

SHARK® Classic Series

Gel insulated joints for straight and parallel branch connections

The SHARK® Classic Series gel insulated jointing kits® allow straight and branch jointings to be made on single and multi-core low voltage cables up to 0,61/1kV.

The versions without terminal strips and separators are recommended for straight and parallel branch connections on single-core cables and for the connection and insulation of circuit boards.

The versions with separators are suitable for straight and parallel branch connections on cables with up to four cores, while the kit with the pre-assembled insulated terminal strip provides straight connections on five-core cables with double insulation.

TECHNICAL SPECIFICATIONS

- Compliant with Italian standard CEI EN 50393 for low voltage joints
- Self-extinguishing in accordance with standard EN 60695-2-11
- Low smoke and toxic gas emission in accordance with Italian standards CEI-20-37/2-1 and CEI 20-37/7
- Protection level: equivalent to IPX8 (CEI EN 60529) tested in water at a depth of one metre (IEC 50393 par. 8.6.3)
- Operating temperature: from -20°C to +90 °C
- Compliant with RoHS Directive 2002/95/CE

APPLICATIONS









- Straight and parallel branch joints on single and multi-core cables;
- In the version without separators, insulation of joints on multi-pair telecommunication cables and insulation of electronic components
- For installation in cable ducts, underground, overhead and underwater
- Public lighting systems

ADVANTAGES

- Ready to use
- Re-enterable
- No mixing or pouring of resins
- Immediate operation
- Excellent electrical insulation
- Good mechanical strength
- No expiry date

—●— SHARK® Classic Series · Gel joints
Straight connections









Single core cables

	SHARK 125	SHARK 150	SHARK 406/S
	SIZE 0	SIZE 1	SIZE 2
CONNECTION TYPE			
MAX. NO. OF CORES			
MAX. CROSS-SECTION * [mm²]	10	35	50
SEPARATORS	-	-	-
CONNECTOR/ TERMINAL BLOCK INCLUDED			optional
PROTECTION LEVEL	IPX8	IPX8	IPX8
ITEM CODE	SH0125	SH0150	SH1406

* cross sections measured using FG7 flexible cables

** MU 16/35 connector (see p. 126)

Multicore cables

	SHARK 325	SHARK 306	SHARK 406
	SIZE 1	SIZE 2	
CONNECTION TYPE			
MAX. NO. OF CORES			
MAX. CONDUCTOR SECTION * [mm²]	2.5	6	6
SEPARATORS			
CONNECTOR/ TERMINAL BLOCK INCLUDED	optional		optional
PROTECTION LEVEL	IPX8	IPX8	IPX8
ITEM CODE	SH0325	SH0306	SH0406

* cross sections measured using FG7 flexible cables

** MU 16/35 connector (see p. 126)

Gel joints · SHARK® Classic Series

Straight connections

SHARK 410/S		SHARK 416/S		SHARK 525WS	Single core cables
SIZE 3		SIZE 4		SIZE 5	
					CONNECTION TYPE
					MAX NO. OF CORES
150		240		240	MAX. CONDUCTOR CROSS-SECTION * [mm ²]
-		-		-	SEPARATORS
optional		optional**			CONNECTOR/ TERMINAL BLOCK INCLUDED
IPX8		IPX8		IPX8	PROTECTION LEVEL
SH1410		SH1416		SH0525WS	ITEM CODE







* cross-sections measured using FG7 flexible cables
 ** MU 16/35 connector (see p. 126)

SHARK 506	SHARK 410	SHARK 516	SHARK 416	SHARK 506WS	SHARK 525WS	Multicore cables
SIZE 3		SIZE 4			SIZE 5	
						CONNECTION TYPE
						MAX NO. OF CORES
6	10	16	16	6	16	MAX. CONDUCTOR SECTION * [mm ²]
						SEPARATORS
	optional		optional**			CONNECTOR/ TERMINAL BLOCK INCLUDED
IPX8	IPX8	IPX8	IPX8	IPX8	IPX8	PROTECTION LEVEL
SH0506	SH0410	SH0516	SH0416	SH0506WS	SH0525WS	ITEM CODE

* cross-sections measured using FG7 flexible cables
 ** MU 16/35 connector (see p. 126)

—●= SHARK® Classic Series · Gel joints
Parallel branch connections



Single core cables

	SHARK 125		SHARK 150	
	SIZE 0		SIZE 1	
CONNECTION TYPE				
MAX NO. OF CORES				
MAX. CONDUCTOR CROSS-SECTION * [mm²]	MAIN CABLE	BRANCH CABLE	MAIN CABLE	BRANCH CABLE
	25	10	35	25
CONNECTOR/TERMINAL BLOCK INCLUDED				
SEPARATORS	-		-	
PROTECTION LEVEL	IPX8		IPX8	
ITEM CODE	SH0125		SH0150	










* cross-sections measured using FG7 flexible cables
** MU 16/35 connector (see p. 126)

Multicore cables

Gel joints · **SHARK® Classic Series** 
Parallel branch connections

SHARK 406/S		SHARK 410/S		SHARK 416/S		Single core cables
SIZE 2		SIZE 3		SIZE 4		
						CONNECTION TYPE
						MAX NO. OF CORES
MAIN CABLE	BRANCH CABLE	MAIN CABLE	BRANCH CABLE	MAIN CABLE	BRANCH CABLE	MAX. CONDUCTOR CROSS-SECTION * [mm ²]
35	35	95	50	185	50	
optional		optional		optional		CONNECTOR/ TERMINAL BLOCK INCLUDED
-		-		-		SEPARATORS
IPX8		IPX8		IPX8		PROTECTION LEVEL
SH1406		SH1410		SH1416		ITEM CODE

* cross-sections measured using FG7 flexible cables
** MU 16/35 connector (see p. 126)

SHARK 406		SHARK 410		SHARK 416		Multicore cables
SIZE 2		SIZE 3		SIZE 4		
						CONNECTION TYPE
						MAX NO. OF CORES
MAIN CABLE	BRANCH CABLE	MAIN CABLE	BRANCH CABLE	MAIN CABLE	BRANCH CABLE	MAX. CONDUCTOR CROSS-SECTION * [mm ²]
6	2.5	10	2.5	10	10	
-		-		-		CONNECTOR/ TERMINAL BLOCK INCLUDED
						SEPARATORS
IPX8		IPX8		IPX8		PROTECTION LEVEL
SH0406		SH0410		SH0416		ITEM CODE

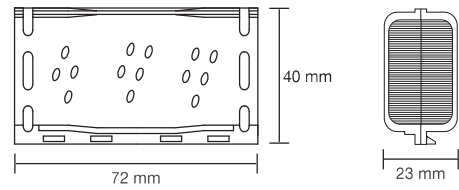
* cross-sections measured using FG7 flexible cables
** MU 16/35 connector (see p. 126)

SHARK®
GEL INSULATED JOINTS

SIZE

0

- Complies with the standard for 0.6/1 kV low voltage joints (CEI EN 50393)
- Self-extinguishing (compliant with EN 60695-2-11)
- Low smoke and toxic gas emission (compliant with CEI-20-37/2-1 and CEI 20-37/7)
- Protection level: equivalent to IPX8 (CEI EN 60529) tested in water at a depth of one metre (IEC 50393 par. 8.6.3)
- Operating temperature: from -20 to +90 °C



SHARK® 125 —●— STRAIGHT

Gel insulated joint
for **single-core cable** straight connections
U connector included

Applications

- Underground installation
- Overhead installation
- Installation in cable ducts
- Public lighting systems

Kit contents

- Joint
- Brass connector
- Allen key for tightening the connections
- Cable ties
- Installation instructions

Advantages

- Ready for use
- Re-enterable
- No pouring of resin
- Immediate operation
- Excellent electrical insulation
- Good mechanical strength
- No expiry date
- **IMQ certificate of approval** no. CA01-00297
- **RINA certificate of approval** no. ELE 153611CS

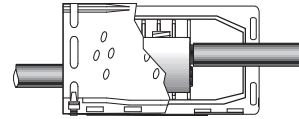


code SH0125

Application table

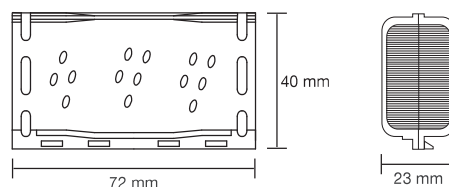
Number of cores	Conductor cross section (mm ²)	
	min	max
●	2.5	10

Cross sections measured using FG7 flexible cables



Straight joint single-core cable

- Complies with the standard for 0.6/1 kV low voltage joints (CEI EN 50393)
- Self-extinguishing (compliant with EN 60695-2-11)
- Low smoke and toxic gas emission (compliant with CEI-20-37/2-1 and CEI 20-37/7)
- Protection level: equivalent to IPX8 (CEI EN 60529) tested in water at a depth of one metre (IEC 50393 par. 8.6.3)
- Operating temperature: from -20 to +90 °C



SHARK® 125 PARALLEL

Gel insulated joint
for **single-core cable** parallel branch connections
U connector included



code SH0125

Applications


- Underground installation
- Overhead installation
- Installation in cable ducts

Kit contents

- Joint
- Brass connector
- Allen key for tightening the connections
- Cable ties
- Installation instructions

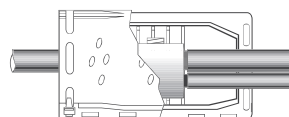
Advantages

- Ready for use
- Re-enterable
- No pouring of resin
- Immediate operation
- Branch joint **without interruption of the main cable**
- Excellent electrical insulation
- Good mechanical strength
- No expiry date
- **IMQ certificate of approval** no. CA01-00297
- **RINA certificate of approval** no. ELE 153611CS

APPLICATION TABLE				
Number of cores	Conductor cross section (mm ²)			
	min		max	
	main cable	branch cable	main cable	branch cable
	6	1.5	25 *	10 *

Cross sections measured using FG7 flexible cables

* NOTE: with 25 mm² main cable cross section, the maximum section of the branch cable is 6 mm²

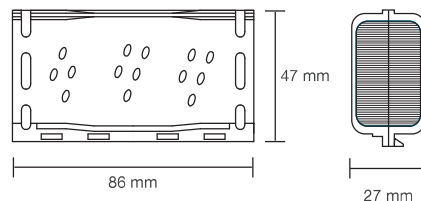


Parallel branch connection for single-core cable

SHARK®
GEL INSULATED JOINTS

SIZE
1

- Complies with the standard for 0.6/1 kV low voltage joints (CEI EN 50393)
- Self-extinguishing (compliant with EN 60695-2-11)
- Low smoke and toxic gas emission (compliant with CEI-20-37/2-1 and CEI 20-37/7)
- Protection level: equivalent to IPX8 (CEI EN 60529) tested in water at a depth of one metre (IEC 50393 par. 8.6.3)
- Operating temperature: from -20 to +90 °C



SHARK® 150 —●— STRAIGHT

Gel insulated joint for straight connection single-core cables - U connector included



code SH0150

Applications

- Underground installation
- Overhead installation
- Installation in cable ducts

Advantages

- Ready for use
- Re-enterable
- No pouring of resin
- Immediate operation
- Excellent electrical insulation
- Good mechanical strength
- No expiry date
- **IMQ certificate of approval no. CA01-00297**
- **RINA certificate of approval no. ELE 153611CS**

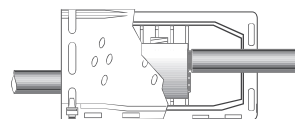
Kit contents

- Joint
- Brass connector
- Allen key for tightening the connections
- Cable ties
- Installation instructions

APPLICATION TABLE

Number of cores	Conductor cross-section (mm ²)	
	min	max
●	6	35

Cross-sections measured using FG7 flexible cables



Straight joint single-core cable



SHARK® 325 —●— STRAIGHT

Gel insulated joint for straight connection 3 core cables - 3 pole insulated terminal strip included



code SH0325

Applications

- Underground installation
- Overhead installation
- Installation in cable ducts

Advantages

- Ready for use
- Re-enterable
- No pouring of resin
- Immediate operation
- **Double insulation**
- Excellent electrical insulation
- Good mechanical strength
- No expiry date

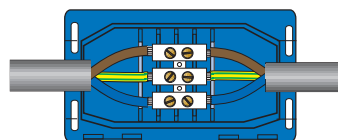
Kit contents

- Joint
- 3 pole insulated terminal block compliant with standards DIN EN 60998 and CSA/UL, with VDE marking - Current 20 A
- Cable ties
- Installation instructions

APPLICATION TABLE

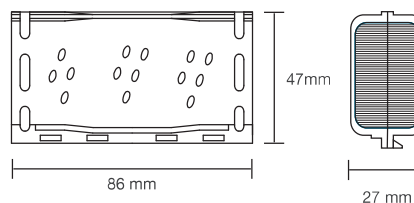
Number of cores	Conductor cross-section (mm ²)	
	min	max
●	2.5	10

Cross-sections measured using FG7 flexible cables



Straight 3 core cable joint

- Complies with the standard for 0.6/1 kV low voltage joints (CEI EN 50393)
- Self-extinguishing (compliant with EN 60695-2-11)
- Low smoke and toxic gas emission (compliant with CEI-20-37/2-1 and CEI 20-37/7)
- Protection level: equivalent to IPX8 (CEI EN 60529) tested in water at a depth of one metre (IEC 50393 par. 8.6.3)
- Operating temperature: from -20 to +90 °C



SHARK® 150 PARALLEL

Gel insulated joint for parallel branch connection single-core cables - U connector included



code SH0150

Applications

- Underground installation
- Overhead installation
- Installation in cable ducts


Kit contents

- Joint
- Brass connector
- Allen key for tightening the connections
- Cable ties
- Installation instructions

Advantages

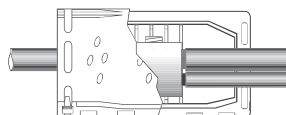
- Ready for use
- Re-enterable
- No pouring of resin
- Immediate operation
- Branch joint **without interruption of the main cable**
- Excellent electrical insulation
- Good mechanical strength
- No expiry date
- **IMQ certificate of approval** no. CA01-00297
- **RINA certificate of approval** no. ELE 153611CS

APPLICATION TABLE

Number of cores	Conductor cross section (mm ²)			
	min		max	
	main cable	branch cable	main cable	branch cable
	10	2.5	50 *	35 *

Cross sections measured using FG7 flexible cables

* NOTE: with 50 mm² main main cable sections, the maximum section of the branch cable is 6 mm²

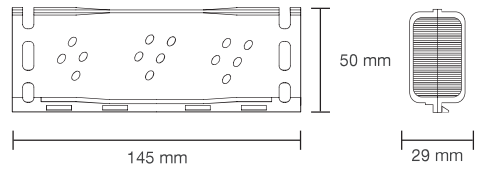


Parallel branch joint single-core cable

SHARK®
GEL INSULATED JOINTS

SIZE
2

- Complies with the standard for 0.6/1 kV low voltage joints (CEI EN 50393)
- Self-extinguishing (compliant with EN 60695-2-11)
- Low smoke and toxic gas emission (compliant with CEI-20-37/2-1 and CEI 20-37/7)
- Protection level: equivalent to IPX8 (CEI EN 60529) tested in water at a depth of one metre (IEC 50393 par. 8.6.3)
- Operating temperature: from -20 to +90 °C



SHARK® 306 STRAIGHT

Gel insulated joint for straight connection
3 core cables - 3 pole insulated terminal block included



code SH0306

Applications

- Underground installation
- Overhead installation
- Installation in cable ducts


Advantages

- Ready for use
- Re-enterable
- No pouring of resin
- Immediate operation
- Excellent electrical insulation
- **Double insulation** ensured by the 3 pole insulated terminal block
- Good mechanical strength
- No expiry date

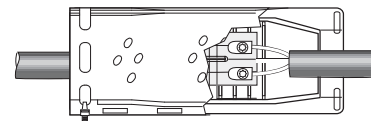
Kit contents

- Joint
- 3 pole insulated terminal block
- Allen key for tightening terminal block screws
- Cable ties
- Installation instructions

APPLICATION TABLE

Number of cores	Conductor cross section (mm ²)	
	min	max
	1.5	6

Cross sections measured using FG7 flexible cables



Straight joint three-core cable



SHARK® 406/S STRAIGHT

Gel insulated joint for straight connection
single core cables - without separators



code SH1406

Applications

- Installation underground, overhead, in cable ducts
- Insulation of joints on multi-pair telecommunication cables and insulation of electronic components


Advantages

- Ready for use
- Re-enterable
- No pouring of resin
- Immediate operation
- Excellent electrical insulation
- Good mechanical strength
- No expiry date
- **IMQ certificate of approval** no. CA01-00298
- **RINA certificate of approval** no. ELE 153611CS

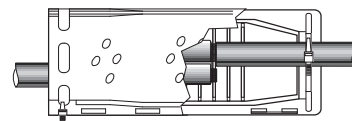
Kit contents

- Joint
- Cable ties
- Installation instructions

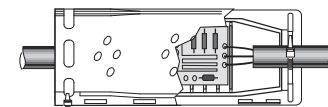
APPLICATION TABLE

Number of cores	Conductor cross section (mm ²)	
	min	max
	10	50

Cross sections measured using FG7 flexible cables

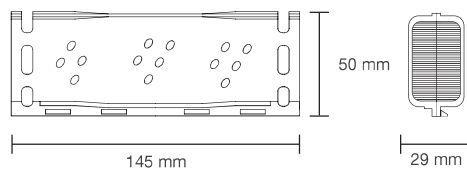


Straight joint single-core cable



Insulation of electronic components

- Complies with the standard for 0.6/1 kV low voltage joints (CEI EN 50393)
- Self-extinguishing (compliant with EN 60695-2-11)
- Low smoke and toxic gas emission (compliant with CEI-20-37/2-1 and CEI 20-37/7)
- Protection level: equivalent to IPX8 (CEI EN 60529) tested in water at a depth of one metre (IEC 50393 par. 8.6.3)
- Operating temperature: from -20 to +90 °C



SHARK® 406/S PARALLEL

Gel insulated joint for parallel branch connection single core cables - without separators



code SH1406

Applications

- Underground installation
- Overhead installation
- Installation in cable ducts


Kit contents

- Joint
- Cable ties
- Installation instructions

Advantages

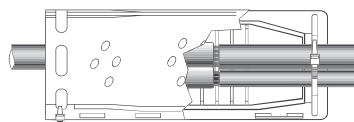
- Ready for use
- Re-enterable
- No pouring of resin
- Immediate operation
- Branch joint **without interruption of the main cable**
- Excellent electrical insulation
- Good mechanical strength
- No expiry date
- **IMQ certificate of approval** no. CA01-00297
- **RINA certificate of approval** no. ELE 153611CS

APPLICATION TABLE

Number of cores	Conductor cross section (mm ²)			
	min		max	
	main cable	branch cable	main cable	branch cable
	10	1.5	50 *	35 *

* NOTE: 1923

Cross sections measured using FG7 flexible cables

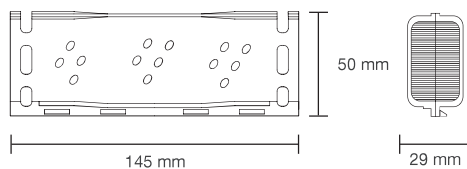


Parallel branch joint single-core cable

SHARK®
GEL INSULATED JOINTS

SIZE
2

- Complies with the standard for 0.6/1 kV low voltage joints (CEI EN 50393)
- Self-extinguishing (compliant with EN 60695-2-11)
- Low smoke and toxic gas emission (compliant with CEI-20-37/2-1 and CEI 20-37/7)
- Protection level: equivalent to IPX8 (CEI EN 60529) tested in water at a depth of one metre (IEC 50393 par. 8.6.3)
- Operating temperature: from -20 to +90 °C



SHARK® 406 STRAIGHT

Gel insulated joint for straight connection cables up to 4 cores - separators included



code SH0406

Applications

- Underground installation
- Overhead installation
- Installation in cable ducts



Kit contents

- Joint
- **Separators**
- Cable ties
- Installation instructions

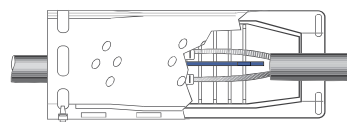
Advantages

- Ready for use
- Re-enterable
- No pouring of resin
- Immediate operation
- Excellent electrical insulation
- Good mechanical strength
- The separators ensure that the cable is locked in the joint and allow the use of 4 uninsulated connectors with no need for offset installation
- No expiry date
- **IMQ certificate of approval** no. CA01-00298
- **RINA certificate of approval** no. ELE 153611CS

APPLICATION TABLE

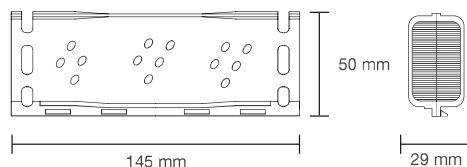
Number of cores	Conductor cross section (mm ²)	
	min	max
	1.5	6
		

Cross sections measured using FG7 flexible cables



Straight joints multicore cable

- Complies with the standard for 0.6/1 kV low voltage joints (CEI EN 50393)
- Self-extinguishing (compliant with EN 60695-2-11)
- Low smoke and toxic gas emission (compliant with CEI-20-37/2-1 and CEI 20-37/7)
- Protection level: equivalent to IPX8 (CEI EN 60529) tested in water at a depth of one metre (IEC 50393 par. 8.6.3)
- Operating temperature: from -20 to +90 °C



SHARK® 406 PARALLEL

Gel insulated joint for parallel branch connection cables up to 4 cores - separators included



code SH0406

Applications


- Underground installation
- Overhead installation
- Installation in cable ducts

Kit contents

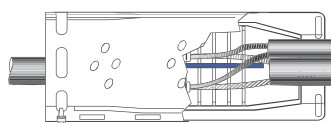
- Joint
- **Separators**
- Cable ties
- Installation instructions

Advantages

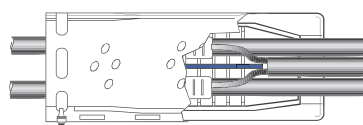
- Ready for use
- Re-enterable
- No pouring of resin
- Immediate operation
- Excellent electrical insulation
- Good mechanical strength
- The separators ensure that the cable is locked in the joint and allow the use of 4 uninsulated connectors with no need for offset installation
- No expiry date
- **IMQ certificate of approval** no. CA01-00298
- **RINA certificate of approval** no. ELE 153611CS

APPLICATION TABLE				
Number of cores	Conductor cross section (mm ²)			
	min		max	
	main cable	branch cable	main cable	branch cable
	1.5	1.5	6	2.5

Cross sections measured using FG7 flexible cables



Branch joint on a multicore cable with a multicore branch. Conductors are separated and insulated by a fixed panel.

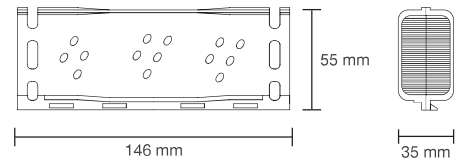


Branch joint between two single-core cables and a two-core cable. Solution recommended for installations in tunnels when a two-core cable is derived from two parallel main cables to supply lighting.

SHARK®
GEL INSULATED JOINTS

SIZE
3

- Complies with the standard for 0.6/1 kV low voltage joints (CEI EN 50393)
- Self-extinguishing (compliant with EN 60695-2-11)
- Low smoke and toxic gas emission (compliant with CEI-20-37/2-1 and CEI 20-37/7)
- Protection level: equivalent to IPX8 (CEI EN 60529) tested in water at a depth of one metre (IEC 50393 par. 8.6.3)
- Operating temperature: from -20 to +90 °C



SHARK® 506 — STRAIGHT

Gel insulated joint for straight connection cables up to 5 cores - 5 pole insulated terminal block included



code SH0506

Applications

- Underground installation
- Overhead installation
- Installation in cable ducts

Kit contents

- Joint
- **5 pole insulated terminal block**
- Allen key for tightening terminal block screws
- Cable ties
- Installation instructions

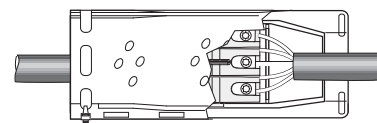
Advantages

- Ready for use
- Re-enterable
- No pouring of resin
- Immediate operation
- Excellent electrical insulation
- Double insulation ensured by the 5 pole insulated terminal block
- Good mechanical strength
- No expiry date

APPLICATION TABLE

Number of cores	Conductor cross section (mm ²)	
	min	max
	1.5	6

Cross sections measured using FG7 flexible cables



Straight joint five-pole cable



SHARK® 410/S — STRAIGHT

Gel insulated joint for straight connection single core cables - without separators



code SH1410

Applications

- Installation underground, overhead, in cable ducts
- Insulation of joints on multi-pair telecommunication cables and insulation of electronic components

Kit contents

- Joint
- Cable ties
- Installation instructions

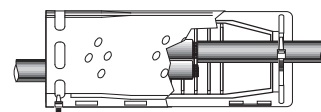
Advantages

- Ready for use
- Re-enterable
- No pouring of resin
- Immediate operation
- Excellent electrical insulation
- Good mechanical strength
- No expiry date
- **IMQ certificate of approval** no. CA01-00298
- **RINA certificate of approval** no. ELE 153611CS

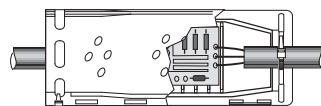
APPLICATION TABLE

Number of cores	Conductor cross section (mm ²)	
	min	max
	70	150

Cross sections measured using FG7 flexible cables

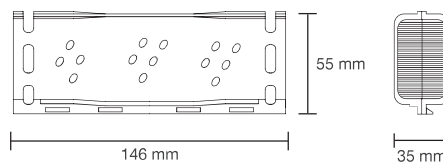


Straight joint single-core cable



Insulation of electronic components

- Complies with the standard for 0.6/1 kV low voltage joints (CEI EN 50393)
- Self-extinguishing (compliant with EN 60695-2-11)
- Low smoke and toxic gas emission (compliant with CEI-20-37/2-1 and CEI 20-37/7)
- Protection level: equivalent to IPX8 (CEI EN 60529) tested in water at a depth of one metre (IEC 50393 par. 8.6.3)
- Operating temperature: from -20 to +90 °C



SHARK® 410/S PARALLEL

Gel insulated joint for parallel branch connection
single core cables - without separators



code SH1410

Applications


- Underground installation
- Overhead installation
- Installation in cable ducts

Kit contents

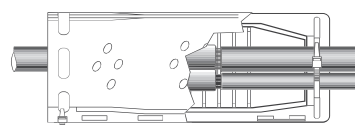
- Joint
- Cable ties
- Installation instructions

Advantages

- Ready for use
- Re-enterable
- No pouring of resin
- Immediate operation
- Branch joint **without interruption of the main cable**
- Excellent electrical insulation
- Good mechanical strength
- No expiry date
- **IMQ certificate of approval** no. CA01-00298
- **RINA certificate of approval** no. ELE 153611CS

APPLICATION TABLE				
Number of cores	Conductor cross section (mm ²)			
	min		max	
	main cable	branch cable	main cable	branch cable
	35	16	95	50

Cross sections measured using FG7 flexible cables

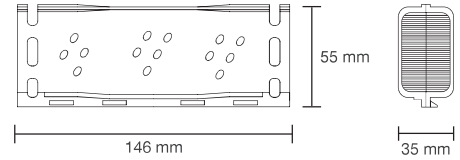


Parallel branch joint single-core cable

SHARK®
GEL INSULATED JOINTS

SIZE
3

- Complies with the standard for 0.6/1 kV low voltage joints (CEI EN 50393)
- Self-extinguishing (compliant with EN 60695-2-11)
- Low smoke and toxic gas emission (compliant with CEI-20-37/2-1 and CEI 20-37/7)
- Protection level: equivalent to IPX8 (CEI EN 60529) tested in water at a depth of one metre (IEC 50393 par. 8.6.3)
- Operating temperature: from -20 to +90 °C



SHARK® 410 — STRAIGHT

Gel insulated joint for straight connection cables up to 4 cores - separators included



code SH0410

Applications

- Underground installation
- Overhead installation
- Installation in cable ducts

Kit contents

- Joint
- Separators
- Cable ties
- Installation instructions

Advantages

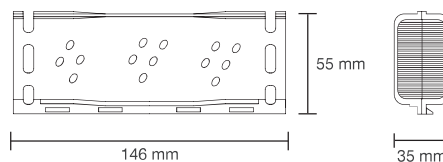
- Ready for use
- Re-enterable
- No pouring of resin
- Immediate operation
- Excellent electrical insulation
- Good mechanical strength
- The separators ensure that the cable is locked in the joint and allow the use of 4 uninsulated connectors with no need for offset installation
- No expiry date
- **IMQ certificate of approval** no. CA01-00298
- **RINA certificate of approval** no. ELE 153611CS

APPLICATION TABLE

Number of cores	Conductor cross section (mm ²)	
	min	max
	2,5	10

Cross sections measured using FG7 flexible cables

- Complies with the standard for 0.6/1 kV low voltage joints (CEI EN 50393)
- Self-extinguishing (compliant with EN 60695-2-11)
- Low smoke and toxic gas emission (compliant with CEI-20-37/2-1 and CEI 20-37/7)
- Protection level: equivalent to IPX8 (CEI EN 60529) tested in water at a depth of one metre (IEC 50393 par. 8.6.3)
- Operating temperature: from -20 to +90 °C



SHARK® 410 PARALLEL

Gel insulated joint for parallel branch connection cables up to 4 cores - separators included



code SH0410

Applications

- Underground installation
- Overhead installation
- Installation in cable ducts


Kit contents

- Joint
- **Separators**
- Cable ties
- Installation instructions

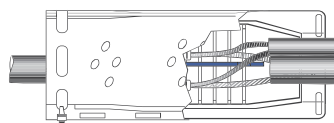
Advantages

- Ready for use
- Re-enterable
- No pouring of resin
- Immediate operation
- Excellent electrical insulation
- Good mechanical strength
- The separators ensure that the cable is locked in the joint and allow the use of 4 uninsulated connectors with no need for offset installation
- No expiry date
- **IMQ certificate of approval** no. CA01-00298
- **RINA certificate of approval** no. ELE 153611CS

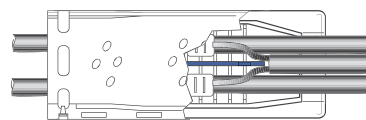
APPLICATION TABLE

Number of cores	Conductor cross section (mm ²)			
	min		max	
	main cable	branch cable	main cable	branch cable
	2,5	1,5	10	2,5

Cross sections measured using FG7 flexible cables



Branch joint on a multicore cable with a multicore branch. The conductors are separated and insulated by a fixed panel.

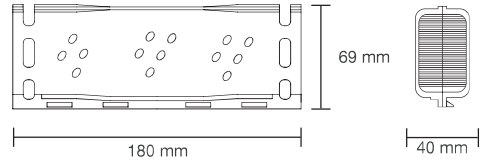


Branch joint between two single-core cables and a two-core cable. Solution recommended for installations in tunnels when a two-core cable is branched off from two parallel main cables to supply lighting.

SHARK®
GEL INSULATED JOINTS

SIZE
4

- Complies with the standard for 0.6/1 kV low voltage joints (CEI EN 50393)
- Self-extinguishing (compliant with EN 60695-2-11)
- Low smoke and toxic gas emission (compliant with CEI-20-37/2-1 and CEI 20-37/7)
- Protection level: equivalent to IPX8 (CEI EN 60529) tested in water at a depth of one metre (IEC 50393 par. 8.6.3)
- Operating temperature: from -20 to +90 °C



SHARK® 516 — STRAIGHT

Gel insulated joint for straight connection cables up to 5 cores - 5 pole insulated terminal block included



Code SH0516

Applications

- Underground installation
- Overhead installation
- Installation in cable ducts

Kit contents

- Joint
- 5 pole insulated terminal block
- Allen key for tightening terminal block screws
- Cable ties
- Installation instructions

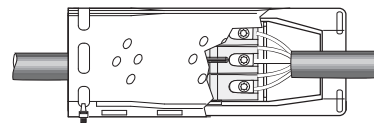
Advantages

- Ready for use
- Re-enterable
- No pouring of resin
- Immediate operation
- Excellent electrical insulation
- Double insulation ensured by the 5 pole insulated terminal block
- Good mechanical strength
- No expiry date

APPLICATION TABLE

Number of cores	Conductor cross section (mm ²)	
	min	max
	6	16

Cross sections measured using FG7 flexible cables



Straight joint five-pole cable



SHARK® 416/S — STRAIGHT

Gel insulated joint for straight connection single core cables - without separators



code SH1416

Applications

- Installation underground, overhead, in cable ducts
- Insulation of joints on multi-pair telecommunication cables and insulation of electronic components

Kit contents

- Joint
- Cable ties
- Installation instructions

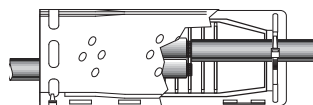
Advantages

- Ready for use
- Re-enterable
- No pouring of resin
- Immediate operation
- Excellent electrical insulation
- Good mechanical strength
- No expiry date
- **IMQ certificate of approval** no. CA01-00298
- **RINA certificate of approval** no. ELE 153611CS

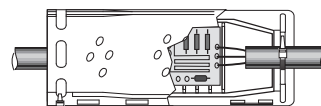
APPLICATION TABLE

Number of cores	Conductor cross section (mm ²)	
	min	max
	95	240

Cross sections measured using FG7 flexible cables

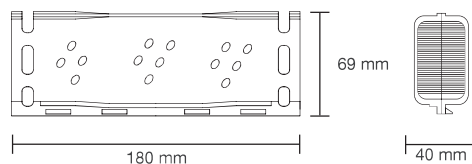


Straight joint single-core cable



Insulation of electronic components

- Complies with the standard for 0.6/1 kV low voltage joints (CEI EN 50393)
- Self-extinguishing (compliant with EN 60695-2-11)
- Low smoke and toxic gas emission (compliant with CEI-20-37/2-1 and CEI 20-37/7)
- Protection level: equivalent to IPX8 (CEI EN 60529) tested in water at a depth of one metre (IEC 50393 par. 8.6.3)
- Operating temperature: from -20 to +90 °C



SHARK® 416/S PARALLEL

Gel insulated joint for parallel branch connection single core cables - without separators



code SH1416

Applications


- Underground installation
- Overhead installation
- Installation in cable ducts

Kit contents

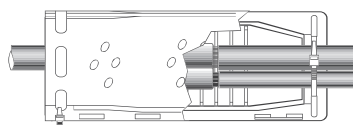
- Joint
- Cable ties
- Installation instructions

Advantages

- Ready for use
- Re-enterable
- No pouring of resin
- Immediate operation
- Branch joint **without interruption of the main cable**
- Excellent electrical insulation
- Good mechanical strength
- No expiry date
- **IMQ certificate of approval** no. CA01-00298
- **RINA certificate of approval** no. ELE 153611CS

APPLICATION TABLE				
number of cores	Conductor cross section (mm ²)			
	min		max	
	main cable	branch cable	main cable	branch cable
	95	16	185	50

Cross sections measured using FG7 flexible cables

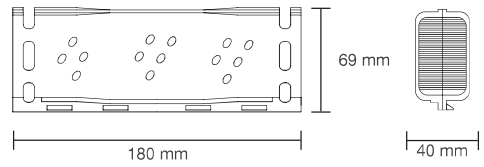


Parallel branch joint single-core cable

SHARK®
GEL INSULATED JOINTS

SIZE
4

- Complies with the standard for 0.6/1 kV low voltage joints (CEI EN 50393)
- Self-extinguishing (compliant with EN 60695-2-11)
- Low smoke and toxic gas emission (compliant with CEI-20-37/2-1 and CEI 20-37/7)
- Protection level: equivalent to IPX8 (CEI EN 60529) tested in water at a depth of one metre (IEC 50393 par. 8.6.3)
- Operating temperature: from -20 to +90 °C



SHARK® 416 — STRAIGHT

Gel insulated joint for straight connection cables up to 4 cores - separators included



code SH0416

Applications

- Underground installation
- Overhead installation
- Installation in cable ducts

Kit contents

- Joint
- Separators
- Cable ties
- Installation instructions

Advantages

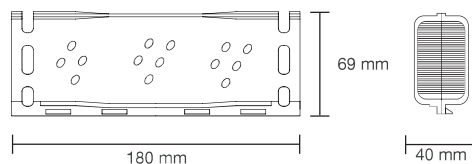
- Ready for use
- Re-enterable
- No pouring of resin
- Immediate operation
- Excellent electrical insulation
- Good mechanical strength
- The separators ensure that the cable is locked in the joint and allow the use of 4 uninsulated connectors with no need for offset installation
- No expiry date
- **IMQ certificate of approval** no. CA01-00298
- **RINA certificate of approval** no. ELE 153611CS

APPLICATION TABLE

Number of cores	Conductor cross section (mm ²)	
	min	max
	4	16

Cross sections measured using FG7 flexible cables

- Complies with the standard for 0.6/1 kV low voltage joints (CEI EN 50393)
- Self-extinguishing (compliant with EN 60695-2-11)
- Low smoke and toxic gas emission (compliant with CEI-20-37/2-1 and CEI 20-37/7)
- Protection level: equivalent to IPX8 (CEI EN 60529) tested in water at a depth of one metre (IEC 50393 par. 8.6.3)
- Operating temperature: from -20 to +90 °C



SHARK® 416 PARALLEL

Gel insulated joint for parallel branch connection cables up to 4 cores - separators included



code SH0416

Applications

- Underground installation
- Overhead installation
- Installation in cable ducts


Kit contents

- Joint
- **Separators**
- Cable ties
- Installation instructions

Advantages

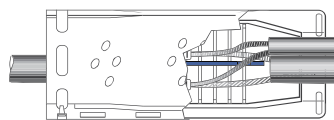
- Ready for use
- Re-enterable
- No pouring of resin
- Immediate operation
- Excellent electrical insulation
- Good mechanical strength
- The separators ensure that the cable is locked in the joint and allow the use of 4 uninsulated connectors with no need for offset installation
- No expiry date
- **IMQ certificate of approval** no. CA01-00298
- **RINA certificate of approval** no. ELE 153611CS

APPLICATION TABLE

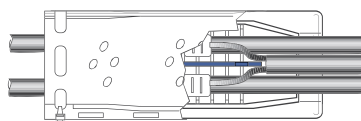
Number of cores	Conductor cross section (mm ²)			
	min		max	
	main cable	branch cable	main cable	branch cable
	4	1.5	16 *	10 *

* NOTE: With main cable section of 16 mm², the maximum section of the branch cable is 4 mm²

Cross sections measured using FG7 flexible cables



Branch joint on a multicore cable with a multicore branch. The conductors are separated and insulated by a fixed panel.

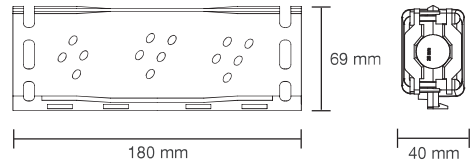


Branch joint between two single-core cables and a two-core cable. Solution recommended for installations in tunnels when a two-core cable is branched off from two parallel main cables to supply lighting.

SHARK®
GEL INSULATED JOINTS

SIZE
4

- Complies with the standard for 0.6/1 kV low voltage joints (CEI EN 50393)
- Self-extinguishing (compliant with EN 60695-2-11)
- Low smoke and toxic gas emission (compliant with CEI-20-37/2-1 and CEI 20-37/7)
- Protection level: equivalent to IPX8 (CEI EN 60529) tested in water at a depth of one metre (IEC 50393 par. 8.6.3)
- Operating temperature: from -20 to +90 °C



SHARK® 506WS —●— STRAIGHT

Gel insulated joint for straight connections cables up to 5 cores
5 pole insulated terminal block
and cable strain relief system included



code SH0506WS

Applications

- Underground installation
- Overhead installation
- Installation in cable ducts

Advantages

- Ready for use
- Re-enterable
- No pouring of resin
- Immediate operation
- Excellent electrical insulation
- Double insulation ensured by the 5 pole insulated terminal block
- Good mechanical strength
- No expiry date

Kit contents

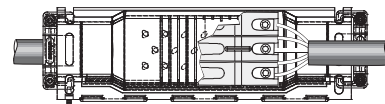
- Joint
- 5 pole insulated terminal block
- Allen key for tightening terminal block screws
- Cable strain relief system
- Cable ties
- Installation instructions

APPLICATION TABLE

Number of cores	Conductor cross-section (mm ²)	
	min	max
	95 *	240 *
	1.5	6

*Cross-sections measured using FG7 flexible cables * without using the terminal strip*

Maximum cable diameter: 28 mm

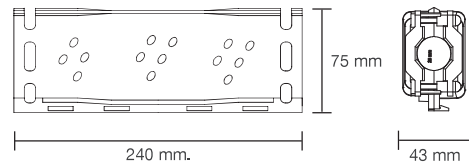


Straight joint five-core cable



Cable strain relief system

- Complies with the standard for 0.6/1 kV low voltage joints (CEI EN 50393)
- Self-extinguishing (compliant with EN 60695-2-11)
- Low smoke and toxic gas emission (compliant with CEI-20-37/2-1 and CEI 20-37/7)
- Protection level: equivalent to IPX8 (CEI EN 60529) tested in water at a depth of one metre (IEC 50393 par. 8.6.3)
- Operating temperature: from -20 to +90 °C



SHARK® 525WS **—●—** STRAIGHT

Gel insulated joint for straight connections cables up to 5 cores
5 pole insulated terminal block
and cable strain relief system included



code **SH0525WS**

Applications

- Underground installation
- Overhead installation
- Installation in cable ducts

Kit contents

- Joint
- 5 pole insulated terminal block
- Allen key for tightening terminal block screws
- Cable strain relief system
- Cable ties
- Installation instructions

Advantages

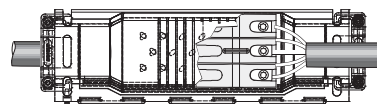
- Ready for use
- Re-enterable
- No pouring of resin
- Immediate operation
- Excellent electrical insulation
- Double insulation ensured by the 5 pole insulated terminal block
- Good mechanical strength
- No expiry date

APPLICATION TABLE

Number of cores	Conductor cross section (mm ²)	
	min	max
	95 *	240 *
	6	25

*Cross sections measured using FG7 flexible cables * without using the terminal strip*

Maximum cable diameter: 29 mm



Straight joint five-core cable



Cable strain relief system

