

## ■ PRE-ASSEMBLED FIBRE OPTIC CABLES

No special knowledge or tools are needed to install HELUCOM® pre-assembled fibre optic cables. The cable is pre-assembled and can be connected immediately after it has been laid. As a result, the installation process actually comprises nothing more than laying the cable itself. In the distributor bodies, the fibres from the loose-tube cable are conducted through the individual simplex cables without splicing. The simplex cables are terminated using pre-assembled plugs. Included in delivery is a plug

shield that protects the plugs, simplex cables and distributor body while the cable is being laid. The pulling aid is connected to the pull cable. As a result, it is possible to lay the cable together with the pre-assembled distributor just as you would lay a standard cable. The benefits of pre-assembled and pre-assembled cables are easy to see: The fibre optic cables are cut to the desired length, and the fibres are glued to different plug models in a clean and dust-free environment.

### Features:

#### Applications:

1. Outdoor wiring
2. Indoor wiring

#### Cable types:

- Zipcords with halogen-free outer jacket
- Breakout cables with halogen-free outer jacket
- Mini breakout cables with halogen-free outer jacket
- Fibre optic cables with central / stranded loose-tube cable
- Plastic fibre cables (POF)

#### Fibre types:

- E9/125 µm
- G50/125 µm
- G62,5/125 µm
- 200/230 µm
- 980/1000 µm

#### Plug systems:

- ST, SC, SCdx, LC, MTRJ, E-2000, DIN, FDDI, FC-PC and F-SMA

#### Additional pre-assembled kits:

- Pulling aid
- Pulling tube
- Core coding

### Pre-assembled fibre optic cables



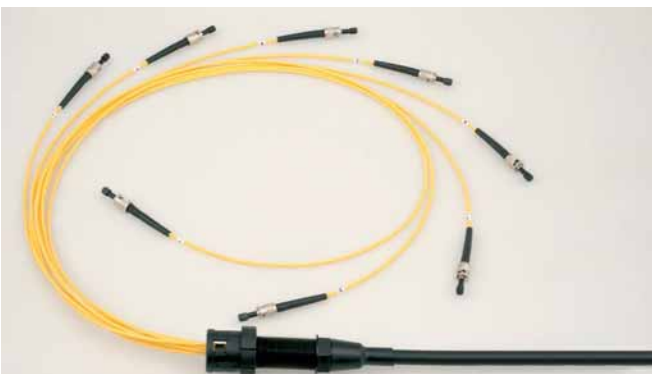
**01** The pre-assembled loose-tube cable together with distributor body and pulling protection as it appears just before shipment. Depending on the length of the cable, the cable can be shipped as a ring or on a disposable shipping reel.



**02** Detailed view form the end of the cable with pulling aid.



**03** Detailed view of the robust cast distributor body. The distributor body is equipped with a compatible plastic gland for installation in splice boxes. In addition, the system can be reused in a new installation.



**04** Mini loose-tube cables designed to allow easy insertion into prepared splice boxes. In addition, the mini loose-tube cables are number-coded.



**05** Glass fibre splice box used as cable end enclosure for multi-core fibreoptic cables in 19" cabinets. The splice box is particularly suitable as a connecting unit for our pre-fabricated fibre-optic grooved cables.

# PRE-ASSEMBLED FIBRE OPTIC CABLES

Matrix Distributor bodies				
Designation	Figure	Top view		
		compact fibre	empty fibre	
<b>WKOM-01</b>				
<b>WKOM-02</b>				
<b>WKOM-03</b>				
<b>WKOM-04</b>				
<b>WKOM-05</b>				
Designation	Figure	Top view		
<b>WKOM-100</b>				
<b>WKOM-101</b>				
<b>WKOM-102-4</b>				
<b>WKOM-102-5</b>				
Cable allocation				
Designation	Figure	Top view		
<b>WKOM-105</b>				
<b>WKOM-106</b>				
<b>WKOM-107</b>				

	Compact fibre	Empty fibre	Thread	Fibre optic cable	Allocation table			
	max. number	max. number	type	max $\varnothing$ [mm]	length [mm]	D [mm]	d <sub>A</sub> [mm]	d <sub>I</sub> [mm]
	24	-	PG21	12	80	39	34	28
	12	-	PG16	12	80	34	28	23
	4	12	PG11	10	66	29	26	18,5
	4	12	-	10	35	17	-	-
	4	4	-	5	29	12	-	-
	Thread	Cable A	Cable B	Cable B	Allocation table			
	type	max $\varnothing$ [mm]	number	$\varnothing$ [mm]	Length [mm]	D [mm]	d <sub>A</sub> [mm]	d <sub>I</sub> [mm]
	PG16	12	2	6	80	34	28	23
	PG16	12	3	6	80	34	28	23
	PG21	12	4	8	80	39	34	28
	PG21	12	5	6	80	39	34	28
	Thread	Cable A	Cable B	Cable B	Allocation table			
	type	max $\varnothing$ [mm]	number	$\varnothing$ [mm]	Length [mm]	D [mm]	d <sub>A</sub> [mm]	d <sub>I</sub> [mm]
	-	14	2	12	110	-	18	14
	-	10	2	8	100	-	14	10
	-	8	2	6	100	-	12	8



## Application

Dismantling and stripping the special Profibus SK types.

## Details

- Triple-stage stand-off of sheath, screen, and filler
- Knife block can be inserted on both sides
- Standard port for SK bus lines with outside diameter of 8.0 mm
- Variable tool use thanks to adjustable screw holders or replacement of the knife block for other line types as well, e.g. coaxial cables

## Included in delivery

Stripping tools with brown knife block and adjustment block. As an option, other knife blocks for other diameters are available.

## Options

Knife cartridges for other cable types or constructions

## Designation

Stripper for SK bus cables

## Part no.

**81233**

Dimensions and specifications may be changed without prior notice.



## Application

Dismantling tool for unshielded and shielded data cables.

## Details

- Can cut UTP and STP data cables and other cables of up to 4 mm<sup>2</sup>
- Dismantling of the outer insulation of UTP and STP data cables, as well as other round cables from 0.5 - 12.5 mm
- No damage to shielding or conductor due to stripping knife adjustable to different insulation thicknesses
- Length stop for repeatable cutting and stripping lengths

## Included in delivery

Dismantling tool with length stop

## Designation

HELU-LAN 12

## Part no.

**82902**

Dimensions and specifications may be changed without prior notice.



## Application

Dismantling and stripping the special PROFInet™ types A, B, C.

## Details

- Triple-stage stand-off of sheath, screen, and filler
- Knife block can be inserted on both sides
- Standard port for PROFInet™ lines with outside diameter of 6.5 mm
- Variable tool use thanks to adjustable screw holders or replacement of the knife block for other line types as well, e.g. coaxial cables

## Included in delivery

Stripping tools with green knife block and adjustment block. As an option, other knife blocks for other diameters are available.

## Options

Knife cartridges for other cable types or constructions

## Designation

Stripper for PROFInet cables

## Part no.

**801497**

Dimensions and specifications may be changed without prior notice.