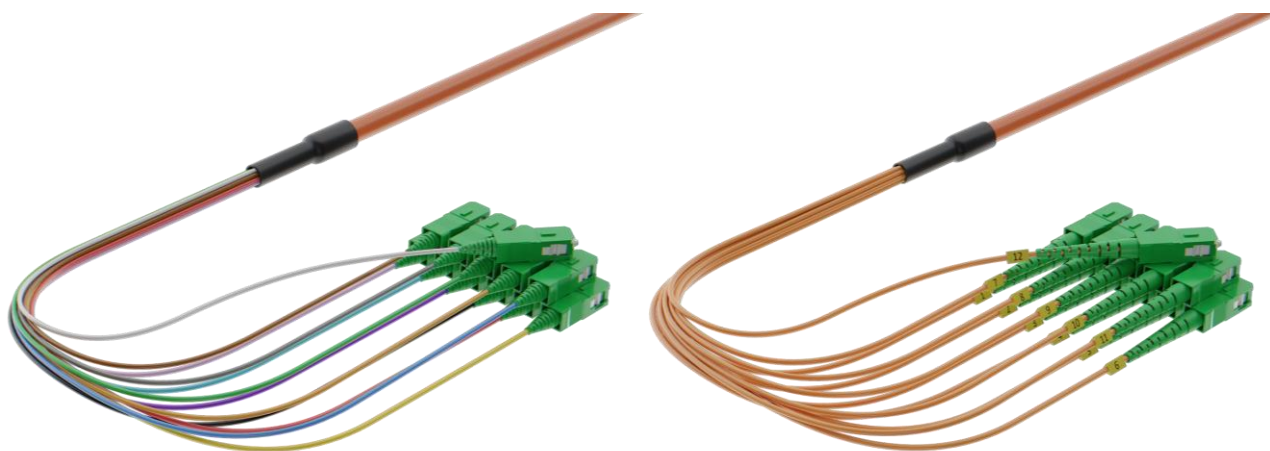


## Connectivity solutions – multipatchcords

### HF



HF pre-connectorized multi-fiber cables are specifically designed to serve as general-purpose products. The solution is based on breakout and minibreakout cables and the furcation point protected by heatshrink sleeve. Subcables - fibers with 0.9mm diameter buffer tubes or in kevlar reinforced fanouts (diameter: 1.6mm-2.8mm, depending on a cable type) are terminated with connectors in accordance with customer's needs and requirements. Individual fibers can be easily identified by different tube colours or number tags.

From an economic point of view HF pre-connectorized multifiber cables provide cost-effective solutions, thus they are popular in the structured cabling systems, where are used as links between distribution points. It is a Plug and Play solution, which facilitates fast and easy installation, with no extra equipment, as in traditional pigtail splicing.

### APPLICATIONS

FTTX applications,  
Structured cable systems,  
Distribution points, cabinets/racks connections.

### FEATURES

Furcation point is protected by heatshrink sleeve,  
Economic and universal solution, high quality,  
Easy and fast installation,  
Plug & Play solution,  
Common in structured cable system,  
Wide range of fiber optic connectors,  
High quality.

### TECHNICAL SPECIFICATIONS:

#### Mechanical, environmental and optical parameters:

<b>Max. Tensile load (tube to furcation point)</b>	IEC 61753-2-1	80N-fanout 1.6-2.8mm 7N-tube 900mm
<b>Crush performance (furcation point)</b>	EN 187101, IEC 60794-1-2-E3, no attenuation increase	50 N
<b>Installation temperature range *</b>	EN 187101, IEC 60794-1-2-F1, no attenuation increase	-10... +50 [°C]
<b>Operation *</b>		-30... +70 [°C]
<b>Transport and storage *</b>		-30... +70 [°C]
<b>Max connector Insertion Loss</b>	IEC 61300-3-4	≤ 0.3dB
<b>Max connector Return Loss</b>	IEC 61300-3-6	RL≥65 dB(APC); RL≥50 dB(SM UPC); RL≥30 dB(MM PC)

\* concerns the furcation point, depends on a cable type

## Connectivity solutions – multipatchcords

### CONSTRUCTION:

Furcation point is protected by a heatshrink sleeve (structure diagram – see attachment). Fanout diameter depends on a cable type and subcables diameter.

<b>Furcation point length [mm]</b>	30-50
<b>Number of fibers</b>	1-24
<b>Connector type</b>	SC/SCA/E2/E2A/LC/LCA/FC/FCA/ST

Possibility of installing a gland or a threaded flex cable protection on one or both sides of pre-connectorized multipatchcord. Size is matched to a cable diameter (details in attachment). Threads PG 13,5 and PG 16 are compatible with FIBRAIN patch panels. Furcation legs are identified by the tube colour or number tags.

Types of output legs protection (details in attachment):

- Corrugated tube
- Foil sleeve
- Foil sleeve with a loop for pulling through
- Elastic protection sleeve with a loop for pulling through

### WRAPPING AND PACKING:

Pre-connectorized multipatchcords are available as a coil or wrapped on a cable drum, then secured with stretch film and/or packed in plastic bags (depending on the dimensions of a final product and the wrapping). The size of a drum is selected to match the length and size of a patchcord.

- Coil – max 200 m
- Drum - min 200 m

## Connectivity solutions – multipatchcords

### ORDERING INFORMATION:

**HF-24SC01001-24SC01001-04K24-050-33-110**

FIBRAIN PRECONNECTORIZED CABLE LBR 50M 24G 50/125 OM3 MM 24SC/24SC BREAKOUT

HF	Pre-connectorized multi-fiber cables HF				
24SC	Inner side connectors quantity and type				
	SA	SC APC	E2	E2000 PC	00000 - no furcation
	SC	SC PC	FA	FC APC	
	LA	LC APC	FC	FC PC	
	LC	LC PC	ST	ST PC	
	EA	E2000 APC	XX	No connectors	
0 100	First digit – Inner side furcation option*		Three following digits – inner side max output length in cm*		Last digit – inner side fanout diameter **
	0	Equal length of outputs	Min: 30 cm, max: 200 cm.		0 Tube 900mm
	1	Single cascade	<i>Cascade furcation length = the longest leg length</i>		1 Fanout 1.8mm
	2	Double cascade			2 Fanout 2.8mm
	4	Quadruple cascade			
	<hr/> No digits – when no furcation				
24SC	Outer side connectors quantity and type - see above				
0 100	Outer side furcation option, output length and fanout diameter – see above				
04 K 24	Cable type	Fiber type		Quantity of fibers in a cable	
	See attachment	A	G652D	F	G657B3
		B	G655	G	G657B3+
		C	G656	H	OM1
		D	G657A1	I	OM2
		E	G657A2	K	OM3
				L	OM4
050	Total length in meters				
33	First digit – inner side fanouts protection type, Second digit - outer side:				
	0	When no furcation on one side			
	1	Corrugated tube			
	2	Foil sleeve			
	3	Foil sleeve with a loop for pulling through			
	4	Elastic protection sleeve with a loop for pulling through			
	First digit - wrapping		Two following digits – glands		
1 10	1	Coil	No digit	No glands on both sides	
	2	Cable drum	0	No gland on one side	
			1	Gland	
			2	Threaded flex cable protection	
	(e.g.: 101 –coil, gland on the outer side;				
	212 – drum, gland on the inner side, threaded flex cable protection on the outer side)				

\* see attachment

\*\* the fanout's diameter cannot be different than the diameter of a subcables in the used cable

### ATTACHMENTS:

1. Multipatchcords – additional information.

#### Important notice

Buyer and/or user of this product has to make sure before using this product that it is suitable for the intended use. All questions of liability relating to this product are subject – in accordance with the prevailing – to the Term of Sale of the selling Fibrain subsidiary.