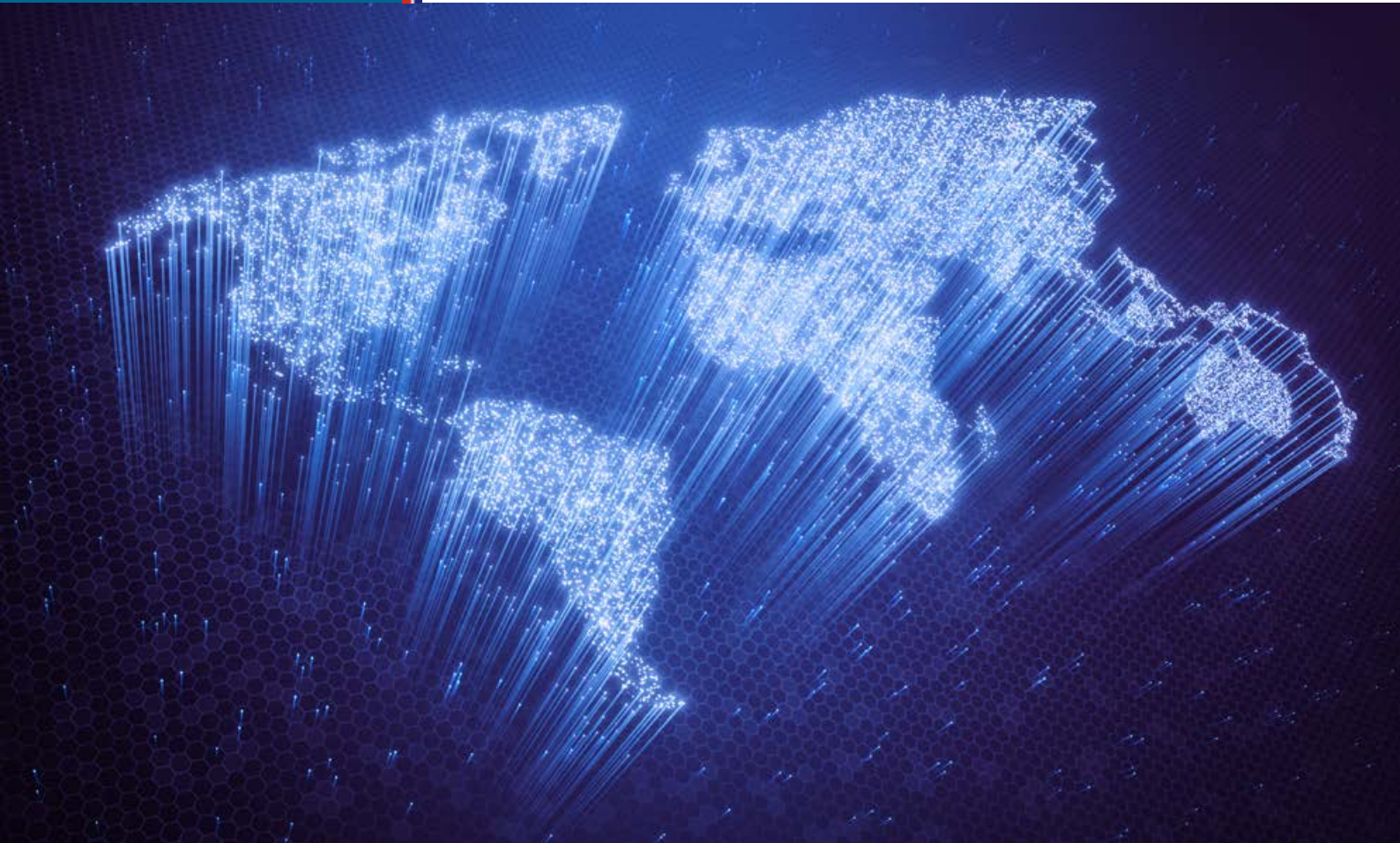




FIBRE OPTIC CABLES



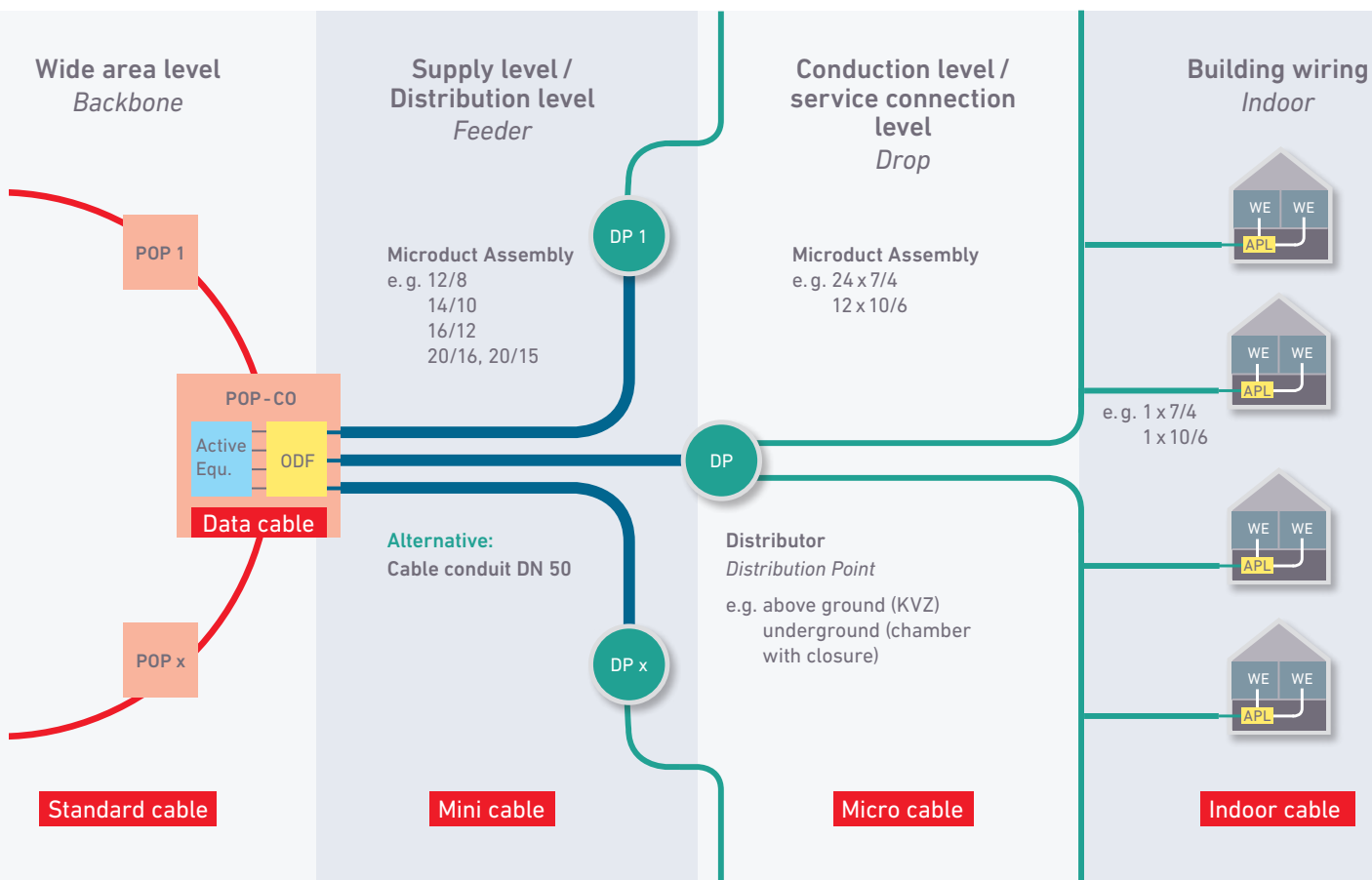
# FIBRE OPTIC CABLES

FOR GIGABIT NETWORKS



TYPICAL

# FTTH/FTTB NETWORK ARCHITECTURE



**UTL**

UltraThinLine:  
The space-optimised  
solution for your  
microduct systems.

Faber's UTL series is an optimised solution for a maximum number of fibres in your microduct systems. The overall diameter of the cables is reduced again by a more compact construction of the micro and mini cables.

As a result we can achieve a maximum number of 72 fibres for 10/6 mm microducts (6 mm  $\varnothing$ ) and 288 fibres for 14/10 mm microducts (10 mm  $\varnothing$ ).

Another advantage compared to standard mini cables is the enlarged air gap in the microduct. This leads to improved air blowing performance (higher air blowing speeds and larger ranges).

# STANDARDISED

# FIBER FIBRE OPTIC CABLE FAMILIES

## STANDARD

### Standard Fibre Optic Cable A-DQ(ZN)B2Y nx12 G.652D 3 kN



**NO. OF FIBRES:** 12 to 864

**APPLICATION:** This standard cable is used in ducts and trays. Laying by drawing in or air blown.

### Standard Fibre Optic Cable AI-DQ(ZN)BH nx12 G.652D Eca



**NO. OF FIBRES:** 12 to 288

**APPLICATION:** This universal standard cable is used outdoors and indoors. Laying by drawing in or air blown.

### Premium Fibre Optic Cable A-DQ(ZN)B2Y nx12/24 G.652D 6 kN



**NO. OF FIBRES:** 24 to 576

**APPLICATION:** This premium standard cable is used in ducts and trays. Laying by drawing in or air blown.

### Standard Fibre Optic Cable A-DQ(ZN)2Y(SR)2Y nx12 G.652D



**NO. OF FIBRES:** 12 to 288

**APPLICATION:** Due to the metallic armouring, this standard cable has a high lateral pressure resistance and permanent rodent protection. Use in ducts, trays, direct laying in the ground.

Standard	12	24	48	72	96	144	192 2L	216 2L	240	288 (12)	288 (24)	384	432	576	864	Fibre
A-DQ2Y 1,5 - 2,3 kN	1x12	2x12	4x12	6x12	8x12	12x12	16x12	18x12		24x12						G.652D
A-DQ(ZN)2Y 2,0 kN	1x12	2x12	4x12	6x12	8x12	12x12	16x12	18x12		24x12						G.652D
A-DQ(ZN)B2Y 3,0 - 4,0 kN	1x12 CT	2x12	4x12	6x12	8x12	12x12	16x12	18x12		24x12					36x24	G.652D
A-DQ(ZN)B2Y 6 kN	-	2x12	4x12	6x12	8x12	12x12	16x12	18x12		24x12	12x24		18x24	24x24		G.652D
A-DQ(ZN)(SR)2Y	1x12 CT	2x12	4x12	6x12	8x12	12x12	16x12	18x12		24x12						G.652D
A-DQ(ZN)2Y(SR)2Y	1x12 CT	2x12	4x12	6x12	8x12	12x12	16x12	18x12		24x12						G.652D
U-DQ(ZN)BH 2,4 - 3,0 kN Eca	1x12	2x12	4x12	6x12	8x12	12x12	16x12	18x12		24x12						G.652D

Midi	12	24	48	72	96	144	192 2L	216 2L	240	288 (12)	288 (24)	384	432	576	Fibre
A-DQ(ZN)2Y	1x12	2x12	4x12	6x12	8x12	12x12	16x12	18x12		24x12					G.652D

Mini	12	24	48	72	96	144	192 2L	216 2L	240	288 (12)	288 (24)	384	432	576	Fibre
A-DQ2Y	1x12	2x12	4x12	6x12	8x12	12x12	16x12			24x12					G.652D
A-DQ2Y	1x12	2x12	4x12	6x12	8x12	12x12	16x12			24x12					G.657A1
A-DQ2Y UTL						12x12	16x12			24x12					G.657A1 200 µ
A-DQ2Y					4x24	6x24	8x24	9x24			12x24	16x24	18x24	24x24	G.657A1 200 µ
A-DQ2Y 2/2,5 kN			4x12		8x12	12x12				24x12					G.652D
A-DQ2Y 2/2,5 kN			4x12		8x12	12x12				24x12					G.657A1
A-DQ4Y (PA) UTL						6x24	8x24	9x24	10x24						G.657A1 200 µ
A-DQ4Y (PA) UTL					8x12	12x12				24x12					G.657A1 200 µ

Micro		2	4	6	8	12	24	36	48	72					µ duct	Fibre
EPFU Fibre Unit		1x2	1x4	1x6	1x8	1x12									7/4	G.657A1
A-D(ZN)2Y OD ≤ 2,8 mm			1x4	1x6	-	1x12	1x24								7/4	G.657A1 (200 µ)
A-D(ZN)2Y OD ≤ 4,1 mm			1x4	1x6	-	1x12	1x24								10/6	G.657A1
A-DQ2Y OD 4,4 mm									4x12	6x12					10/6	G.657A1
A-DQ2Y							6x4	6x6	6x8						10/6	G.657A1

## MINI

### Mini Fibre Optic Cable

A-DQ2Y nx12 G.652D/G.657A1



**NO. OF FIBRES:** 12 to 288, from 12/8 to 20/15 microduct

**APPLICATION:** This micro cable is used in microducts, it is installed by air blowing. The cable diameter and microtube dimensions must be matched to each other.

## MICRO / EPFU

**Micro Fibre Optic Cable** A-D(ZN)2Y 1xn G.657A1  
for 7/4 microduct (200  $\mu$ ) or 10/6 microduct

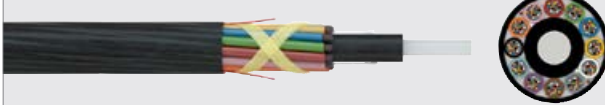


**NO. OF FIBRES:** 4 to 24

**APPLICATION:** This micro cable is used in microducts with approx. 4 mm or 6 mm inside diameter, they are installed by air blowing.

### Mini Fibre Optic Cable

A-DQ2Y nx24 G.657A1 200  $\mu$



**NO. OF FIBRES:** 96 to 576, from 12/8 to 20/15 microduct

**APPLICATION:** This micro cable is used in microducts, it is installed by air blowing. The cable diameter and microtube dimensions must be matched to each other.

UTL

### Micro Fibre Optic Cable

A-DQ2Y nx12 G.657A1 200  $\mu$  for 10/6 microduct

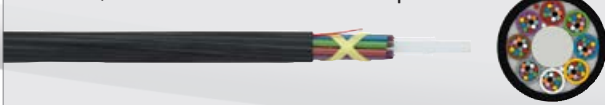


**NO. OF FIBRES:** 48 and 72

**APPLICATION:** This micro cable is used in microducts with approx. 6 mm inside diameter, they are installed by air blowing or pushing in. The compact design of the UTL series enables a maximum number of fibres.

### Mini Fibre Optic Cable

A-DQ2Y nx12 G.657A1 200  $\mu$



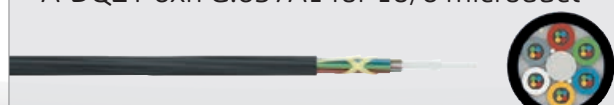
**NO. OF FIBRES:** 144 to 288, from 14/10 to 20/15 microduct

**APPLICATION:** This micro cable is used in microducts, in which a maximum number of fibres are to be placed. They are installed by air blowing. The cable diameter and microtube dimensions must be matched to each other.

UTL

### Micro Fibre Optic Cable

A-DQ2Y 6xn G.657A1 for 10/6 microduct

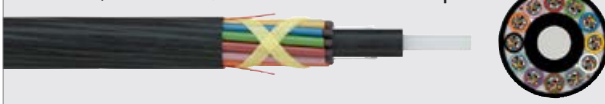


**NO. OF FIBRES:** 24, 36 and 48

**APPLICATION:** This micro cable is used in microducts with approx. 6 mm inside diameter, they are installed by air blowing or pushing in.

### Mini Fibre Optic Cable

A-DQ4Y nx12/24 G.657A1 200  $\mu$

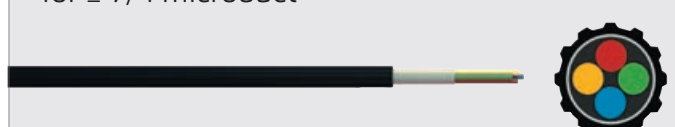


**NO. OF FIBRES:** 96 to 288, from 12/8 to 20/15 microduct

**APPLICATION:** This micro cable with polyamide outer sheath is used in microducts, in which a maximum number of fibres are to be placed. They are installed by air blowing. The cable diameter and microduct dimensions must be matched to each other.

UTL

**EPFU Fibre Unit** 1xn G.657A1  
for  $\leq$  7/4 microduct



**NO. OF FIBRES:** 2 to 12

**APPLICATION:** This micro cable is used in microducts with inside diameter  $\leq$  4 mm, they are installed by air blowing or pushing in.

UTL

## INDOOR / UNIVERSAL

### Fibre Optic Cable Data U-DQ(ZN)BH nxm (fibre type) Eca



**FIBRE TYPE:** E9 G.652D, E9 G.657A1, E9 G.657A2, G62.5 OM1, G50 OM2, G50 OM3, G50 OM4

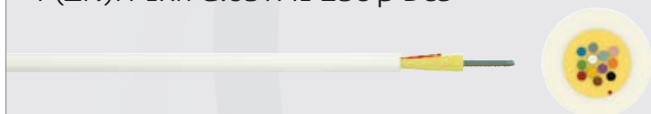
**NO. OF FIBRES:** 4/8/12/24 as central tube, 24/48 verseilt

**APPLICATION:** This halogen-free and flame-resistant data cable is intended for use in indoors and outdoors. Laying by drawing in or fixing on cable tray systems.

Andere Brandklassen CCA, DCA, B2CA auf Anfrage.

### Indoor Fibre Optic Cable

I-(ZN)H 1xn G.657A1 250  $\mu$  Dca

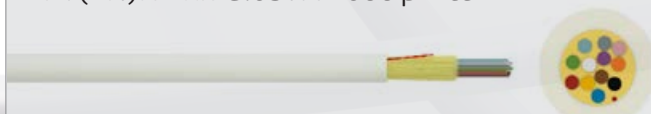


**NO. OF FIBRES:** 1 to 24

**APPLICATION:** This indoor cable is suitable for exposed laying or for pulling into these indoor ducts.

### Indoor Fibre Optic Cable

I-V(ZN)H 1xn G.657A1 600  $\mu$  Dca

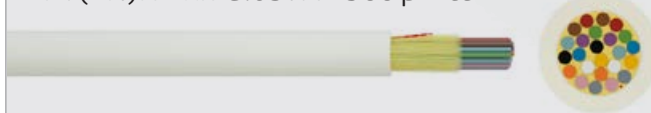


**NO. OF FIBRES:** 1 to 24

**APPLICATION:** This indoor cable is suitable for exposed laying or for pulling into these indoor ducts. The 600  $\mu$  semi-tight jackets provide mechanical protection for the fibres.

### Indoor Fibre Optic Cable

I-V(ZN)H 1xn G.657A1 900  $\mu$  Dca



**NO. OF FIBRES:** 1 to 24

**APPLICATION:** This indoor cable is suitable for exposed laying or for pulling into these indoor ducts. The 900  $\mu$  semi-tight jackets provide mechanical protection for the fibres.

## ASSEMBLIES

### Patch cable



Your ideal partner for fibre optic patch cables in many different lengths and connector combinations (SC/LC/E2000®, etc.)

### Konfektionen



Your assembly made with all commonly used glass fibre plug-in connectors to your own wishes. Choose your individual assembly in our web-shop at [shop.faberkabel.de/konfektionierte-LWL-Kabel/](http://shop.faberkabel.de/konfektionierte-LWL-Kabel/).

### MTP® trunking cable



Multi-fibre plug-in connector with high packing density for your data centre application. Available in single and multi-mode (OM3/OM4/OM5) in lengths from 1 to 100 m.

# RECOMMENDED

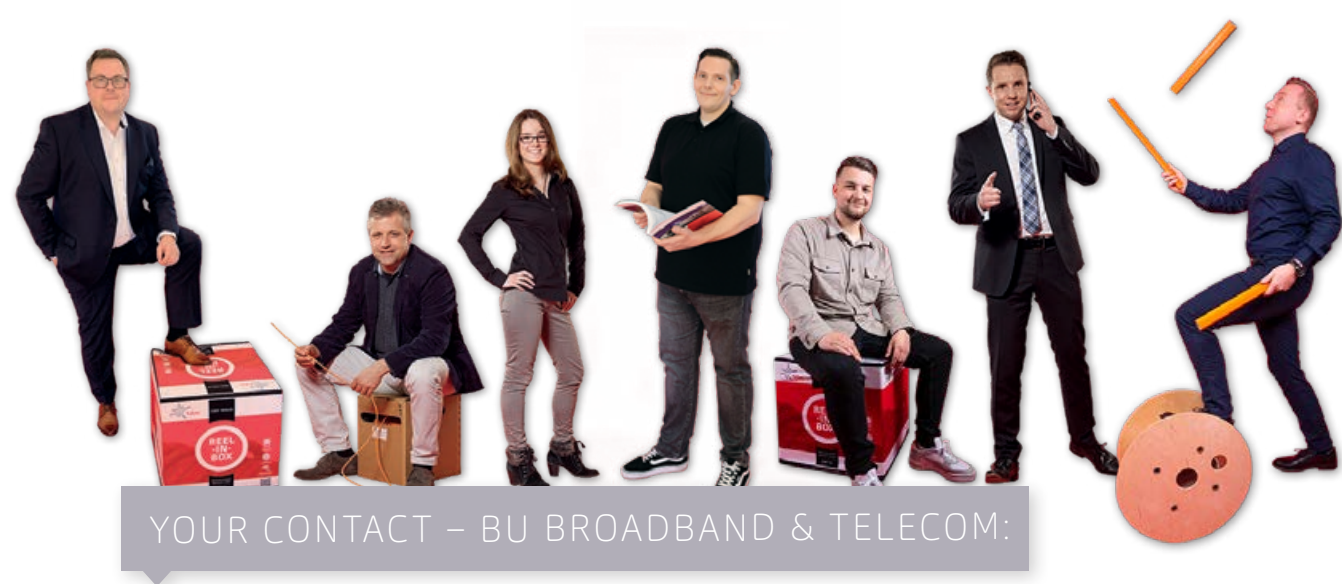
## CABLE / MICRODUCT COMBINATIONS



### Recommendation for microduct dimension (outside Ø/inside Ø)

			Recommendation for microduct dimension (outside Ø/inside Ø)							
			OD (mm)	No. of Fibres	7/4	10/6	12/8	14/10	16/12	20/15
EPFU (Fibre Unit)	EPFU 1x2 G.657A1	UTL	1,2	2	✓					
	EPFU 1x4 G.657A1	UTL	1,2	4	✓					
	EPFU 1x6 G.657A1	UTL	1,4	6	✓					
	EPFU 1x8 G.657A1	UTL	1,6	8	✓					
	EPFU 1x12 G.657A1	UTL	1,8	12	✓					
MICRO CABLE	Micro 1x4 G.657A1		2,5	4	✓					
	Micro 1x6 G.657A1		2,5	6	✓					
	Micro 1x12 G.657A1		2,5	12	✓					
	Micro 1x24 G.657A1		2,5	24	✓					
	Micro 1x4 G.657A1		3,8	4		✓				
	Micro 1x6 G.657A1		3,8	6		✓				
	Micro 1x8 G.657A1		3,8	8		✓				
	Micro 1x12 G.657A1		3,8	12		✓				
	Micro 1x24 G.657A1		4,1	24		✓				
	Micro 4x12 G.657A1	UTL	4,4	48		✓				
	Micro 6x12 G.657A1	UTL	4,4	72		✓				
MINI CABLE	Mini 1x12 G.652D		5,5	12			✓			
	Mini 2x12 G.652D		5,5	24			✓			
	Mini 4x12 G.652D		5,5	48			✓			
	Mini 6x12 G.652D		5,5	72			✓			
	Mini 8x12 G.652D		6,2	96			✓	✓		
	Mini 12x12 G.652D		8,0	144				✓	✓	✓
	Mini 16x12 G.652D		9,0	192					✓	✓
	Mini 24x12 G.652D		9,4	288					✓	✓
	Mini 1x12 G.657A1		5,5	12			✓			
	Mini 2x12 G.657A1		5,5	24			✓			
	Mini 4x12 G.657A1		5,5	48			✓			
	Mini 6x12 G.657A1		5,5	72			✓			
	Mini 8x12 G.657A1		6,2	96			✓	✓		
	Mini 12x12 G.657A1		8,0	144				✓	✓	✓
	Mini 16x12 G.657A1		9,0	192					✓	✓
	Mini 24x12 G.657A1		9,4	288					✓	✓
	Mini 8x12 G.657A1 PA	UTL	5,6	96			✓	✓		
	Mini 12x12 G.657A1 PA	UTL	7,2	144				✓	✓	
	Mini 24x12 G.657A1 PA	UTL	8,0	288				✓	✓	✓
	Mini 4x24 G.657A1		6,6	96			✓	✓		
	Mini 6x24 G.657A1		6,6	144			✓	✓		
	Mini 8x24 G.657A1		7,6	192				✓	✓	
	Mini 9x24 G.657A1		8,2	216				✓	✓	✓
	Mini 12x24 G.657A1		10,0	288					✓	✓
	Mini 16x24 G.657A1		11,8	384						✓
	Mini 18x24 G.657A1		11,8	432						✓
	Mini 24x24 G.657A1		11,8	576						✓
	Mini 4x24 G.657A1 PA		6,2	96			✓	✓		
	Mini 6x24 G.657A1 PA	UTL	6,2	144			✓	✓		
	Mini 8x24 G.657A1 PA	UTL	7,2	192				✓	✓	
	Mini 9x24 G.657A1 PA	UTL	7,8	216				✓	✓	
	Mini 12x24 G.657A1 PA		9,4	288					✓	✓
	Mini 16x24 G.657A1 PA	UTL	11,2	384						✓
Mini 18x24 G.657A1 PA	UTL	11,2	432						✓	
Mini 24x24 G.657A1 PA	UTL	11,2	576						✓	

UTL - UltraThinLine - the extra thin version for a maximum number of fibres and optimised air blowing performance. | Other cable versions available on request.



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HIGH PRODUCT AVAILABILITY  
 MEETS STRONG RANGE.

With its two logistics locations and stock worth around € 100 mill, Faber is one of the strongest cable logistics partners in Europe. A large number of products are available for you directly from the warehouse. This allows us to assure a delivery period of 24 to 72 hours. In addition, with our cutting service we are able to cut the required goods precisely to your wishes, and realise and send special features.





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