( )

Технические характеристики

Fibre Optic Connecting Technics

Type	**19" splice boxes, telescope**
Cage	
Housing material:	Steel sheet
Cover lock:	Fastening by means of screws
Colour:	Grey similar to RAL 7035
Equipment	
	Full
	Couplers
	Pigtails
Dimensions	
Number of height modules (HM):	1
Fastening dimensions:	19"
Width:	225 mm

Preferred types

Part no.	Number of couplers	Type of coupler	Fibre type	Unit
801164	4	ST	Multimode G50/125	1
802453	4	ST	Multimode G50/125 OM3	1
801165	8	ST	Multimode G50/125	1
802454	8	ST	Multimode G50/125 OM3	1
81354	12	ST	Multimode G50/125	1
802455	12	ST	Multimode G50/125 OM3	1
81355	12	ST	Multimode G62.5/125	1
82869	12	ST	Single-mode E9/125	1
81356	24	ST	Multimode G50/125	1
802456	24	ST	Multimode G50/125 OM3	1
81357	24	ST	Multimode G62.5/125	1
82870	24	ST	Single-mode E9/125	1
801166	2	SC duplex	Multimode G50/125	1
802457	2	SC duplex	Multimode G50/125 OM3	1
801167	4	SC duplex	Multimode G50/125	1
802458	4	SC duplex	Multimode G50/125 OM3	1
81358	6	SC duplex	Multimode G50/125	1
802459	6	SC duplex	Multimode G50/125 OM3	1
81359	6	SC duplex	Multimode G62.5/125	1
82871	6	SC duplex	Single-mode E9/125	1
81675	12	SC duplex	Multimode G50/125	1
802460	12	SC duplex	Multimode G50/125 OM3	1
81676	12	SC duplex	Multimode G62.5/125	1
82872	12	SC duplex	Single-mode E9/125	1
803145	2	LCdx	Multimode G50/125	1
803146	2	LCdx	Multimode G50/125 OM3	1
803147	4	LCdx	Multimode G50/125	1
803148	4	LCdx	Multimode G50/125 OM3	1
803149	6	LCdx	Multimode G50/125	1
803150	6	LCdx	Multimode G50/125 OM3	1
803151	6	LCdx	Multimode G62.5/125	1
803152	6	LCdx	Single-mode E9/125	1
803153	12	LCdx	Multimode G50/125	1
803154	12	LCdx	Multimode G50/125 OM3	1
803155	12	LCdx	Multimode G62.5/125	1
803156	12	LCdx	Single-mode E9/125	1
82875	12	E2000	Single-mode E9/125	1

Dimensions and specifications may be changed without prior notice.

Options	On request, different assembly variations, such as LC, F-SMA, FC/PC, and DIN and/or diagonal cross section designs, are also available. Naturally, we also offer empty boxes.
Application	Glass fibre splice boxes are used as cable end enclosures for multi-core fibre-optic cables in 19" cabinets.

HELUKABEL®

Fibre Optic Connection Technics

Type

19" splice boxes, telescope partially configured with couplings MM

Cage

Housing material:	Steel sheet
Cover lock:	Fastening by means of screws
Colour:	Grey similar to RAL 7035

Equipment

Partially-configured
Couplers

Dimensions

Number of height modules (HM):	1
Fastening dimensions:	19"
Width:	225 mm

Preferred types

| Part no.	Number of couplers	Type of coupler	Unit
801171	4	ST	1
801172	8	ST	1
801173	12	ST	1
801174	24	ST	1
801168	2	SC duplex	1
801169	4	SC duplex	1
801170	6	SC duplex	1
80996	12	SC duplex	1
803157	2	LCdx	1
803158	4	LCdx	1
803159	6	LCdx	1
803160	12	LCdx	1

Dimensions and specifications may be changed without prior notice.

Options

On request, different assembly variations, such as F-SMA, FC/PC, and DIN and/or diagonal cross section designs, are also available.

Application

Glass fibre splice boxes are used as cable end enclosures for multi-core fibreoptic cables in 19" cabinets. The splice boxes described here are particularly suitable as a connecting unit for our pre-fabricated fibre-optic grooved cables.

HELUKABEL®

Fibre Optic Connecting Technics
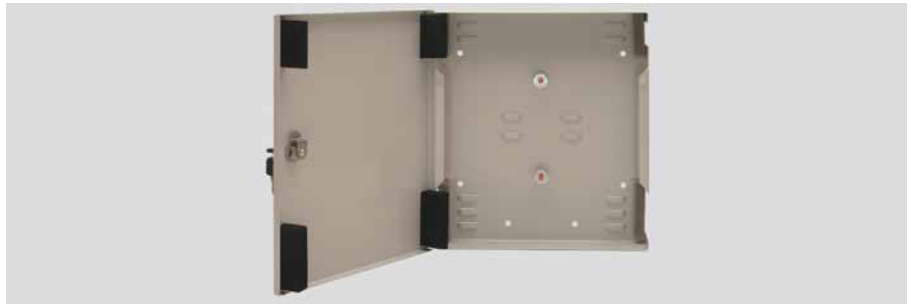
Type	**Mini-Wallmount Cabinet**

Cage

Housing material:	Steel sheet
Colour:	Grey similar to RAL 7035

Equipment

With front plate

Maximum number of couplings/adapters:	8
Number of couplings/adapters:	8
With coupling/adapter:	Empty

Dimensions

Width:	54 mm

Included in delivery Housing with cover, lockable, 2 keys, 2 plastic expanding rivets, 4 openings with sealing strips for incoming and outgoing cables.

Application A maximum of 8 splice boxes or 4 splice boxes and one distributor plate can be installed. The distributor plate can be fastened using 2 plastic expanding rivets. Dimensions: W=320xH=280xD=54mm.

Part no. **802461**

Dimensions and specifications may be changed without prior notice.

Fibre Optic Connecting Technics

Type
Fibre-optic wiring boxes, in-wall installation

Cage
Housing material:	Plastic
Colour:	Pure White similar to RAL 9010
Outlet direction:	Angled
Type of fastening:	Snap-in

Equipment

Coupler
Central plate
Text box

Dimension
50 x 50mm

Preferred types

Part no.	Number of couplers	Type of coupler	Suitable for fibre type	Unit
81072	2	ST	Multi-mode	10
81073	4	ST	Multi-mode	10
81074	2	SC	Multi-mode	10
81075	4	SC	Multi-mode	10

Dimensions and specifications may be changed without prior notice.

Options

On request, we also supply sockets in other configurations, such as three-way, to four-way, or six-way sockets. In addition, different codings can be supplied by means of colored identification buttons.

Application

The fibre-optic wiring box forms the end element of the fibre-optic network at the workstation. From the wiring box, computers and peripheral devices are connected with cable connections (jumper cables). Depending on the version, the wiring box can be used in-wall mounting or top-mounting.

Fibre Optic Connecting Technics

Type	**Fibre Optic connector**			

Preferred types

Part no.	Type	Suitable for fibre type	Unit
80396	ST	Multi-mode	50
81062	SC	Multi-mode	50
81063	SC duplex	Multi-mode	50
800728	SC duplex	Single-mode	50
800725	F-SMA	Multi-mode	50
800727	F-SMA	Single-mode	50
800723	LC	Multi-mode	50
800726	LC	Single-mode	50
82025	MT-RJ	Multi-mode	50
800724	FC	Multi-mode	50
800720	E2000	Single-mode	50
800721	DIN	Multi-mode	50

Dimensions and specifications may be changed without prior notice.

Included in delivery   Fibre-optic plug

Application   Fibre-optic plugs and couplings serve as links or removable connections for equipment outputs or distribution centers.

| **Type**	**LWL-coupler**			

Preferred types

Part no.	Type	Suitable for fibre type	Unit
800729	SC / ST	Single-mode	50
802252	ST / ST	Multi-mode	50
80605	ST / ST	Single-mode	50
81069	SC / ST	Multi-mode	50
805112	SC / SC	Multi-mode	50
81065	SC / SC	Multi-mode	50
800731	SC / SC	Single-mode	50
805111	SC / SC	Single-mode	50
81070	SC duplex / ST	Multi-mode	50
800730	SC duplex / ST	Single-mode	50
81066	SC duplex / SC duplex	Multi-mode	50
800732	SC duplex / SC duplex	Single-mode	50
82026	MT-RJ / MT-RJ	Multi-mode	50
800735	LC / LC	Multi-mode	50
800736	LC / LC	Single-mode	50
800733	E2000 / E2000	Single-mode	50
800737	FC/PC / FC/PC	Multi-mode	50
800738	F-SMA / F-SMA	Multi-mode	50
800734	DIN / DIN	Multi-mode	50

Dimensions and specifications may be changed without prior notice.

HELUKABEL®

Fibre Optic Connecting Technics
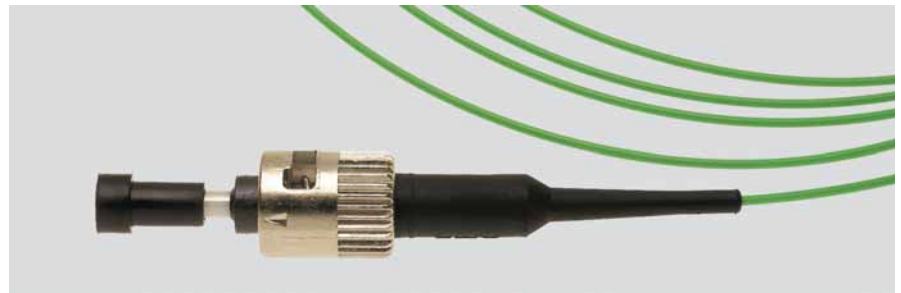
Type
Standard length

Preferred types

Fibre pigtails
2,0m

Plug type: ST

Part no.	Fibre type	Sheath colour	Unit
80457	Multimode G50/125 OM2	Green	12
80606	Multimode G62.5/125	Blue	12
81041	Single-mode E9/125	Yellow	12

Plug type: SC
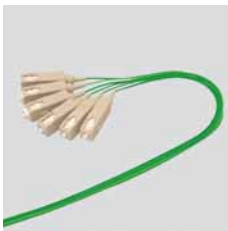
Part no.	Fibre type	Sheath colour	Unit
81044	Multimode G50/125 OM2	Green	12
81045	Multimode G62.5/125	Blue	12
81046	Single-mode E9/125	Yellow	12

Plug type: ST
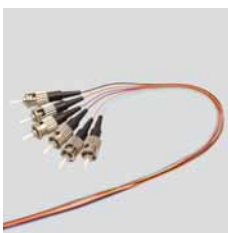
Part no.	Fibre type	Sheath colour	Unit
805718	Multimode G50/125 OM2	color coded	12
805719	Multimode G50/125 OM3	color coded	12
805720	Multimode G50/125 OM4	color coded	12
805722	Multimode G62.5/125	color coded	12
805721	Single-mode E9/125	color coded	12

Plug type: SC

Part no.	Fibre type	Sheath colour	Unit
805723	Multimode G50/125 OM2	color coded	12
805080	Multimode G50/125 OM3	color coded	12
805724	Multimode G50/125 OM4	color coded	12
805725	Multimode G62.5/125	color coded	12
805110	Single-mode E9/125	color coded	12

HELUKABEL®

Fibre Optic Connecting Technics

Plug type: LC

Part no.	Fibre type	Sheath colour	Unit
805726	Multimode G50/125 OM2	color coded	12
805727	Multimode G50/125 OM3	color coded	12
805728	Multimode G50/125 OM4	color coded	12
805730	Multimode G62.5/125	color coded	12
805729	Single-mode E9/125	color coded	12

Dimensions and specifications may be changed without prior notice.

Application

Pigtails are used in glass fibre sets, such as splice boxes. 12 pigtails with fibrecoatings 900µ in a packing unit. Every packing unit contains an individual measurement protocol.
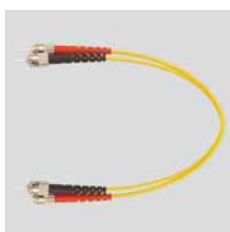
Options

On request, different assembly variations, such as E2000, FC/PC, F-SMA or DIN, are also available. 8° or 9° diagonal cross sections are also manufactured with the corresponding plug types.

HELUKABEL®

Fibre Optic Connecting Technics

Type

Preferred types

Jumper cable I-VH 2x1 (glas fibre)

Plug type: ST / ST

Part no.	Fibre type	Length in metres	Sheath colour	Unit
803161	Multimode G50/125 OM2	1	Orange	10
80983	Multimode G50/125 OM2	2	Orange	10
801175	Multimode G50/125 OM2	3	Orange	10
801176	Multimode G50/125 OM2	5	Orange	10
805796	Multimode G50/125 OM3	1	turquoise	10
802442	Multimode G50/125 OM3	2	turquoise	10
805797	Multimode G50/125 OM3	3	turquoise	10
805798	Multimode G50/125 OM3	5	turquoise	10
80636	Multimode G62.5/125	2	Orange	10
805799	Single-mode E9/125	1	Yellow	10
81043	Single-mode E9/125	2	Yellow	10
805800	Single-mode E9/125	3	Yellow	10
805801	Single-mode E9/125	5	Yellow	10

Plug type: SC duplex / ST

Part no.	Fibre type	Length in metres	Sheath colour	Unit
803163	Multimode G50/125 OM2	1	Orange	10
81053	Multimode G50/125 OM2	2	Orange	10
803164	Multimode G50/125 OM2	3	Orange	10
803165	Multimode G50/125 OM2	5	Orange	10
805790	Multimode G50/125 OM3	1	turquoise	10
802444	Multimode G50/125 OM3	2	turquoise	10
81055	Single-mode E9/125	2	Yellow	10
805791	Multimode G50/125 OM3	3	turquoise	10
805792	Multimode G50/125 OM3	5	turquoise	10
81054	Multimode G62.5/125	2	Orange	10
805793	Single-mode E9/125	1	Yellow	10
805794	Single-mode E9/125	3	Yellow	10
805795	Single-mode E9/125	5	Yellow	10

Plug type: SC duplex / SC duplex

Part no.	Fibre type	Length in metres	Sheath colour	Unit
803162	Multimode G50/125 OM2	1	Orange	10
81050	Multimode G50/125 OM2	2	Orange	10
805078	Multimode G50/125 OM3	1	turquoise	10
802443	Multimode G50/125 OM3	2	turquoise	10
805079	Multimode G50/125 OM3	3	turquoise	10
805712	Multimode G50/125 OM3	5	turquoise	10
81051	Multimode G62.5/125	2	Orange	10
800423	Single-mode E9/125	1	Yellow	10
81052	Single-mode E9/125	2	Yellow	10
800424	Single-mode E9/125	3	Yellow	10
805715	Single-mode E9/125	5	Yellow	10

HELUKABEL®

Fibre Optic Connecting Technics

Plug type: LC duplex / LC duplex
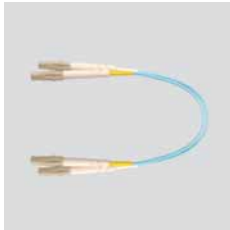
Part no.	Fibre type	Length in metres	Sheath colour	Unit
803166	Multimode G50/125 OM2	1	Orange	10
802447	Multimode G50/125 OM2	2	Orange	10
803167	Multimode G50/125 OM2	3	Orange	10
803168	Multimode G50/125 OM2	5	Orange	10
805076	Multimode G50/125 OM3	1	turquoise	10
802445	Multimode G50/125 OM3	2	turquoise	10
805077	Multimode G50/125 OM3	3	turquoise	10
805714	Multimode G50/125 OM3	5	turquoise	10
802449	Multimode G62.5/125	2	Orange	10
805045	Single-mode E9/125	1	Yellow	10
802451	Single-mode E9/125	2	Yellow	10
805046	Single-mode E9/125	3	Yellow	10
805717	Single-mode E9/125	5	Yellow	10

Plug type: LC duplex / ST

Part no.	Fibre type	Length in metres	Sheath colour	Unit
803171	Multimode G50/125 OM2	1	Orange	10
803172	Multimode G50/125 OM2	3	Orange	10
803173	Multimode G50/125 OM2	5	Orange	10
805802	Multimode G50/125 OM3	1	turquoise	10
803174	Multimode G50/125 OM3	2	turquoise	10
805804	Multimode G50/125 OM3	3	turquoise	10
805803	Multimode G50/125 OM3	5	turquoise	10
803175	Multimode G62.5/125	2	Orange	10
805805	Single-mode E9/125	1	Yellow	10
803176	Single-mode E9/125	2	Yellow	10
805807	Single-mode E9/125	3	Yellow	10
805806	Single-mode E9/125	5	Yellow	10

Plug type: LC duplex / SC duplex
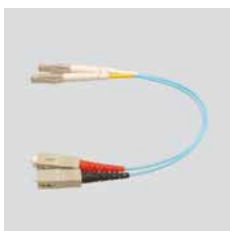
Part no.	Fibre type	Length in metres	Sheath colour	Unit
803169	Multimode G50/125 OM2	1	Orange	10
802448	Multimode G50/125 OM2	2	Orange	10
803170	Multimode G50/125 OM2	5	Orange	10
805074	Multimode G50/125 OM3	1	turquoise	10
802446	Multimode G50/125 OM3	2	turquoise	10
805075	Multimode G50/125 OM3	3	turquoise	10
805713	Multimode G50/125 OM3	5	turquoise	10
802450	Multimode G62.5/125	2	Orange	10
802482	Single-mode E9/125	1	Yellow	10
802452	Single-mode E9/125	2	Yellow	10
801836	Single-mode E9/125	3	Yellow	10
805716	Single-mode E9/125	5	Yellow	10

Dimensions and specifications may be changed without prior notice.

Application

Cable connections by HELUCOM® are used for wiring terminals.

Options

On request, different assembly variations, such as E2000, FC/PC, F-SMA or DIN, are also available.
8° or 9° diagonal cross sections are also manufactured with the corresponding plug types.

HELUKABEL®

Fibre Optic Connecting Technics

Preferred types

Part no.	Type	Unit
80307	SPLICING CASSETTE	10
81365	SPLICE HOLDER "SHRINK"	100
81364	SPLICE HOLDER "CRIMP"	100
81363	CASSETTE COVER	10
81362	SHRINK-ON SPLICE PROTECTOR	100
80309	CRIMP SPLICE PROTECTOR	100

Dimensions and specifications may be changed without prior notice.

Options

On request, we also supply special consumables that are not covered by our high-quality types.

Rubber Cable Reels

HELUCOM® Mobile Cable

Type	**Rubber cable reel with HELUCOM® fibre optic mobile cable**
Drum Equipment:	**Rubber** with supporting frame
Cable Description: sheath colour:	 Fibre-optic cable, mobile, trailing Orange
Flame proof	acc. IEC 60332-2-1
Plug System type: Protective grommet: APC version:	 office connector Plugged no
Norms and standards	Components of HELUCOM CONNECTING SYSTEMS® according actual standards. Meet the standard IEC 60794-1-2 F5 and E6. Also they realize the optical data acc. OM1, OM2 and ITU-T G.652.

Preferred types

Part no.	Fibre category	Fibre count	Plug 1	Plug 2	Cable length m
802223	Multimode G50/125	4	ST	ST	500,0
802226	Multimode G62,5/125	4	ST	ST	500,0
802229	Single-Mode E9/125	4	ST	ST	500,0
802224	Multimode G50/125	4	SC duplex	SC duplex	500,0
802227	Multimode G62,5/125	4	SC duplex	SC duplex	500,0
802230	Single-Mode E9/125	4	SC duplex	SC duplex	500,0
802225	Multimode G50/125	4	LC duplex	LC duplex	500,0
802228	Multimode G62,5/125	4	LC duplex	LC duplex	500,0
802231	Single-Mode E9/125	4	LC duplex	LC duplex	500,0

Dimensions and specifications may be changed without prior notice.

Characteristics	Rubber cable reel with 4 fibre optic jacks and fibre optic plugs. Suitable for mobile use on site, for example for meetings, TV-Transmissions, Fairs, etc.. Everywhere when there is a need for a removable cable connection. Usable for flexible and fixed installation cabling.
Options	We also can deliver other cable length, other fibre types or other types of plugs.

Fibre Optic enclosures
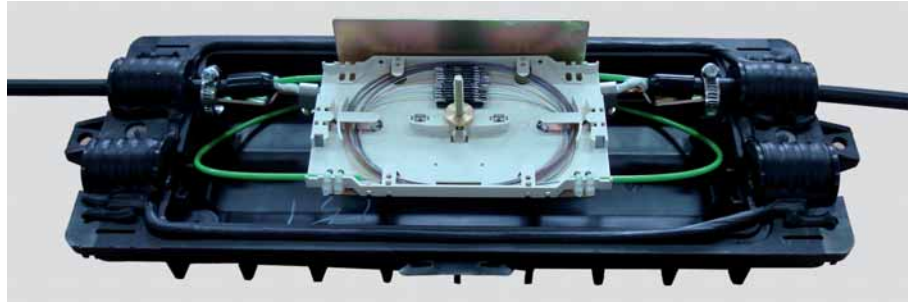
Preferred types

Part no.	Type	Unit
802936	Fibre Optic Burial Sleeve 24 Fibre capacity	1
804300	Fibre Optic Burial Sleeve 48 Fibre capacity	1

Dimensions and specifications may be changed without prior notice.

Application

This fiber optic sleeve is suitable for use with up to 48 fibers and is therefore suitable for most applications in optical distribution networks. The fiber optic sleeve is to chemical and mechanical influences in all fields of optical crosslinked, resistant. In the sleeve set are all included for the complete assembly of the sleeve parts required. The type and number of splice trays are selected according to the particular application. The joint consists of two plastic parts and mastic sealants. The wedge slide closure enables easy and fast closing the outdoor sleeve. Through the closure mechanism short installation times and simple open and closed again be made possible.

Fibre Optic enclosures

Preferred types

Part no.	Type	Unit
804301	Mast- Hood-Sleeves 48 Fibre capacity	1
804302	Mast- Hood-Sleeves 144 Fibre capacity	1

Dimensions and specifications may be changed without prior notice.

Application

Mast-, tower or hood sleeves are designed for underground laying and mounting in stacks and on masts. These types of sleeves are used in a vertical position – all ingoing and outgoing cables are feeded at the bottom. The special construction ensures a maximal protection against environmental conditions. The family of hood sleeves contains 24 to 144 shrinking splices in which max. 12 fiber optic splices lead to a hinged splice cassette. These sleeves are used in long distance data transmission and in the backbone-area of big companies. Access to single fibers is possible trough operation by the hinged splice cassettes, which ensures an undisturbed function of the cables.

Fittings for metal-free optical fibre aerial cables (ADSS)

Span length < 80 m

HELUCOM®

Suspension Fittings

Suspension rods

Application
HELUCOM® ADSS Suspension rods consisting of thimble, LG- and TG-helical rods are designed for vertical loads up to 1kN. They are used for span lengths up to 80 m approximately. The TG-suspension rods with the preformed loop is the supporting accessory. The shorter and straight LG-supporting rods are only used for stiffening the area round the suspension point. The loop of the fitting is stabilized and protected against abrasion with a ring type thimble.

Details
Designation	Material	Part no.	Unit
Suspension rod (TG) 80m/ ADSS 6L	Steel	805731	1
Supporting rod (LG) 80m/ ADSS 6L	Steel	805732	1
Thimble 80m/ ADSS 6L	Steel	805733	1

Dimensions and specifications may be changed without prior notice.

Suspension pulleys with/ without protection rods

Application
HELUCOM® ADSS Suspension pulleys are used for suspension of ADSS cables. The suspension pulleys benefit from the fact that in case of a tree falling in the span length the ADSS cable is not destroyed. This has no influence on the communication line. To avoid high compression forces at the point of contact between cable and suspension pulleys the use of protection rods is recommended.

Details
Designation	Material	Part no.	Unit
Suspension pulley ADSS 6L/ 9L	Steel	805747	1
Protection rod ADSS 6L/ 9L	Steel	805748	1

Dimensions and specifications may be changed without prior notice.

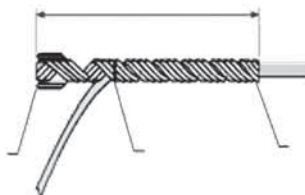### Suspension pulley with helical rod

Application
HELUCOM® ADSS Suspension pulleys with helical rods are used for suspension of ADSS cables. They are designed for span lengths up to 150 m approximately and tensile forces up to 2,5 kN.

Details
Designation	Material	Part no.	Unit
Suspension pulley with helical rod ADSS 6L/9L	Steel	805749	1

Dimensions and specifications may be changed without prior notice.

Tension Fittings

Helical Dead Ends

Application
HELUCOM® ADSS Helical dead ends are designed for the full tensioning of ADSS cables in short span lengths up to 80 m/ 150m. The loop of the dead end can be protected against abrasion by a thimble.
For short spans (up to approx. 80m) and small forces: The dead end is mounted on the cable starting at the black crossing mark. This leads to a long cable loop and a large bending radius of the cable. A thimble can be used in the loop of the dead end.

Details
Designation	Material	Part no.	Unit
Helical dead end (AG) ADSS 6L/9L	Steel	805751	1
Thimble ADSS 6L/9L	Steel	805752	1

Dimensions and specifications may be changed without prior notice.

HELUKABEL®

Fittings for metal-free optical fibre aerial cables (ADSS)

Span length 80 - 150 m

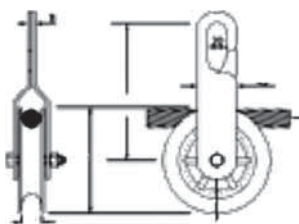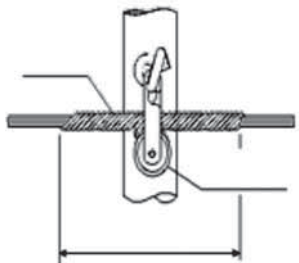**Suspension Fittings**

Suspension rods

Application

HELUCOM® ADSS Suspension rods consisting of thimble, TG- and UTA-helical rods are designed for vertical loads up to 5kN. They are used for span lengths from 80m up to 150 m. The loop of the TG-suspension rods is stabilized and protected against abrasion by a ring type thimble. Protection rods are mounted under the suspension rods to protect the ADSS cable. They reduce radial forces in the cable and increase - due to the increased bending stiffness - the bending radius of the ADSS cable.

Details

Designation	Material	Part no.	Unit
Suspension rod (TG) 150m/ ADSS 9L	Steel	**805734**	1
Supporting rod (UTA) 150m/ ADSS 9L	Steel	**805735**	1
Thimble 150m/ ADSS 9L	Steel	**805736**	1

Dimensions and specifications may be changed without prior notice.

Suspension pulleys with/ without protection rods

Application

HELUCOM® ADSS Suspension pulleys are used for suspension of ADSS cables. The suspension pulleys benefit from the fact that in case of a tree falling in the span length the ADSS cable is not destroyed. This has no influence on the communication line. To avoid high compression forces at the point of contact between cable and suspension pulleys the use of protection rods is recommended.

Details

Designation	Material	Part no.	Unit
Suspension pulley ADSS 6L/ 9L	Steel	**805747**	1
Protection rod ADSS 6L/ 9L	Steel	**805748**	1

Dimensions and specifications may be changed without prior notice.

Suspension pulley with helical rod

Application

HELUCOM® ADSS Suspension pulleys with helical rods are used for suspension of ADSS cables. They are designed for span lengths up to 150 m approximately and tensile forces up to 2,5 kN.

Details

Designation	Material	Part no.	Unit
Suspension pulley with helical rod ADSS 6L/9L	Steel	**805749**	1

Dimensions and specifications may be changed without prior notice.

Vibration damper (AVIBRA)

Application

The purpose of HELUCOM® ADSS Avibra vibration dampers is to dissipate partly the wind power input on the ADDS cable to prevent critical cable stresses. The Avibra vibration damper is composed of a helically formed plastic rod. About one fifth of the overall length of the helix is of smaller diameter. This section is used to attach the damper and provides a completely reliable grip on the ADSS cable so that the damper will not slip even on slopes. The remaining length of the helix has no close contact to the cable. Due to differential motions between ADSS cable and Avibra damper, the ADSS cable vibrations are eliminated.

Details

Designation	Material	Part no.	Unit
Vibration damper (AVIBRA) 150m/ ADSS 9L	Plastic	**805753**	1

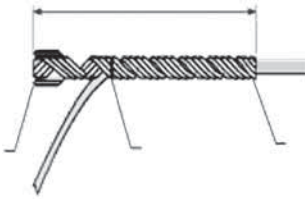Dimensions and specifications may be changed without prior notice.

HELUKABEL®

Fittings for metal-free optical fibre aerial cables (ADSS)

Span length 80 - 150 m

Tension Fittings

Helical Dead Ends

Application
HELUCOM® ADSS Helical dead ends are designed for the full tensioning of ADSS cables in short span lengths up to 80 m/ 150m. The loop of the dead end can be protected against abrasion by a thimble.
For short spans (up to approx. 80m) and small forces: The dead end is mounted on the cable starting at the black crossing mark. This leads to a long cable loop and a large bending radius of the cable. A thimble can be used in the loop of the dead end.

Details

Designation	Material	Part no.	Unit
Helical dead end (AG) ADSS 6L/9L	Steel	**805751**	1
Thimble ADSS 6L/9L	Steel	**805752**	1

Dimensions and specifications may be changed without prior notice.

Fittings for metal-free optical fibre aerial cables (ADSS)

Span length > 150 m

Suspension Fittings

LTA - Armour grip suspensions

Application
HELUCOM® ADSS armour grip suspension is used for the movable suspension of conductors and optical fibre aerial cables on suspension towers. The armour grip suspension is composed of a certain number of helically formed rods, a concave Neoprene insert consisting of two halfs and a clamp body. The helical rods are placed on the Neoprene insert at the suspension point. This centre assembly is fixed by the clamp body which due to positive locking prevents axial displacement of the conductor.

Details

Designation	Material	Part no.	Unit
Armour grip suspension (LTA) 350m/ ADSS 16L	Aluminum alloy	805756	1
Shakle (for LTA) 350m/ ADSS 16L	Steel	805757	1

Dimensions and specifications may be changed without prior notice.

Characteristics
Other Materials:
Straps: Steel, h.d.g.
Bolt: Steel, h.d.g.
Insert: Neoprene

Vibration damper (AVIBRA)

Application
The purpose of HELUCOM® ADSS Avibra vibration dampers is to dissipate partly the wind power input on the ADDS cable to prevent critical cable stresses. The Avibra vibration damper is composed of a helically formed plastic rod. About one fifth of the overall length of the helix is of smaller diameter. This section is used to attach the damper and provides a completely reliable grip on the ADSS cable so that the damper will not slip even on slopes. The remaining length of the helix has no close contact to the cable. Due to differential motions between ADSS cable and Avibra damper, the ADSS cable vibrations are eliminated.

Details

Designation	Material	Part no.	Unit
Vibration damper (AVIBRA) 350m/ ADSS 16L	Plastic	805758	1

Dimensions and specifications may be changed without prior notice.

Tension Fittings

Helical dead ends

Application
HELUCOM® ADSS helical dead ends are particulary designed for the full tensioning of metal-free optical fibre aerial cable in medium and long spans.
For long spans and high forces: The dead end is mounted on the cable starting at the red crossing mark. This leads to a short cable loop. Additional intermediate fittings for installation at the tower and a thimble are necessary. The use of protection rods is recommended. When selecting the helical dead ends the total diameter resulting out of the cable diameter plus two times the rod diameter of protection rods has to be taken into account.

Details

Designation	Material	Part no.	Unit
Helical dead end (AG) 350m/ ADSS 16L	Steel	805775	1
Thimble for helical dead end ADSS 16L	other	805776	1
Shakle (for AG) 350m/ ADSS 16L	Steel	805777	1

Dimensions and specifications may be changed without prior notice.

Fittings for metal-free optical fibre aerial cables (ADSS)

Span length > 150 m

Protection rods

Application

HELUCOM® ADSS URG-Protection rods are preferably made of steel, h.d.g. and shall protect the self supporting fibre optical aerial cables at tension sets. They are mounted beneath the helical dead end and spread the radial forces on the cable uniformly along the zone of contact. Especially on the cable at the loop-side of the helical dead end radial forces (depending on the tension force) can stress the optical part of the cable inadmissibly. This will cause high damping which results in a reduced data transmission or in the worst case an interruption.

Details

Designation	Material	Part no.	Unit
Protection rod (URG) 350m/ ADSS 16L	Steel	**805778**	1

Dimensions and specifications may be changed without prior notice.