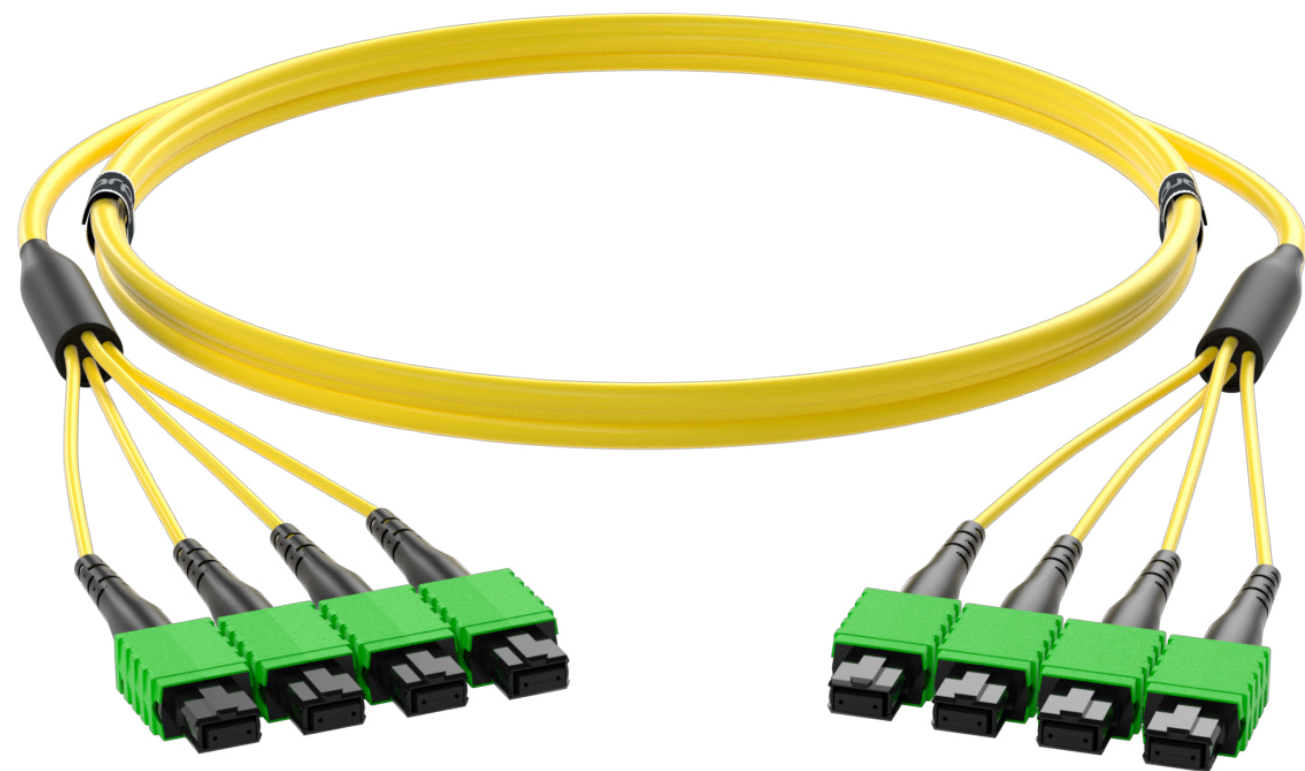
Type	Unitube Cable/Cable for Patch Cord MPO/Trunk Cable
Categories	OS2 G657A2 / OM3 / OM4 / OM5
Coating	LSZH
CPR Class	Eca / Dca / Cca
Termination diameter	2mm / 3mm
N° of fibers	4 / 8 / 12 / 24
Length	≥ 3m to 1000m (Tolerance ± 2%)
Packaging	Standard / Reel

### CHARACTERISTICS



**Observation:** MTP is a trademark from US Conec.



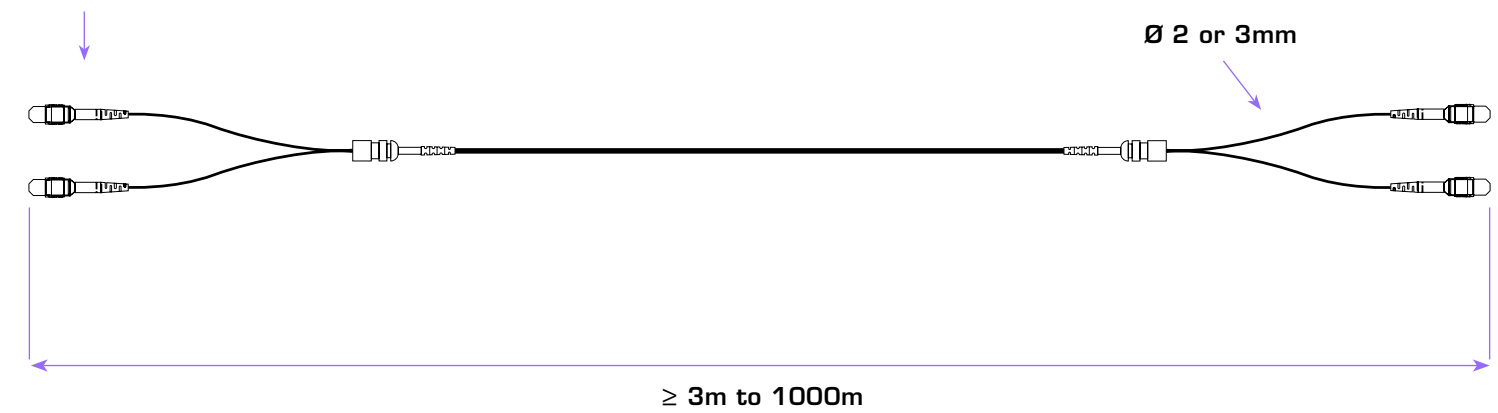


## Trunk Cable MPO/MTP® PRO

2/2

### SQUEME

4/8/12/16/24  
MTP Fibers



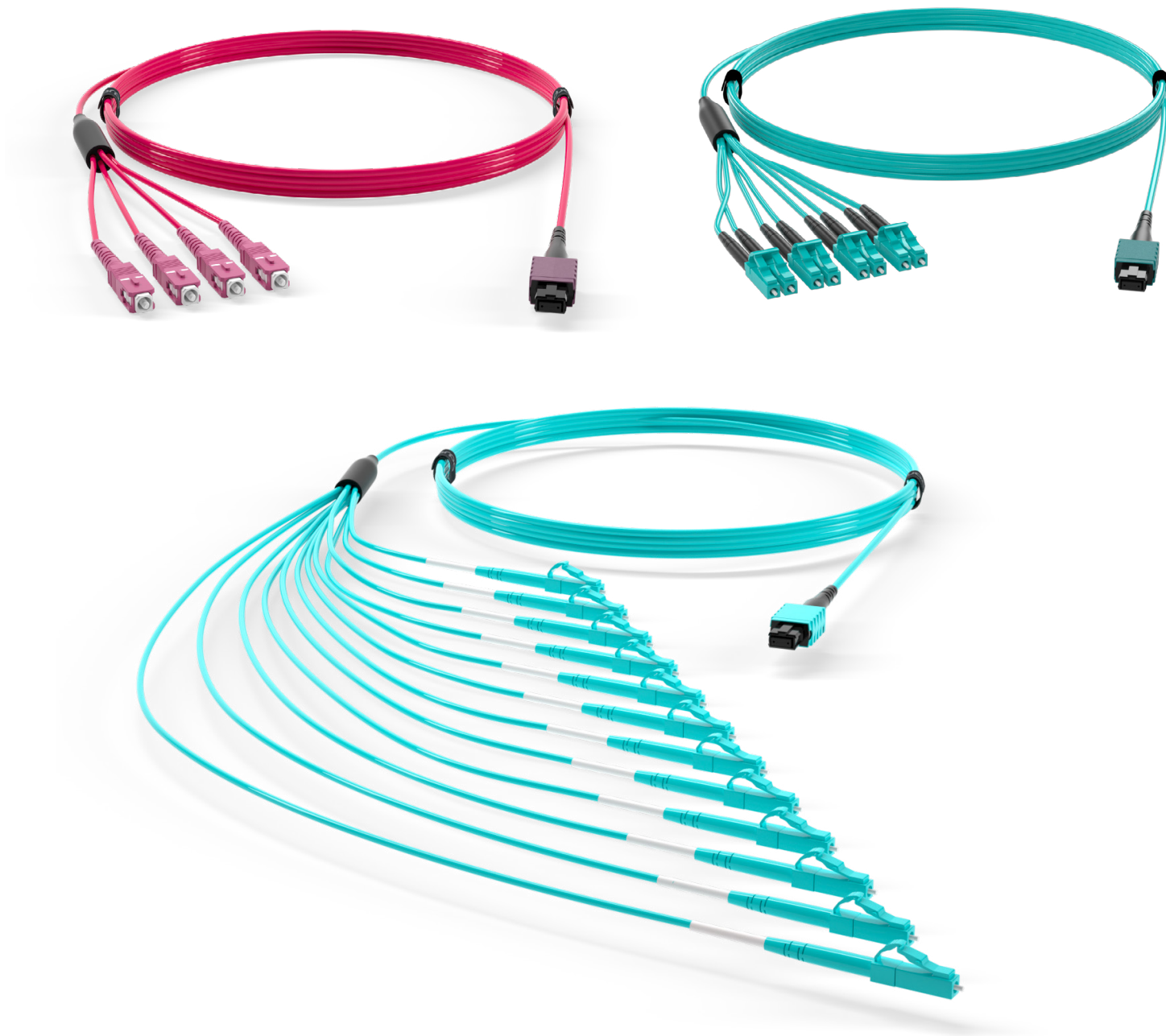
# Multifiber MPO/MTP® PRO Solutions

Everything you need to select when ordering the Trunk Cables MPO/MTP® PRO.

CATEGORY	OS2 G652D	OS2 G657A2	OM3	OM4	OM5
CABLE TYPE	Cable for Patch Cord MPO	Unitube Loose Tube LSZH	MPO Trunk Cable		
FANOUT DIAMETER	2 mm	3 mm			
FANOUT LENGTH	≤1m				
CPR CLASS	Eca	Dca	Cca	B2ca	
NUMBER OF FIBERS	4	8	12	16	24
CONETOR A	MTP® PRO (Male)	MTP® PRO (Female)			
CONETOR B	MTP® PRO (Male)	MTP® PRO (Female)			
TERMINATION	Staggered Connectors	Aligned Connectors			
PACKAGING	Standard	Reel ≥ 150m			
LENGTH	≥ 3m (Tolerance ± 1%)				

**For assistance when customizing your cable, please contact our team by sending an email to [info@barpa.eu](mailto:info@barpa.eu)**

MTP is a trademark from US Conec.







## Breakout Cable











### MPO/MTP® PRO

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## CONNECTORS SPECIFICATIONS MULTIFIBER

				
	<b>MPO/MTP® PRO</b>	<b>MPO/MTP® PRO OM3</b>	<b>MPO/MTP® PRO OM4</b>	<b>MPO/MTP® PRO OM5</b>
<b>Standards</b>	RoHS Reach IEC 61754-5			
<b>Retention of the pins</b>	19,6N Exceed directives IEC			
<b>Ferrule - Material</b>	Polyphenylene Sulfide (PPS)			
<b>Ferrule Type</b>	Single-mode MT Elite®	Multimode MT Elite® Optimized to 10G, 40G, 100G and 400G applications		
<b>Durability</b>	There is no pins degradatong after 200 cycles			

## CONNECTORS SPECIFICATIONS SINGLEFIBER

							
	<b>SC</b>	<b>LC</b>	<b>SC/APC</b>	<b>LC/APC</b>			
<b>Standards</b>	IEC 61754-4 TIA 604-3 RoHS	IEC 61754-20 TIA 604-10-A RoHS	IEC 61754-4 TIA 604-3 RoHS	IEC 61754-20 TIA 604-10-A RoHS			
							
	<b>SC OM3</b>	<b>SC OM4</b>	<b>SC OM5</b>	<b>LC OM3</b>	<b>LC OM4</b>	<b>LC OM5</b>	<b>LC UNIBOOT</b>
<b>Standards</b>		IEC 61754-4 TIA 604-3 RoHS			IEC 61754-20 TIA 604-10-A RoHS		
<b>Ferrule Type</b>	Zirconium Ceramic (ZrO <sub>2</sub> )						
<b>Operating Temperature</b>	-20°C to +70°C						
<b>Durability</b>	< 0.2dB typical change for >   500 matings						





## Breakout Cable MPO/MTP® PRO

2/3

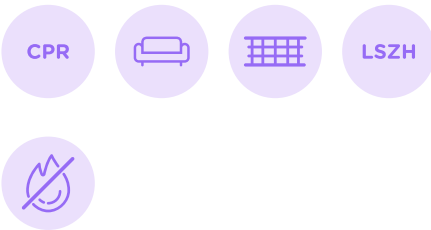
	Average values SM	Average values MM	Standards
Insertion Loss	≤0,25dB	≤0,25dB	IEC 61755-3-31 is defined for up to 12 fibers for SM APC only
Return Loss	≥60dB	≥25dB	Exceeds IEC 61755-1 Grade B performance

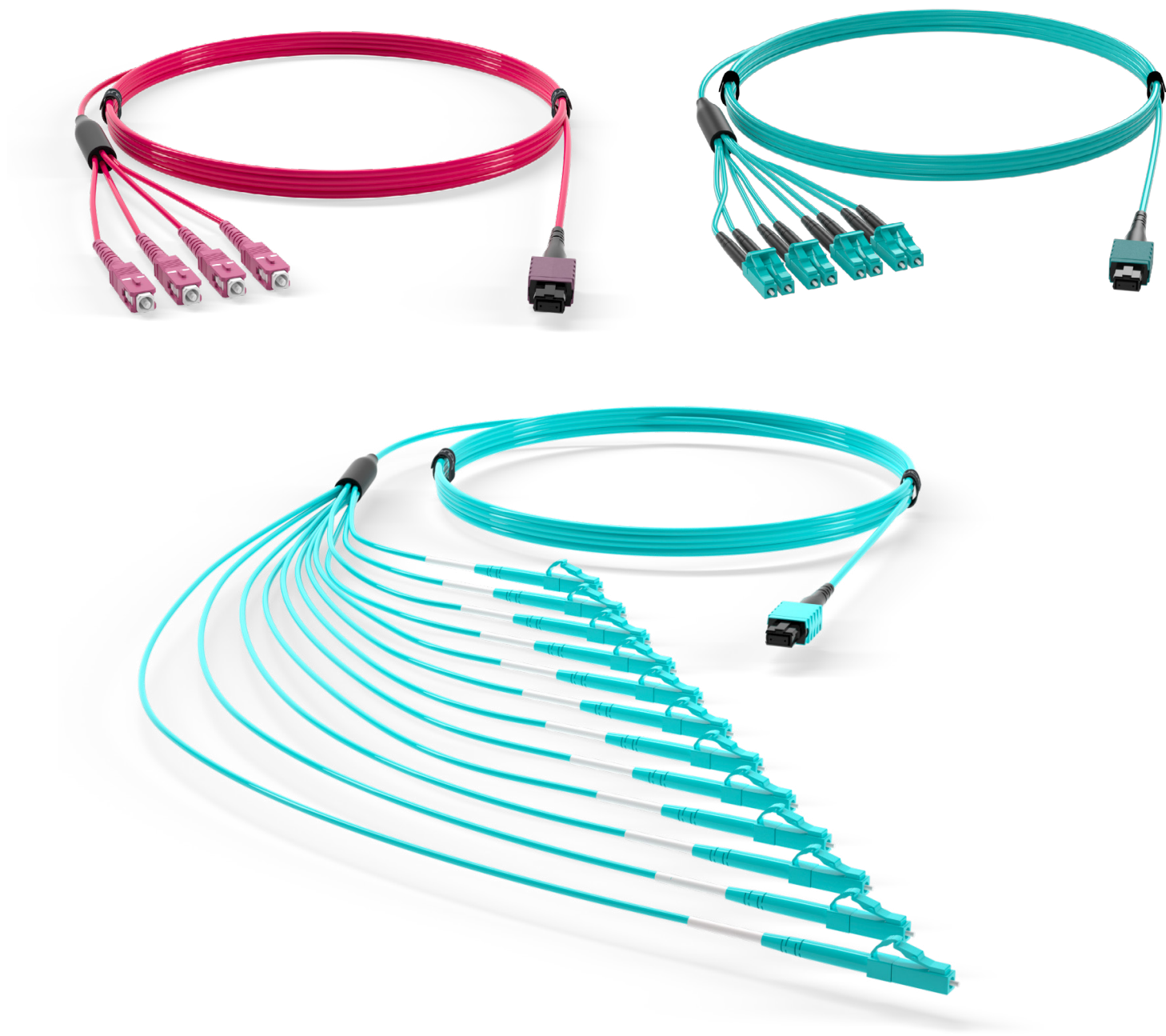
### CABLES SPECIFICATIONS

Type	Unitube Cable/Cable for Patch Cord MPO/Trunk Cable
Categories	OS2 G657A2 / OM3 / OM4 / OM5
Coating	LSZH
CPR Class	Eca / Dca / Cca
Termination diameter	2mm / 3mm
N° of fibers	4 / 8 / 12 / 24
Length	≥ 3m to 1000m (Tolerance ± 2%)
Packaging	Standard / Reel

**Observation:** MTP is a trademark from US Conec.

### CHARACTERISTICS



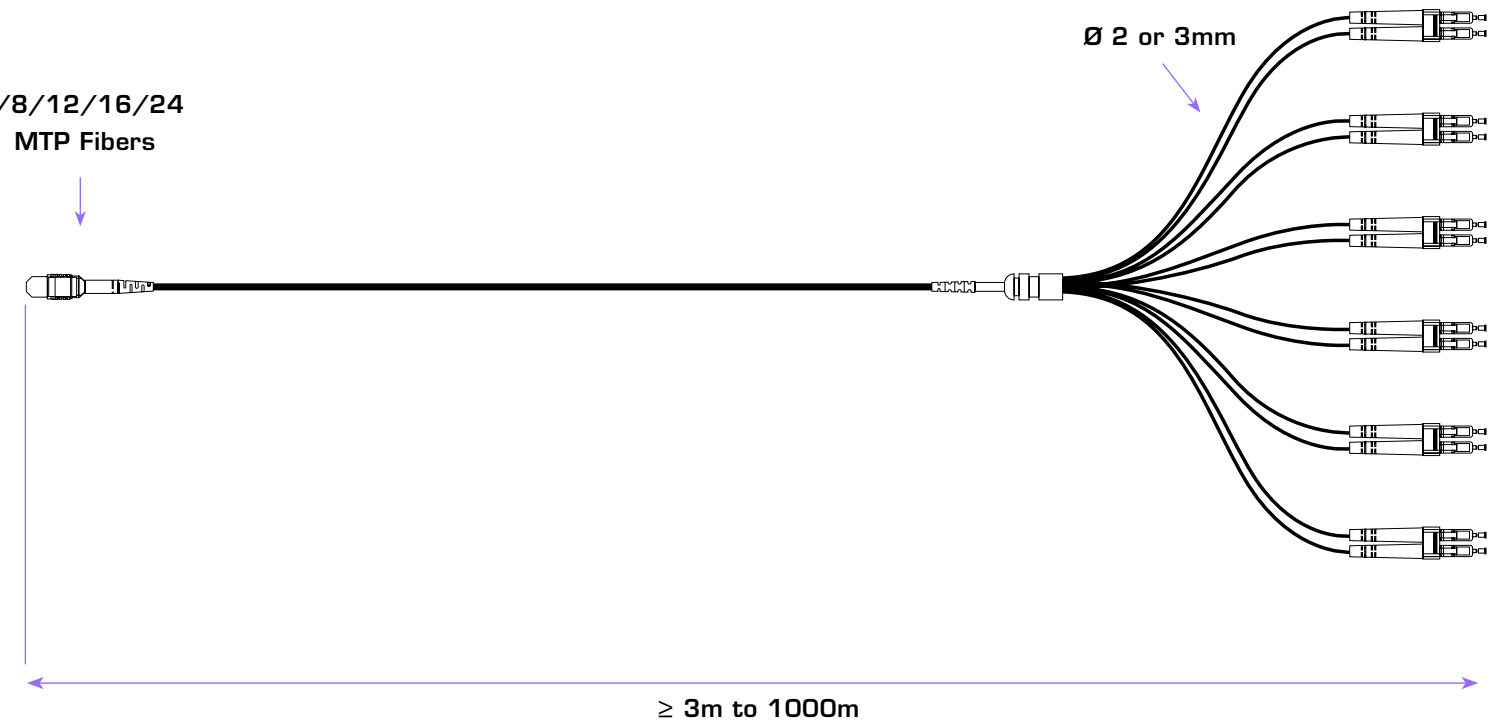


## Breakout Cable MPO/MTP® PRO

3/3

### SQUEME

4/8/12/16/24  
MTP Fibers



# Multifiber MPO/MTP® PRO Solutions

Everything you need to select when ordering the Trunk Cables MPO/MTP® PRO.

CATEGORY	OS2 G652D	OS2 G657A2	OM3	OM4	OM5		
CABLE TYPE	Cable for Patch Cord MPO	Unitube Loose Tube LSZH	MPO Trunk Cable				
FANOUT DIAMETER	2 mm	3 mm					
FANOUT LENGTH	≤1m						
CPR CLASS	Eca	Dca	Cca	B2ca			
NUMBER OF FIBERS	4	8	12	16	24		
CONETOR A	MTP® PRO (Male)	MTP® PRO (Female)					
CONETOR B	SC	SC/APC	LC	LC/APC	LC Uniboot	MTP® PRO (Male)	MTP® PRO (Female)
TERMINATION	Staggered Connectors	Aligned Connectors					
PACKAGING	Standard	Reel ≥ 150m					
LENGTH	≥ 3m (Tolerance ± 1%)						

**For assistance when customizing your cable, please contact our team by sending an email to [info@barpa.eu](mailto:info@barpa.eu)**

MTP is a trademark from US Conec.









## Patch cord MPO/MTP® PRO

1/2

### CONNECTORS SPECIFICATIONS

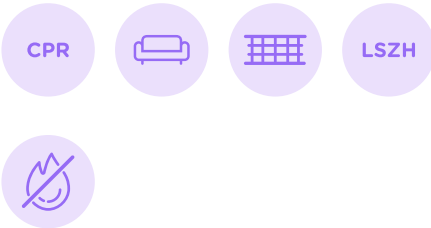
				
	MPO/MTP® PRO	MPO/MTP® PRO OM3	MPO/MTP® PRO OM4	MPO/MTP® PRO OM5
Standards	RoHS Reach IEC 61754-5			
Retention of the pins	19,6N Exceed directives IEC			
Ferrule - Material	Polyphenylene Sulfide (PPS)			
Ferrule Type	Single-mode MT Elite®	Multimode MT Elite® Optimized to 10G, 40G, 100G and 400G applications		
Durability	There is no pins degradatong after 200 cycles			

	Average values SM	Average values MM	Standards
Insertion Loss	≤0,25dB	≤0,25dB	IEC 61755-3-31 is defined for up to 12 fibers for SM APC only
Return Loss	≥60dB	≥25dB	Exceeds IEC 61755-1 Grade B performance

### CABLES SPECIFICATIONS

Type	Cable for Patch Cord MPO
Categories	OS2 G657A2 / OM3 / OM4 / OM5
Coating	LSZH
CPR Class	Cca / B2ca
Termination diameter	2mm / 3mm
N° of fibers	4 / 8 / 12 / 16 / 24
Length	≥ 1m to 2000m (Tolerance ± 1%)
Packaging	Standard (Bag)

### CHARACTERISTICS





## Patch cord MPO/ MTP® PRO

2/2

### SQUEME

4/8/12/16/24  
MTP Fibers

4/8/12/16/24  
MTP Fibers

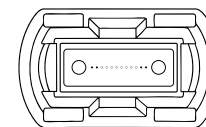
Ø 2 or 3 mm

≥1m - 2000m (Tolerance +-1%)

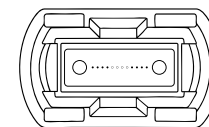
Singlemode

≥1m - 550m (Tolerance +-1%)

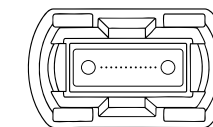
Multimode



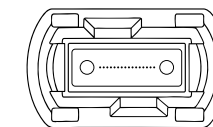
MTP-4



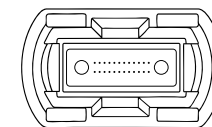
MTP-8



MTP-12



MTP-16



MTP-24

# Multifiber MPO/MTP® PRO Solutions

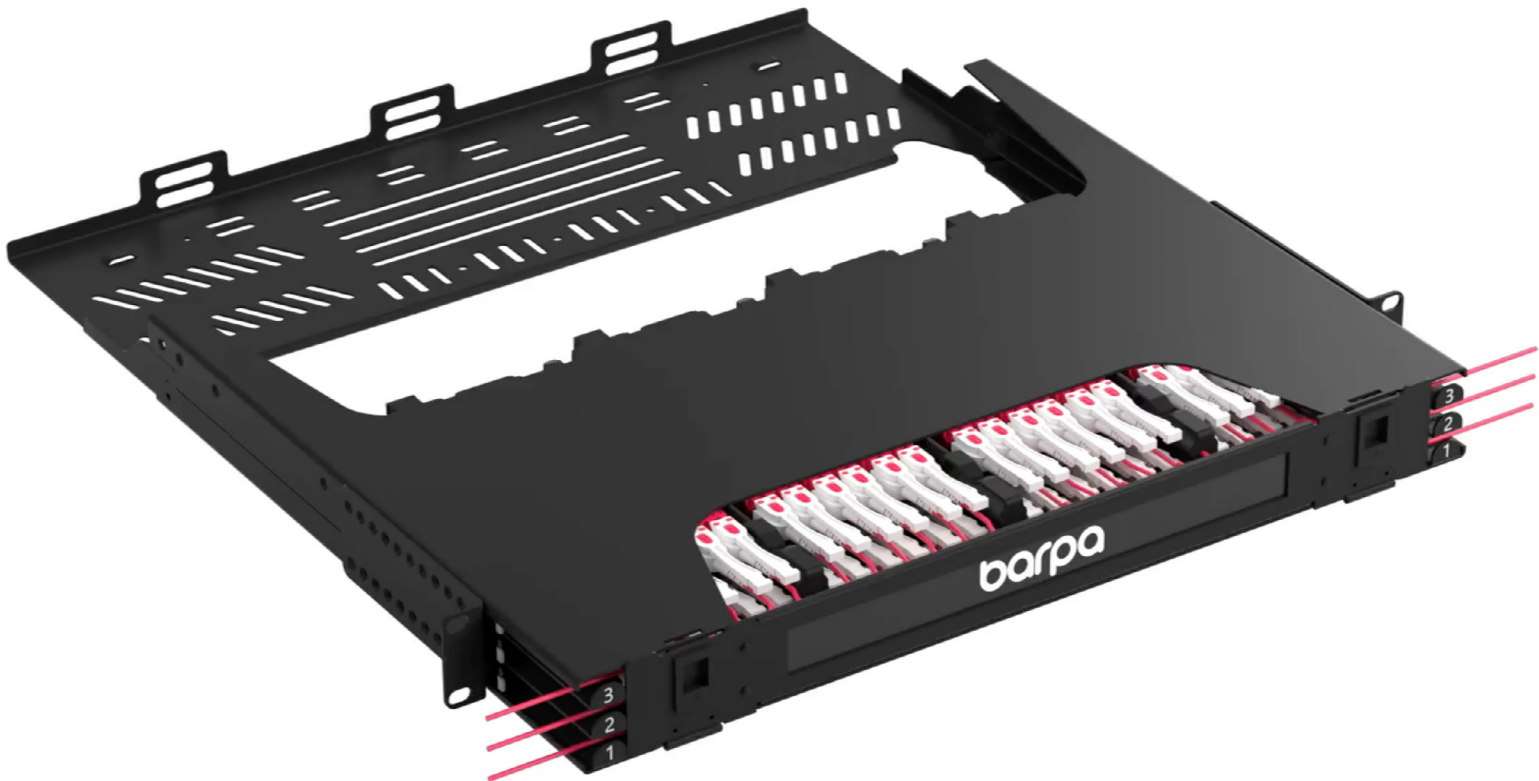
Everything you need to select when ordering the Trunk Cables MPO/MTP® PRO.

CATEGORY	OS2 G657A2	OM3	OM4	OM5	
CPR CLASS	Cca	B2ca			
CABLE DIAMETER	2 mm	3 mm			
NUMBER OF FIBERS	4	8	12	16	24
CONECTOR A	MTP® PRO (Male)	MTP® PRO (Female)			
CONECTOR B	MTP® PRO (Male)	MTP® PRO (Female)			
LENGTH	1 - 2000 meters (Tolerance ± 1%)				
POLARITY	A	B (Standard)	C		

**For assistance when customizing your cable, please contact our team by sending an email to [info@barpa.eu](mailto:info@barpa.eu)**

MTP is a trademark from US Conec.





## Patch Panel

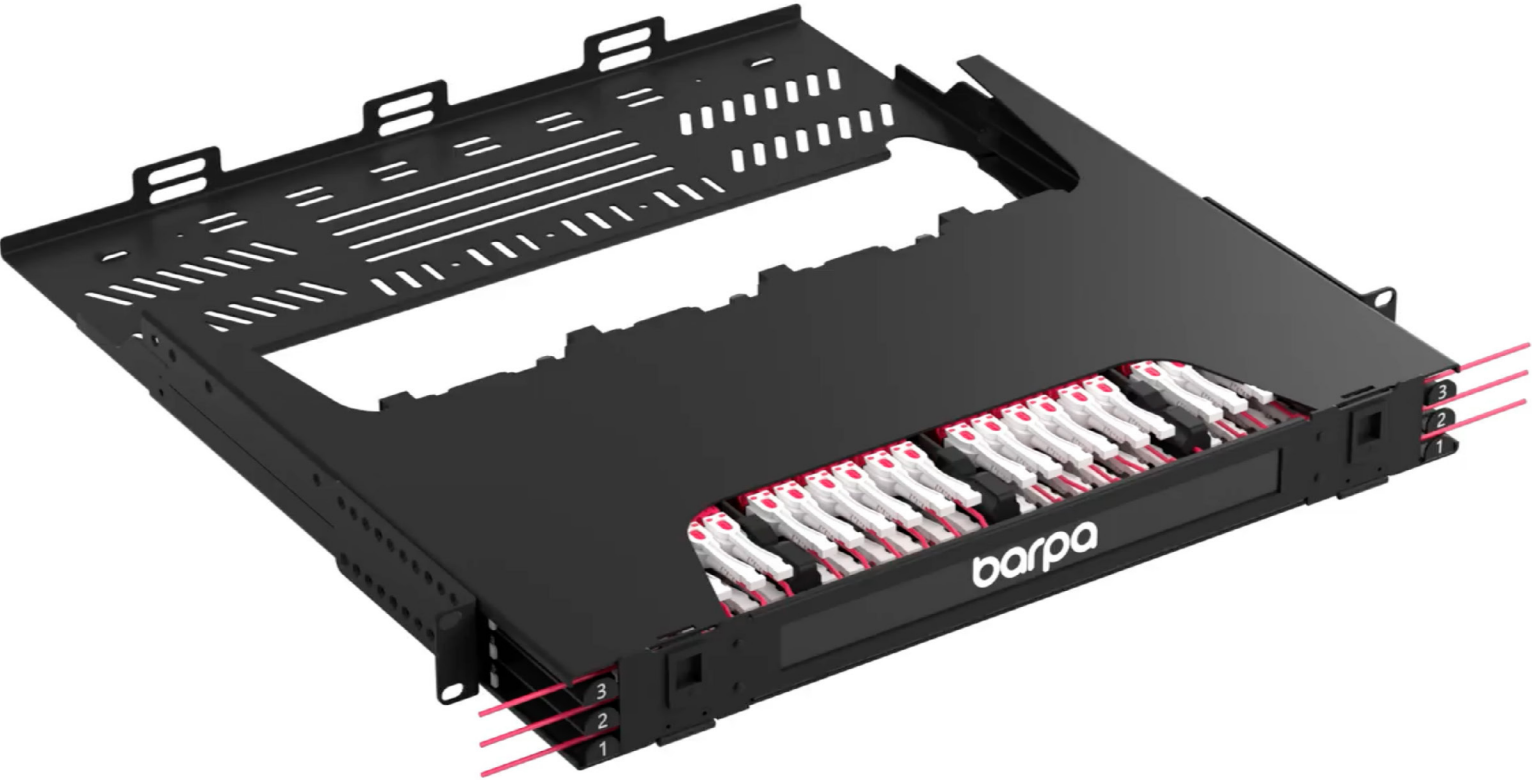
### UHD FO Patch Panel Sagitta

1/2

#### UHD FO PATCH PANEL SAGITTA SPECIFICATIONS

				
	1U	2U	4U	
Standards	Capacity for 144F MPO/MTP®-LC	Capacity for 288F MPO/MTP®-LC	Capacity for 576F MPO/MTP®-LC	
Dimensions	483×350×45mm	483×350×89mm	483×350×178mm	
Weight	5,40 kg	9,08 kg	16,60 kg	
Material	SPCC Cold Rolled Steel 1,2mm			
Operation Temperature	-40°C to +75°C			
Storage Temperature	-40°C to +75°C			
Max N° of Cassettes	8 Fibers	18	36	72
	12 Fibers	12	24	48

**Note:** For connections between panels and active equipment, refer to the previous pages for our pre-assembled cables.



## Patch Panel

2/2

## UHD FO Patch Panel Sagitta

YOU CAN COSTUMIZE THIS PRODUCT. YOU NEED TO CONSIDER:

Choose the patch panel you want



1U



2U



4U

Choose the type of cassettes you want (number of fibers, polarity and fiber category)



Empty




8 Fibers



12 Fibers

EVERYTHING YOU NEED TO SELECT WHEN ORDERING:

TYPE OF CASSETTE	FIBER TRANSITION		POLARITY	CATEGORY			
8 Fibers	MTP®-LC	MTP®-MTP	Type B	OS2	OM3	OM4	OM5
12 Fibers			Type U1				
Empty	Adapters and Pigtails		-				

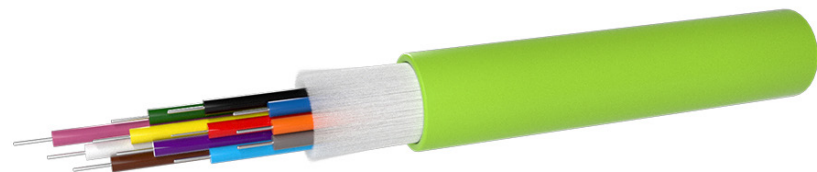


# Fiber Optic Cables and Connectors Solutions

**HIGGS**  
BY BARPA



# Different Types of Fiber Optic Cables



## Tight Buffer

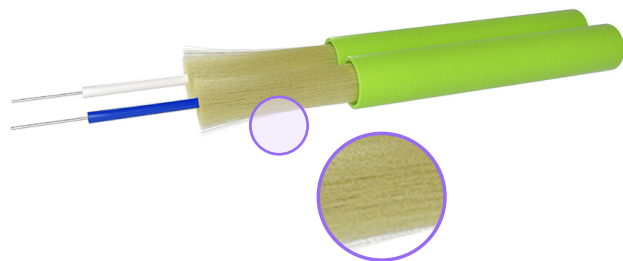
Cables typically used for indoor installation, to install directly in panels. Cable without gel and fibers with 900 μm sheath.



## Loose Tube

Cables typically used to interconnect buildings, indoor/outdoor. Gel-filled tubes. Fibers with 250μm coating.

# Different Types of Cable Protection

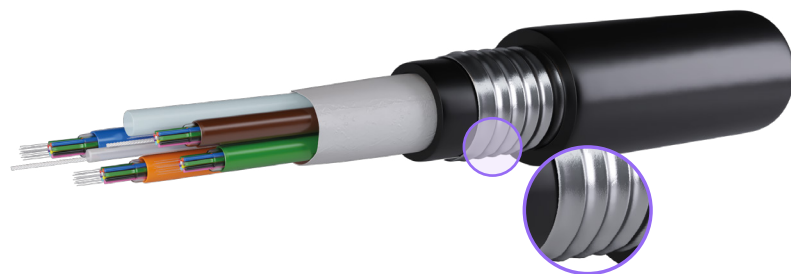


## Aramid Yarns



## Glass Yarns

It gives a anti rodent protection.




## Corrugated Tape

It gives a higher anti rodent protection.

# TIGHT BUFFER

Tight Buffer Cable Solutions

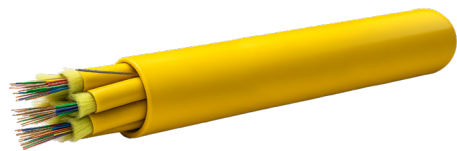
Access all cable information with just one click.

 Click on the cable you wish to explore

# LOOSE TUBE

## Loose Tube Cable Solutions

Access all cable information with just one click.



**Trunk**



Click on the cable you wish to explore



# TYPES OF JACKETS

## Different Types of Jackets of Fiber Optic Cables

OUTER JACKET	CABLE TYPE	OUTER JACKET COLOUR	APPLICATION	CHARACTERISTICS
PE	Loose Tube	Black	Outdoor applications (in conduits, cable tray, underground and aerial)	With UV protection and with a higher hardness.
LSZH	Tight Buffer/ Loose Tube	-	Indoor/outdoor applications	With Low Smoke and flame retardant. With several levels of CPR available.

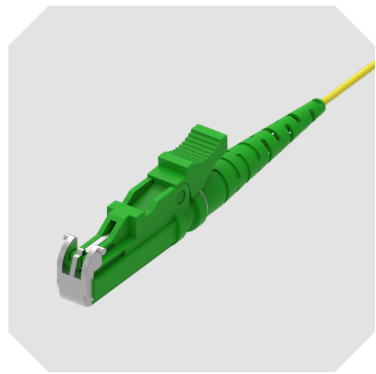
# STANDARDS

## Different ITU standards

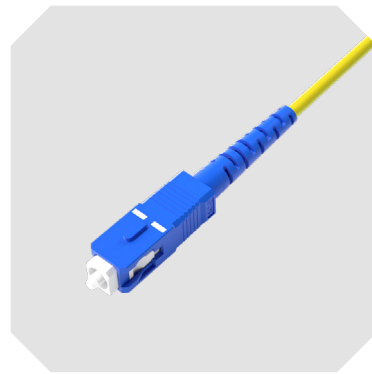
There are several ITU(International Telecommunications Union) standars that define the singlemode fibers that is important to explain:

ITU-T STANDARD	MINIMUM RADIUS OF CURVATURE	APPLICATION
G.652D	30 mm	For all applications, mainly for external plant.
G.657A2	7,5 mm	For cords in general and indoor installations.
G.G657B3	5 mm	For applications in small-length internal access cables that will be subject to user manipulation.

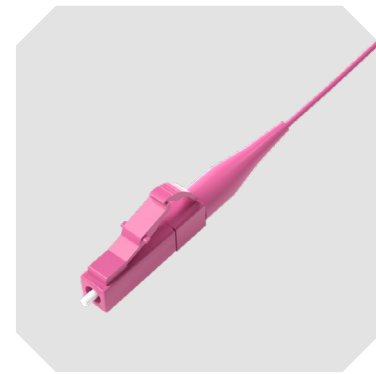
# CONNECTORS



**E2000**  
Ferrule Diameter  
2,5mm



**SC**  
Ferrule Diameter  
2,5mm



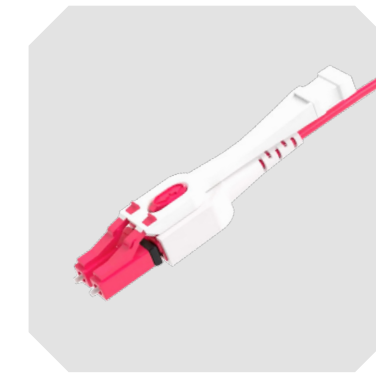
**LC**  
Ferrule Diameter  
1,25mm



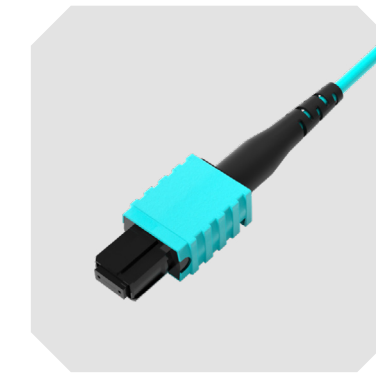
**FC**  
Ferrule Diameter  
2,5mm



**ST**  
Diameter  
2,5mm



**Uniboot**  
Ferrule Diameter  
2,5mm



**MTP/MPO**  
Conetor mostly  
used in High  
Density.  
  
In one Conetor you  
can support upto  
24 fibers.



# FERRULE

The main difference between UPC and APC is the contact surface.

The UPC Connector (Ultra Physical Contact Polishing) shows a contact surface polished without angle with convex format, allowing one good contact between two surfaces.

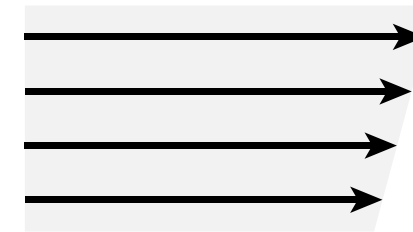
The APC Connector (Angled Physical Contact Polishing) shows one angular contact surface of  $8^\circ$ , which allows a more accurate connection between the two surfaces.

UPC



Ultra Physical Contact Connector

APC



Angled Physical Contact Connector

# CLEANING

The main cause of optic losses are directly associated to the ferrule contamination.

Cleaning is crucial for all the steps of the production process, just like in the installation site.

We advice that in every connections you perform cleaning and previous inspection, with the right materials and tools.







# Pre Terminated Boxes and Patch Panels

**HIGGS**  
BY BARPA



## Pre Terminated Boxes and Patch Panels

Reducing waste and time on site is important for you?

Get to know the barpa pre-assembled Fiber Optic Boxes and Panels for faster, easier installations with better performance.

These solutions are fully configured, labeled and inspected by us in a controlled environment and they are made so that your job is focusing on what really matters.

At barpa we have multiple pre-assembled solutions at your disposal.

Tell us which configuration you want and we'll take care of the rest.





## Pre Terminated Boxes and Patch Panels

 Click on the solution you wish to explore

# BOX AND PANELS



## Box

### FO Wall Distribution for Optical Splitter

The barpa Wall Distribution box for optical splitter is a unit to support the PLC optical splitters. With a metal construction and black powder coating.

Specially designed for barpa's GPON solution. You can order the product alone or customized according to your needs (with optical splitters and adapters).

#### BOX SPECIFICATIONS

Adaptor type	SC simplex
Dimensions (mm)	338 x 196 x 45
Weight (kg)	2,1
Material	Aço
Number of exits	32
Number of entries	2

#### YOU CAN COSTUMIZE THIS PRODUCT. YOU MUST PAY ATTENTION TO:

Choose the Optical Splitter you want	Choose the number of splitters you want
1x16	For 1x16 - Maximum 2 splitters
1x32	For 1x32 - Maximum 1 splitter
Choose the number of optical splitters tou want	



# BOX AND PANELS



## Patch panel Optical Splitter

barpa's Optical Splitter Panel was developed to include PLC splitters.

This panel was specially designed for barpa's GPON solution.

You can order this product alone or customized according to your needs (with optical splitters and adapters).

### PATCH PANEL SPECIFICATIONS

Adaptor type	SC simplex	Splitter type/ maximum number of splitters
Width (mm)	1,5	1 x 2 — Maximum 8
Dimensions (mm)	484 x 44,8 x 207	1 x 4 — Maximum 5
Weight (kg)	2,4	1 x 8 — Maximum 3
Material	Steel	

### YOU CAN COSTUMIZE THIS PRODUCT. YOU MUST PAY ATTENTION TO:

Choose the optical splitter you want	Choose the number of splitters you want
1x2	For 1x2 - Maximum of 8 Splitters
1x4	For 1x4 - Maximum of 5 Splitters
1x8	For 1x8 - Maximum of 3 Splitters
Choose the number of optical splitters tou want	

# BOX AND PANELS



## Patch panel

### Optic Fiber with 24 Outs

The barpa 19" fiber optic distribution panel or splitter is easy and quick to install. Pre-assembled sliding tray, used for terminating fiber optic cables. With depth adjustment, it has a rear cable entry.

#### PATCH PANEL SPECIFICATIONS

Adaptor type	SC simplex or LC duplex / SC duplex or LC quadriplex / ST
Width (mm)	1,5
Dimensions (mm)	482,6 x 240,0 x 44,0
Weight (kg)	2,95
Material	SPCC Steel
Maximum number of fusion cassettes	4
Number of fusion cassettes	12

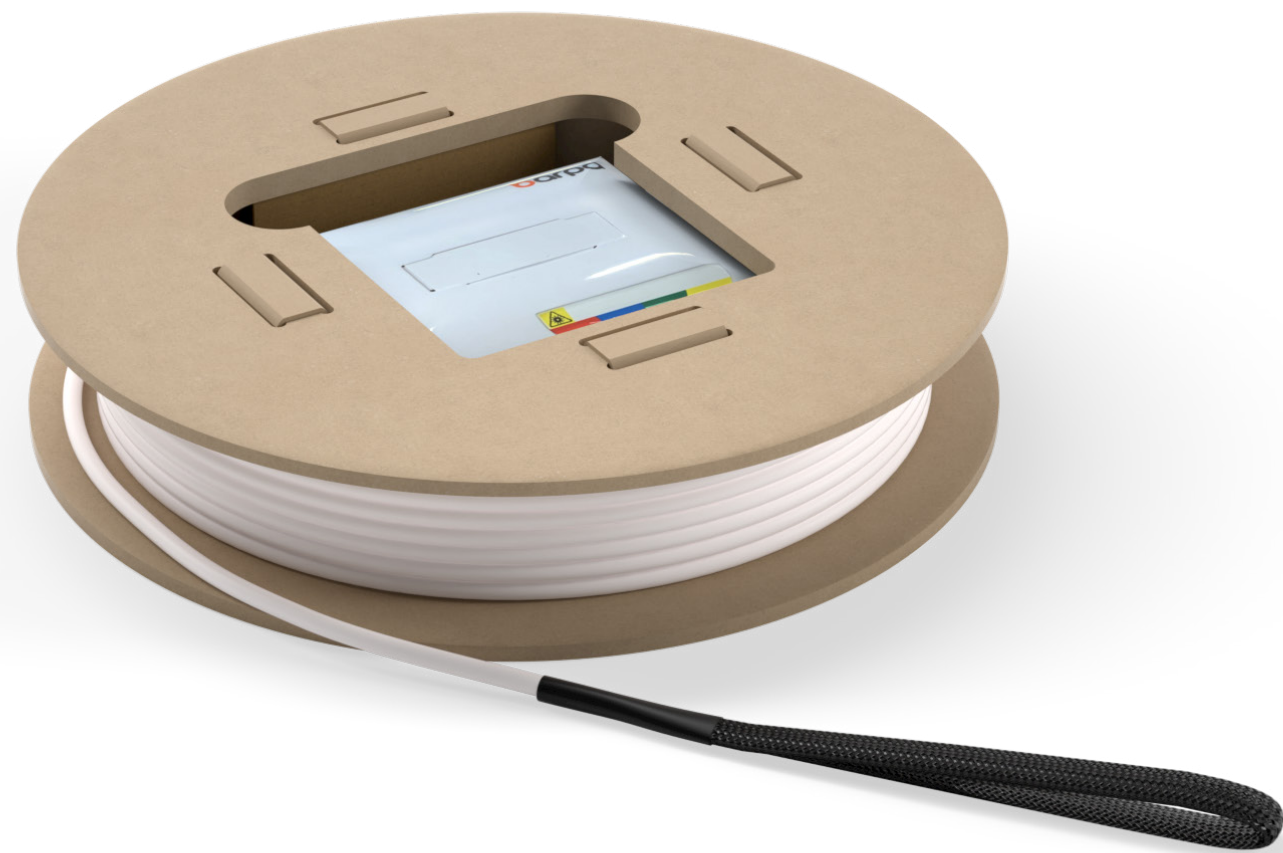
Adaptor type	Number of fibers
Patch panel for 24 SC duplex or 24 LC quadriplex	48 or 96
Patch panel for 24 SC Simplex or 24 LC duplex	24 or 48
Patch Panel for 24 ST	24

#### YOU CAN COSTUMIZE THIS PRODUCT. YOU MUST PAY ATTENTION TO:

Choose the number and type of the adaptors

Choose the type and number of pigtails

# BOX AND PANELS



## Box

1/2

## Lynx Pre-connectorized Termination

Designed for FTTH applications, it consists of 1, 2 or 4 directly connectorized fibers in a box terminated in SC/APC, allowing a quick and safe installation.

This product can be supplied with or without connectors at the end of the cable, and is protected by an IP10 pulling eye for greater protection of the fibers at the time of installation.

### BOX SPECIFICATIONS

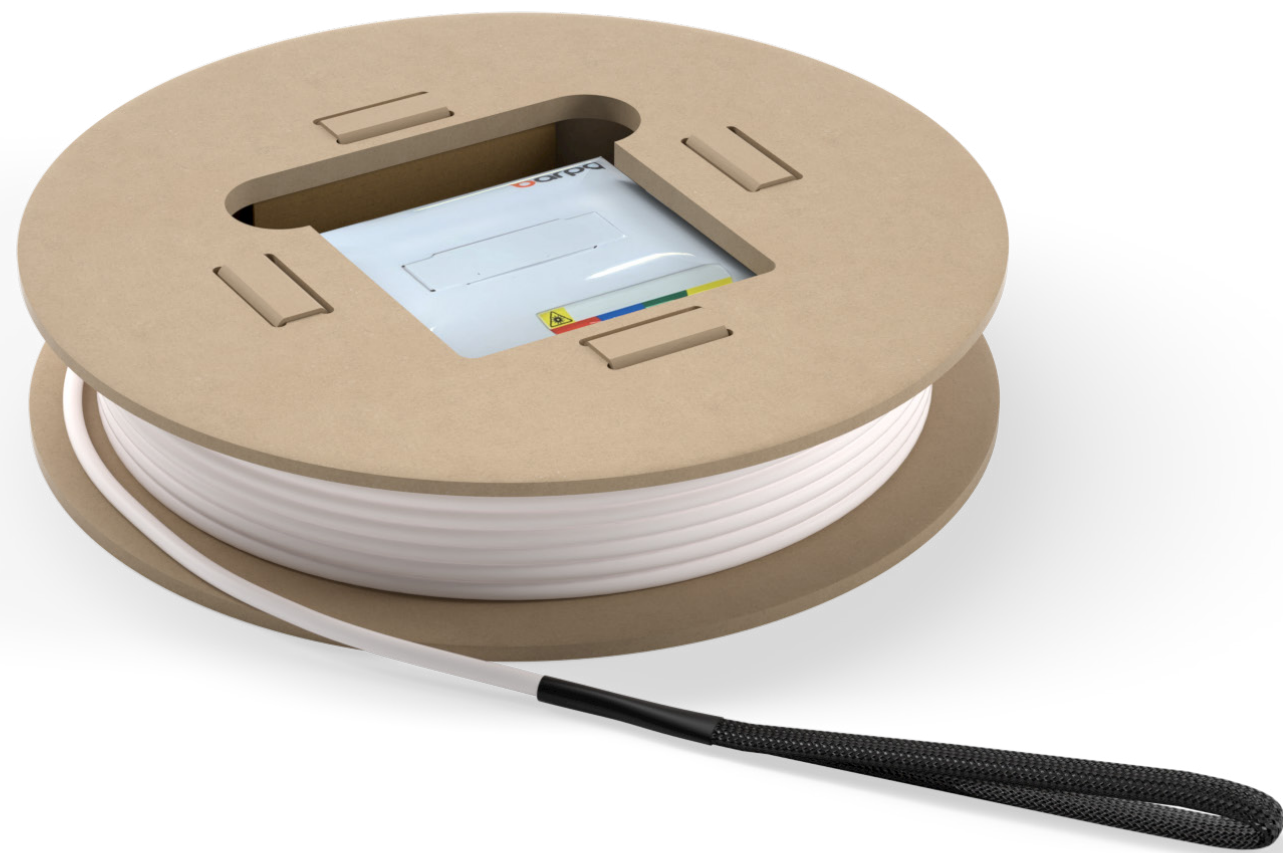
Adaptor type	SC/APC simplex / LC/APC duplex
Number of fibers/adaptors	1 / 2 / 4
Standard Length (m)	20 / 30 / 40 / 50
Drop Cable Category	OS2 G657A2
CPR Class	Dca
Coating	LSZH

### CHARACTERISTICS

- It can be mounted on a DIN rail in two positions and also allows wall mounting;
- Includes IP10 pulling eye at one end;
- Has color identifiers;
- Adapters come with safety caps;
- Contains an identification label;
- Features multiple cable entries;
- Includes Pivot Cassette.



# BOX AND PANELS



## Box

2/2

## Lynx Pre-connectorized Termination

### EXTRAS

- Possibility for the connectorized tips to be staggered;
- All cables are subject to a visual and geometric inspection, if you wish, you can request these results together with your order.

### DETAILS

- Tailor made – Made-to-measure products;
- Traceability system for quality purposes incorporated in the QR code on the cable identification label;
- All cables come with a report of insertion losses, IL, and return losses, RL.

### STANDARDS

- All connections made comply with IEC and Telcordia standards. Design, production and distribution made according to the ISO9001:2015 quality management system;
- IEC 61300;
- IEC 61755;
- IEC 61754;
- IEC 61753
- ISO/IEC11801;
- Telcordia GR-326;
- TIA-568.3-D.



# Pre-Terminated Copper Solutions

**HIGGS**  
BY BARPA



## Why Choose Pre-Terminated Copper Solutions?

### **Agility & Quality Assurance**

- Faster delivery times supported by local production.
- Quick response to urgent needs and production flexibility.

### **Fully Customisable Solutions**

- You define your specifications — we design, produce, and deliver.
- Choose connector types, custom lengths, and cable identification.
- Solutions adapted to meet your project needs.
- 100% tested (Channel, MPTL, Permanent Link) to ensure performance and reliability.

### **Total Traceability & Identification**

- Each cable is uniquely labelled for full traceability, fast identification, and simplified maintenance.

### **Efficient and Clean Installation**

- Plug & Play assembly eliminates on-site termination and testing, reducing labour costs during installation.
- Enhances overall structure and aesthetics inside cabinets.
- Ideal for structured environments like data centers, hospitals, and commercial buildings.



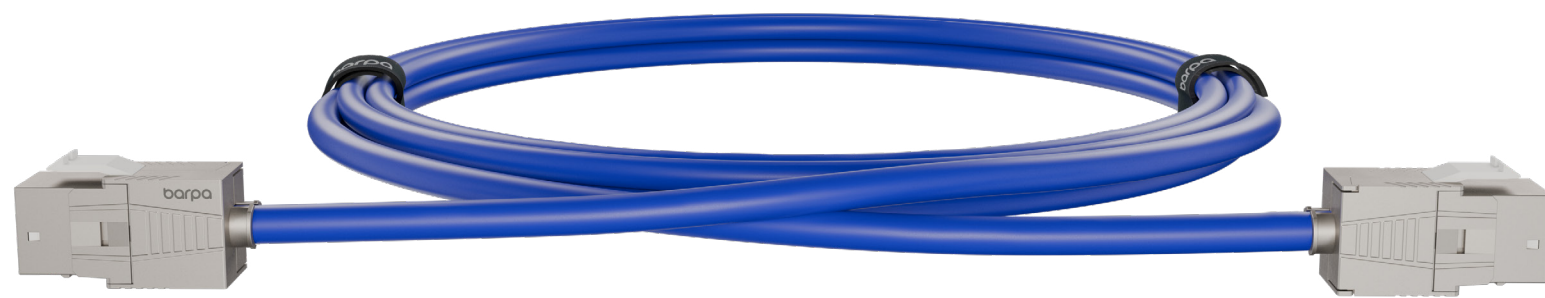


Pre-Terminated Copper Solutions



Click on the solution you wish to explore

# PRE-TERMINATED



## Patch Cables

### Keystone Jack + Keystone Jack

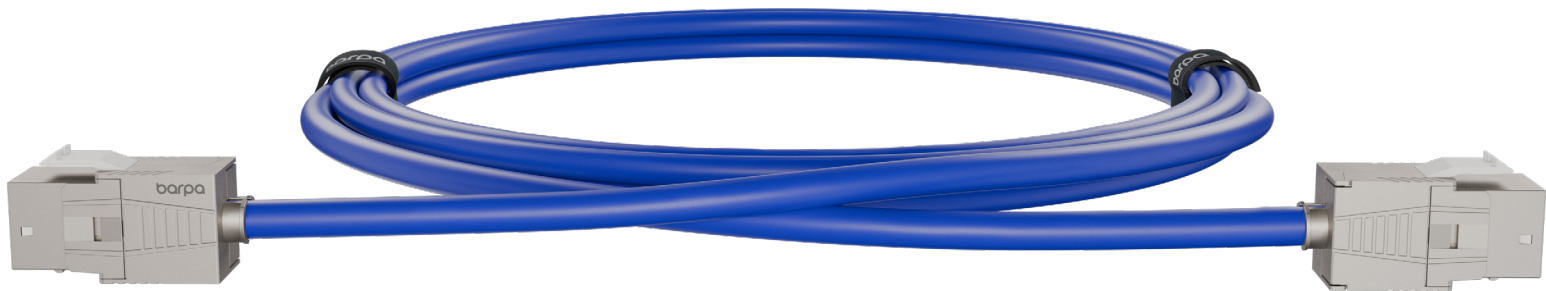
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1/2

This pre-terminated solution is designed for permanent structured cabling links, featuring Keystone Jacks on both ends.

Ideal for integration with patch panels and telecommunication outlets.

It enables rapid deployment, minimizes on-site termination time, and ensures greater consistency in installation quality.










## Patch Cables






2/2

## Keystone Jack + Keystone Jack

### CABLE SPECIFICATIONS

Shielded						
	Cat. 8.1 S/FTP	Cat. 7A S/FTP*	Cat. 7 S/FTP*	Cat. 6A S/FTP	Cat. 6A U/FTP	Cat. 6 U/FTP
CPR	B2ca	Cca	Cca	Cca B2ca	Cca Dca	Dca
Unshielded						
	Cat. 6A U/UTP Extreme				Cat. 6 U/UTP	
CPR	B2ca				Cca Dca	

### CONNECTOR SPECIFICATIONS

Shielded Keystone Jack			
	Cat. 8 STP	Cat. 6A STP	Cat. 6 STP
Unshielded Keystone Jack			
	Cat. 6A UTP	Cat. 6 UTP	

### ADDITIONAL INFORMATION

**Available lengths** From 2m up to custom lengths; performance guaranteed up to 90m, in accordance EN 50173, ISO/IEC 11801-1 and ANSI/TIA-568.2-D.

Each cable is uniquely labeled with a QR Code for full traceability

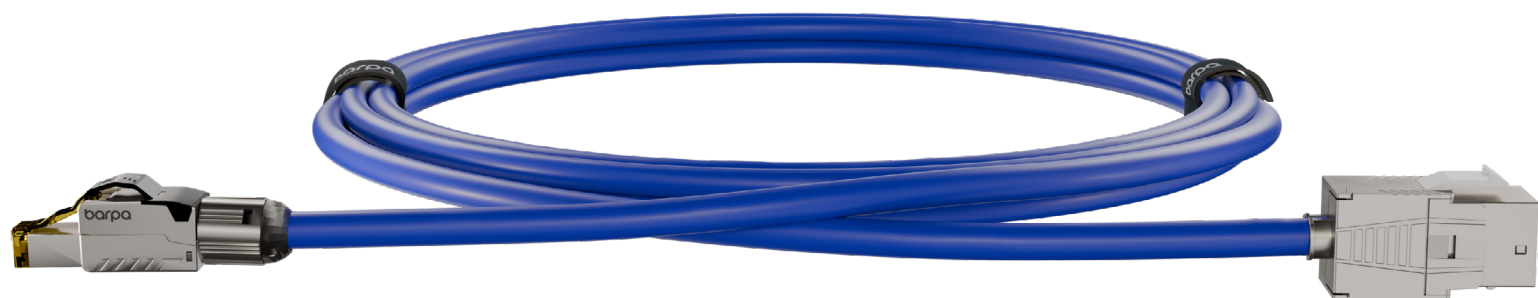
Supplied with Fluke Test Report to ensure quality and performance

[For assistance customizing your solution, please contact our team at info@barpa.eu](mailto:info@barpa.eu)

\*Cat. 7/7A cables tested to Cat. 6A performance standards (ISO/IEC 11801/EN 50173).



# PRE-TERMINATED



## Patch Cables

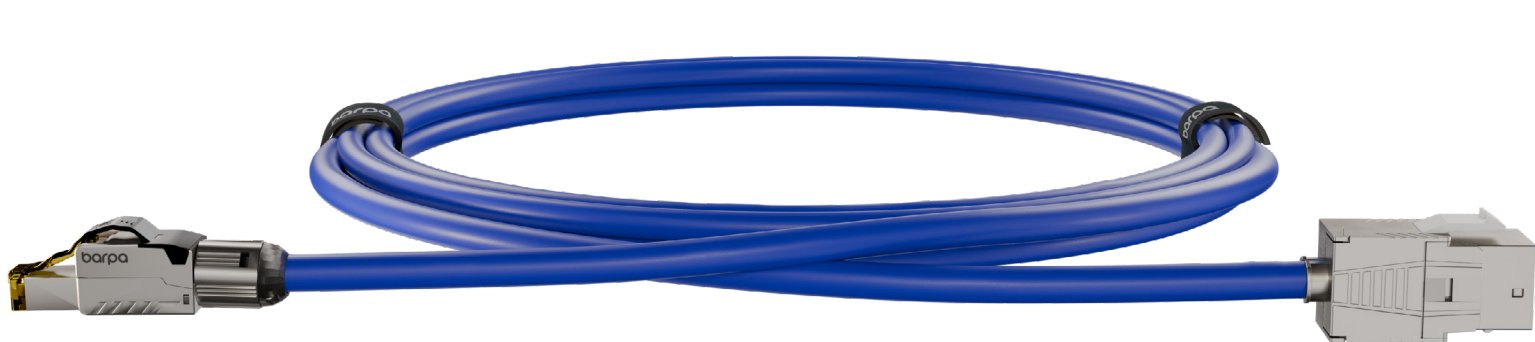
### Keystone Jack + Field Plug

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1/2

This pre-terminated solution is designed for direct-to-equipment structured cabling links, featuring a Keystone Jack on one end and a Field Plug on the other.

Ideal for MPTL (Modular Plug Terminated Link) topologies, it simplifies installation, reduces costs, and ensures reliable connectivity, especially for hard-to-reach devices such as access points, cameras, sensors, and PoE-enabled equipment.








## Patch Cables






2/2

## Keystone Jack + Field Plug

### CABLE SPECIFICATIONS

Shielded					
	Cat. 8.1 S/FTP	Cat. 7A S/FTP*	Cat. 7 S/FTP*	Cat. 6A S/FTP	Cat. 6A U/FTP
CPR	B2ca	Cca	Cca	Cca B2ca	Cca Dca

### CONNECTOR SPECIFICATIONS

Shielded Keystone Jack			
	Cat. 8 STP	Cat. 6A STP	Cat. 6 STP
Shielded Field Plug			
	Cat. 8.1 STP	Cat. 6A STP	

### ADDITIONAL INFORMATION

**Available lengths** From 2 m up to custom lengths; performance guaranteed up to 90 m, in accordance with EN 50173, ISO/IEC 11801-1 and ANSI/TIA-568.2-D.

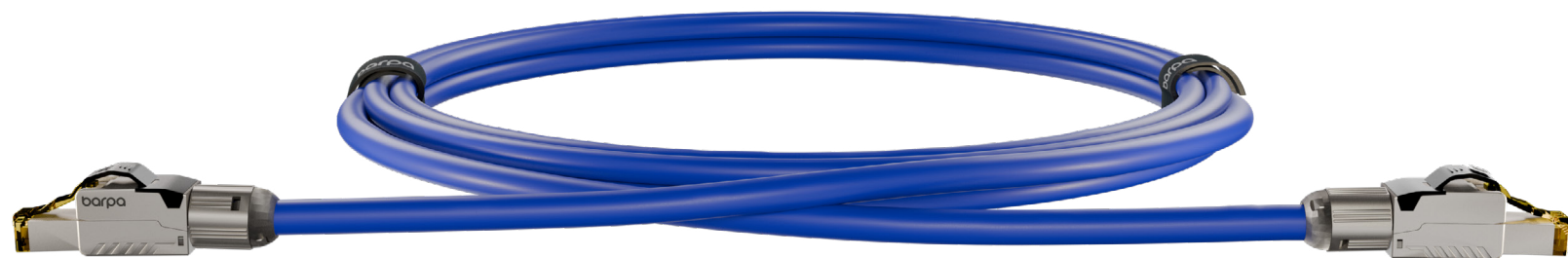
Each cable is uniquely labeled with a QR Code for full traceability

Supplied with Fluke Test Report to ensure quality and performance

[For assistance customizing your solution, please contact our team at info@barpa.eu](mailto:info@barpa.eu)

\*Cat. 7/7A cables tested to Cat. 6A performance standards (ISO/IEC 11801/EN 50173).

# PRE-TERMINATED



## Patch Cables

Field Plug + Field Plug

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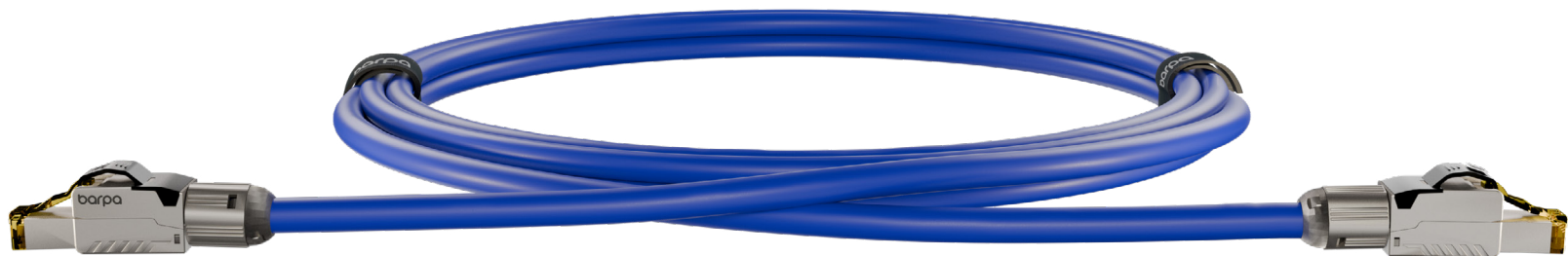
1/2

This pre-terminated solution is designed for point-to-point equipment connections, featuring Field Plugs on both ends to enable direct device interconnection.

It is particularly suitable for high-performance LAN environments where flexibility and durability are essential.



# PRE-TERMINATED








## Patch Cables

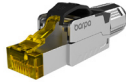

### Field Plug + Field Plug

2/2

#### CABLE SPECIFICATIONS

Shielded					
	Cat. 8.1 S/FTP	Cat. 7A S/FTP*	Cat. 7 S/FTP*	Cat. 6A S/FTP	Cat. 6A U/FTP
CPR	B2ca	Cca	Cca	Cca B2ca	Cca Dca

#### CONNECTOR SPECIFICATIONS

Shielded Field Plug		
	Cat. 8.1 STP	Cat. 6A STP

#### ADDITIONAL INFORMATION

**Available lengths** From 2 m up to custom lengths; performance guaranteed up to 90 m, in accordance with EN 50173, ISO/IEC 11801-1 and ANSI/TIA-568.2-D.

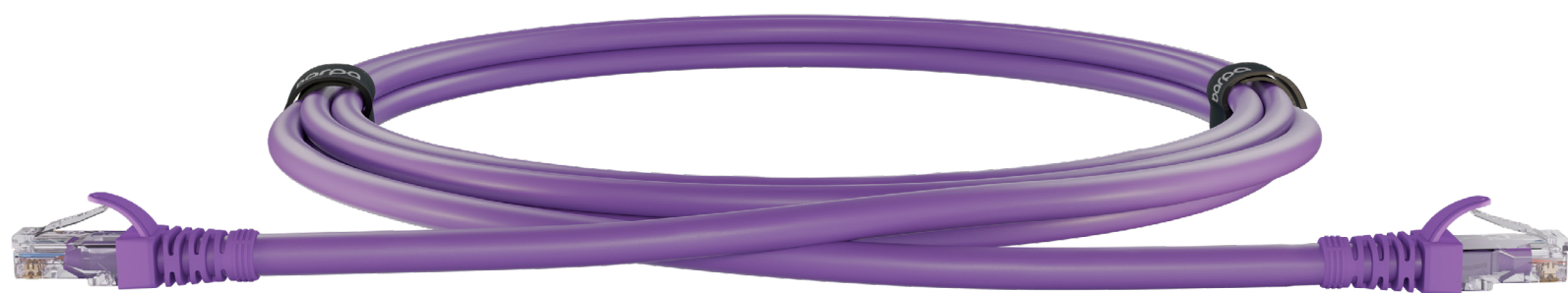
Each cable is uniquely labeled with a QR Code for full traceability

Supplied with Fluke Test Report to ensure quality and performance

[For assistance customizing your solution, please contact our team at info@barpa.eu](mailto:info@barpa.eu)

\*Cat. 7/7A cables tested to Cat. 6A performance standards (ISO/IEC 11801/EN 50173).

# PRE-TERMINATED



## Patch Cables

### Modular Plug + Modular Plug

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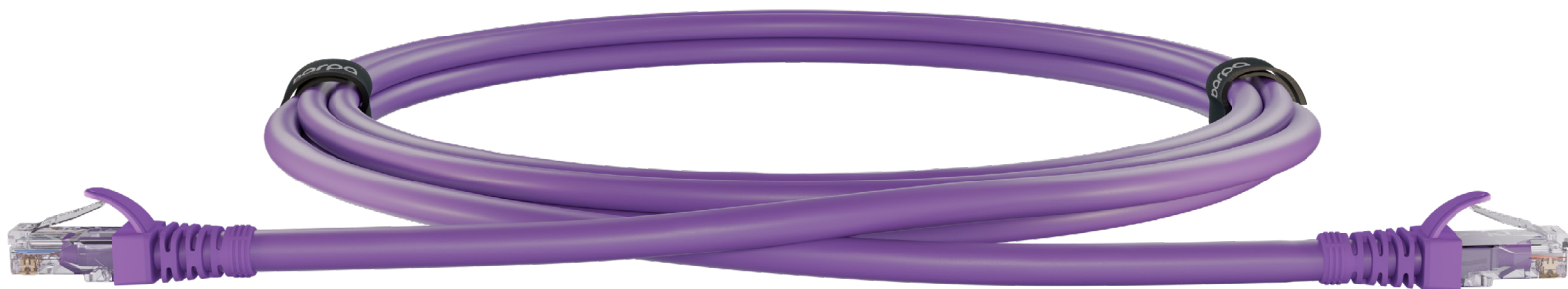
1/2

This pre-terminated copper patch cable is designed for standard device-to-device connections, featuring RJ45 Modular Plugs on both ends.

It is ideal for LAN patching, switch-to-switch links, and horizontal cabling segments.

Each cable is manufactured and tested to guarantee consistent quality and full compliance with channel requirements.

# PRE-TERMINATED







## Patch Cables





2/2

## Modular Plug + Modular Plug

### CABLE SPECIFICATIONS

Shielded									
	Cat. 6A S/FTP			Cat. 6A U/FTP			Cat. 6 U/FTP		
CPR	Cca B2ca			Cca Dca			Dca		
Unshielded									
	Cat. 6A U/UTP Extreme						Cat. 6 U/UTP		
CPR	B2ca						Cca Dca		

### CONNECTOR SPECIFICATIONS

Modular Plug						
	Cat. 6A STP			Cat. 6A UTP		
Modular Plug Cable Boot						
	STP			UTP		

**Note:** You can customize the boot color: Grey, Black, White, Purple, Orange, Green, Red, Yellow and Blue.

### ADDITIONAL INFORMATION

**Available lengths** from 2 m up to custom lengths; performance guaranteed up to 90 m, in accordance with EN 50173, ISO/IEC 11801-1 and ANSI/TIA-568.2-D.

Each cable is uniquely labeled with a QR Code for full traceability

Supplied with Fluke Test Report to ensure quality and performance

For assistance customizing your solution, please contact our team at [info@barpa.eu](mailto:info@barpa.eu)



# PRE-TERMINATED



## Trunk Cables

Keystone Jack + Keystone Jack

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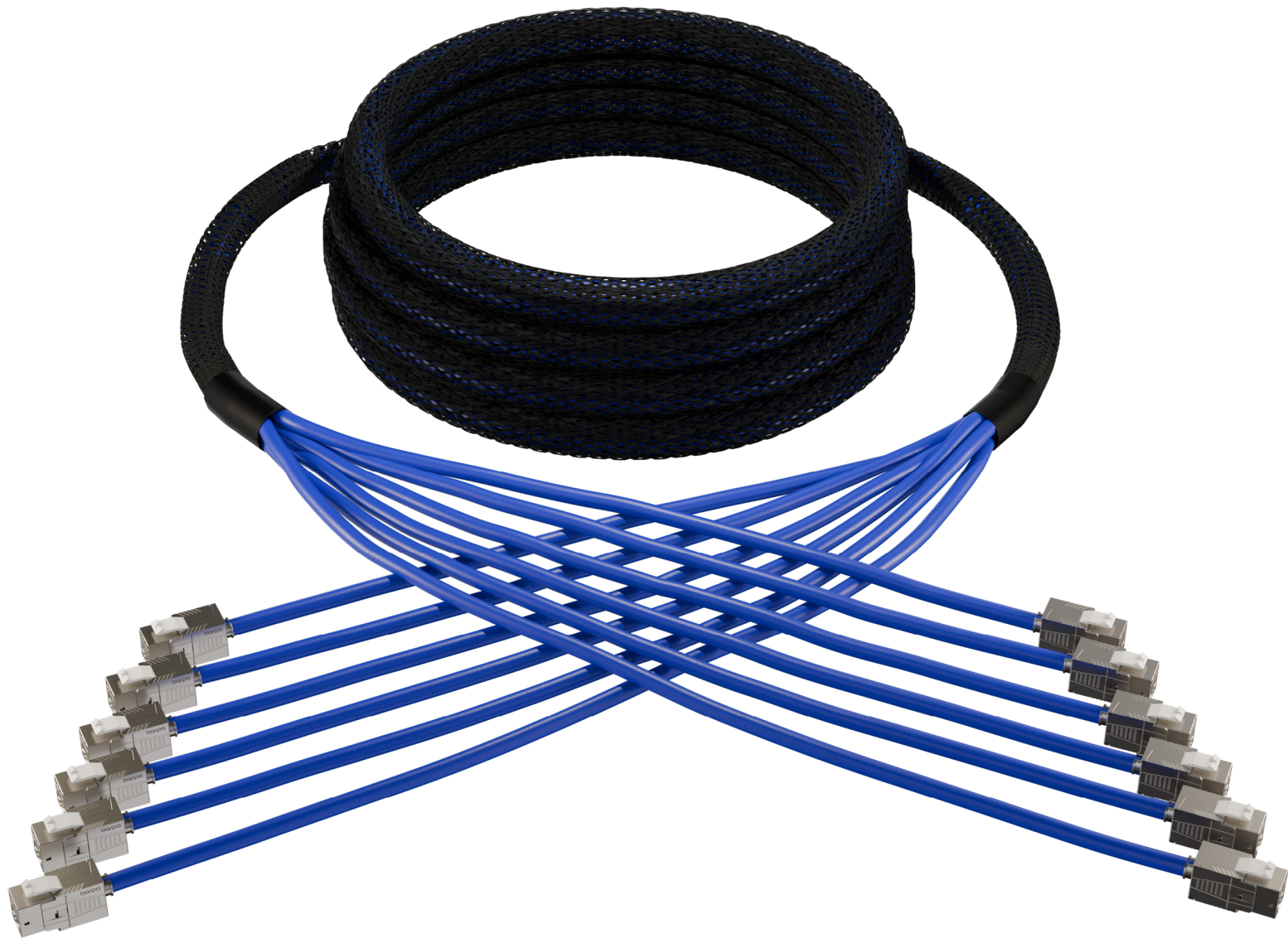
1/2

This pre-assembled multi-link solution is designed for permanent structured cabling installations, featuring Keystone Jacks on both ends for direct integration with patch panels and distribution racks.

Available in bundles of 6 or 12 cables, each unit is individually labelled to ensure complete traceability.

This approach enables faster deployment, reduces on-site labour, and guarantees stable and reliable link performance.

# PRE-TERMINATED











## Trunk Cables






2/2

## Keystone Jack + Keystone Jack

### CABLE SPECIFICATIONS

Shielded						
	Cat. 8.1 S/FTP	Cat. 7A S/FTP*	Cat. 7 S/FTP*	Cat. 6A S/FTP	Cat. 6A U/FTP	Cat. 6 U/FTP
CPR	B2ca	Cca	Cca	Cca B2ca	Cca Dca	Dca
Unshielded						
	Cat. 6A U/UTP Extreme				Cat. 6 U/UTP	
CPR	B2ca				Cca Dca	

### CONNECTOR SPECIFICATIONS

Shielded Keystone Jack			
	Cat. 8 STP	Cat. 6A STP	Cat. 6 STP
Unshielded Keystone Jack			
	Cat. 6A UTP		Cat. 6 UTP

### ADDITIONAL INFORMATION

Available in bundle configurations of 6 or 12 cables. Other configurations available upon request.

**Available lengths** From 2 m up to custom lengths; performance guaranteed up to 90 m, in accordance with EN 50173, ISO/IEC 11801-1 and ANSI/TIA-568.2-D.

Each cable is uniquely labeled with a QR Code for full traceability.

Supplied with Fluke Test Report to ensure quality and performance.

[For assistance customizing your solution, please contact our team at info@barpa.eu](mailto:info@barpa.eu)

\*Cat. 7/7A cables tested to Cat. 6A performance standards (ISO/IEC 11801/EN 50173).



# PRE-TERMINATED



## Trunk Cables

### Modular Plug + Modular Plug

---

1/2

This pre-assembled multi-link cable set is tailored for equipment interconnection, featuring RJ45 Modular Plugs on both ends.

Ideal for direct switch-to-switch or panel-to-device links. Manufactured in bundles of 6 or 12 cables, each unit is individually labelled to ensure full traceability.

It is designed to support quick deployment, enhance rack organization, and deliver consistent channel performance.



# PRE-TERMINATED








## Trunk Cables





2/2

## Modular Plug + Modular Plug

### CABLE SPECIFICATIONS

Shielded			
	Cat. 6A S/FTP		
			
	Cat. 6A U/FTP		Cat. 6 U/FTP
CPR	Cca B2ca		Dca
Unshielded			
	Cat. 6A U/UTP Extreme		Cat. 6 U/UTP
CPR	B2ca		Cca Dca

### CONNECTOR SPECIFICATIONS

Modular Plug			
	Cat. 6A STP		Cat. 6A UTP
Modular Plug Cable Boot			
	STP		UTP

**Note:** You can customize the boot color: Grey, Black, White, Purple, Orange, Green, Red, Yellow and Blue.

### ADDITIONAL INFORMATION

Available in bundle configurations of 6 or 12 cables. Other configurations available upon request.

**Available lengths** From 2 m up to custom lengths; performance guaranteed up to 90 m, in accordance with EN 50173, ISO/IEC 11801-1 and ANSI/TIA-568.2-D.

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# Copper Cables Solutions

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# CABLE SOLUTIONS

Access all cable information with just one click.

Shielded Cables Solutions

Unshielded Cables Solutions



Click on the cable you wish to explore





# Assembled Cabinets

**HIGGS**  
BY BARPA



## Assembled Cabinets

Is optimizing time and reducing waste on-site a priority for you?

Make your projects easier with barpa's racks, secure and efficient solutions that adapt to your needs.

With our specialized assembly service, you'll receive the racks ready to use, hassle-free and with the quality you can always count on.

At barpa we have multiple pre-assembled solutions at your disposal.

Tell us which configuration you want and we'll take care of the rest.





Assembled Cabinets



 [Click on the solution you wish to explore](#)



# ASSEMBLED CABINETS



## Cetus Server Cabinet

This cabinet was designed for demanding spaces, like Data Centers.

It's available in a range of heights and depths and accommodates a load of up to 1500 kg.

The best way to get the most of this cabinet is with barpa accessories.

### CABINET SPECIFICATIONS

Standard	ANSI/EIA RS-310-D; IEC 60297-2; DIN 41494 Parte 1 and 7.
Material	SPCC Cold Rolled Steel; 19" rails: 2,0mm; Casters tray: 2,0mm; Others 1,2mm
Loading Capacity (kg)	1500
Color	Black (RAL 7021)
Ventilation (%)	67
Earth Connection	Yes
Cable Entries	Sliding and adjustable cable entries on top and bottom, edges of cable entries are with the design to prevent wires from scratching.

### YOU CAN COSTUMIZE THIS PRODUCT. YOU MUST PAY ATTENTION TO:

Discover all available sizes

Explore the available accessories

# MOUNTED CABINETS







## Norma Network Cabinet

This was designed for Networking Rooms. It's available in a range of heights and depths and accommodates a load of up to 800 kg.

Four configurations are available: Norma 1, Norma 2, Norma 3 and Norma 4.

The best way to get the most of this cabinet is with barpa accessories.

### CABINET RANGES

				
	Norma 1	Norma 2	Norma 3	Norma 4
Doors and Panels	Front Door Glass Rear Door Solid Steel Side Panel Solid Steel	Front Door Glass w/Striped Hole Rear Door Double Steel Perforated Side Panel Solid Steel	Front Door Steel Perforated Rear Door Double Steel Perforated Side Panel Solid Steel	Front Door Double Steel Perforated Rear Door Double Steel Perforated Side Panel Perforated Steel

### CABINET SPECIFICATIONS

Standard	ANSI/EIA RS-310-D; IEC 60297-2; DIN 41494 Parte 1 and 7.
Material	SPCC Cold Rolled Steel; 19" rails: 2.0mm; Casters tray: 2.0mm; Others 1.2mm
Loading Capacity (kg)	800
Color	Black (RAL9004)
Earth Connection	Yes

### YOU CAN COSTUMIZE THIS PRODUCT. YOU MUST PAY ATTENTION TO:

Discover all available configuration and sizes

Explore the available accessories

# ASSEMBLED CABINETS







## Crux Wall Cabinet

It's available in a range of heights and depths and accommodates a load of up to 60 kg.

Two configurations are available: Crux 1 and Crux 4.

The best way to get the most of this cabinet is with barpa accessories

### CABINET RANGES

	 	 
	Crux 1	Crux 4
Doors and Panels	Front Door Glass Rear Door Solid Steel Side Panel Solid Steel	Front Door Steel Perforated Rear Door Solid Steel Side Panel Solid Steel

### CABINET SPECIFICATIONS

Standard	ANSI/EIA RS-310-D; IEC60297-2; DIN41494 Part 1 and 7
Material	SPCC Cold Rolled Steel; Mounting profile: 1.2mm; Others 1.0mm
Loading Capacity (kg)	60
Color	Black (RAL9004)
Earth Connection	Yes

### YOU CAN COSTUMIZE THIS PRODUCT. YOU MUST PAY ATTENTION TO:

- Discover all available configuration and sizes
- Explore the available accessories





Explore your  
options in Higgs  
**Tailor Made**

**HIGGS**  
BY BARPA

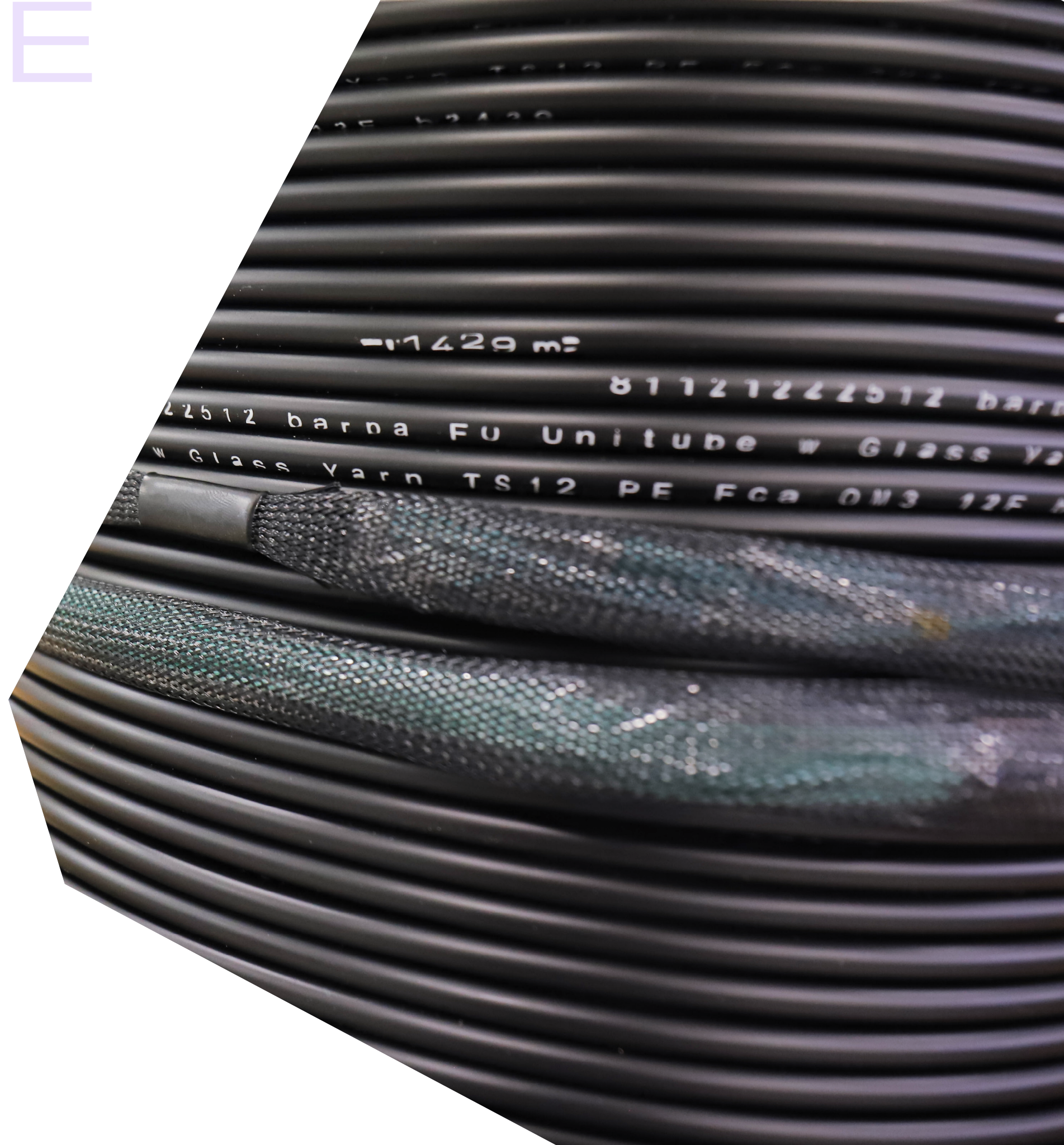
## Final Details decided by the customer

We can use Braided Sleeve for protection of one of the ends or for both.

We are able to not finalize the connector assembly if you need less diameter for the cable passage.

With staggered or straight fanout.

It's up to you.





## Results Report

All our pre-assembled fiber and copper cables are supplied with a test report, including Insertion Loss and Return Loss for optical cables, and continuity or performance checks for copper cables.

This way, you have all the key information at your fingertips.

If you also require geometrical results for fiber connectors or other specific data, that's possible too.

Get in touch with our team to learn more.





## Measures and Tests

We are equipped with state-of-the-art machines and can test and measure all the fiber and copper cables we manufacture.

In our production line, we carry out geometrical tests, insertion loss and return loss tests, as well as visual inspections for fiber cables.

For copper cables, we use professional Fluke testing equipment to certify performance and verify continuity using dedicated testers.

All test results are stored in accordance with our traceability process, ensuring that all data is accessible and securely archived.





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## Standards

All the connections are made under the IEC and Telcordia standards.

You just need to specify which standard you desire.





# TAILOR MADE

## **Do you have a project in mind? Let's develop it together.**

If you have a specific product or solution you'd like to see developed, get in touch with our sales team.

We're ready to support you throughout the process from concept to production and turn your ideas into reality.







barpa

HIGGS  
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