



SHARK[®] Classic Series Gel insulated joints for straight connections

SHARK[®] Classic Series gel insulated joints can be used to make straight connections on 0.6/1 kV single or multicore low voltage cables with up to five cores.

Thanks to the greater space available inside the joint, the **versions without terminal blocks** are suitable for straight connection of single-core cables, and for the connection and insulation of electronic boards and components.

The **versions with terminal block** allow straight connection with double insulation of cables with up to five cores and are available upon request with tin-plated aluminium connectors for copper-copper, aluminium-aluminum, and copper-aluminium connections.

Technical specifications

- Compliant with CEI EN 50393 standard for low voltage joints
- Self-extinguishing in accordance with EN 60695-2-11 standard
- Low smoke and toxic gas emission in accordance with CEI 20-37/2-1 and CEI 20-37/4 standards
- Protection degree: equivalent to IPX8 (CEI EN 60529) tested in water at a depth of one metre (CEI EN 50393 par. 8.6.3)
- No accidental contact with live parts: the cable ties supplied prevent the reopening of the joint without the use of tools, as required by IEC 60364 standard
- Operating temperature: -20 °C to 90 °C
- Compliant with directive 2011/65/UE (RoHS 2)



LOW VOLTAGE

Applications

- Straight connections of single and multicore cables with up to 5 cores
- Versions without terminal blocks: insulation of connections on multi-paired telecommunications cables and insulation of electronic boards and components
- Installation in cable ducts, underground, overhead, or underwater
- Street lighting systems

NEV

Advantages

- Ready to use
- Re-enterable
- No resin mixing and casting
- Usable immediately
- Excellent electrical insulation
- Good mechanical resistance
- No expiry date
- 6 sizes and 12 versions for use with a wide range of cables



Versions with terminal block are available upon request with tin-plated aluminium connectors for copper-copper, aluminium-aluminum and copper-aluminium connections

Examples of application



Shark 315 - Shark 325 Straight connection on three-core cables with insulated three-pole terminal block



Shark 506 - 516 Straight connection on five-core cables with five-pole insulated terminal block







SHARK[°] Classic Series • Gel joints

Straight connections							
			SIN	I gle-core Cables	Μ	ULTICORE CABLES	
SIZE	ITEM	CONNECTOR/ TERMINAL BLOCK/ ACCESSORIES	CORES	CONDUCTOR CROSS-SECTION MIN – MAX [mm²]	MAX CORES	CONDUCTOR CROSS-SECTION MIN – MAX [mm²]	CODE
SIZE	SHARK 125		۲	2.5 – 10			SH0125
0	SHARK 315	I I I I I I I I I I I I I I I I I I I				0.5 – 1.5	SH0315BL
SIZE	SHARK 150		۲	6 – 35			SH0150
1	SHARK 325	IT I				0.5 – 2.5	SH0325
SIZE	SHARK 306	(F)			۲	1.5 – 6	SH0306
2	SHARK 406/S	_	۲	10 – 50			SH1406
SIZE	SHARK 506				۲	1.5 – 6	SH0506
3	SHARK 410/S	_	۲	70 – 150			SH1410
	SHARK 516				۲	6 – 16	SH0516
SIZE 4	SHARK 416/S		۲	95 – 240			SH1416
	SHARK 506WS		۲	95 – 240 *	۲	1.5 – 6	SH0506WS
SIZE 5	SHARK 525WS		۲	95 – 240 *	۲	6 – 25	SH0525WS

NOTES: * SHARK 506WS - 525WS: without use of terminal block











- Compliant with CEI 50393 standard for low voltage joints 0.6/1 kV
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- Low smoke and toxic gas emission in accordance with CEI 20-37/2-1 and CEI 20-37/4 standards
- Protection degree: equivalent to IPX8 (CEI EN 60529) tested in water at a depth of one metre (CEI EN 50393 par. 8.6.3)
- Operating temperature: -20 °C to 90 °C
- Compliant with directive 2011/65/UE (RoHS 2)





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Applications

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

Advantages

- Ready to use
- Re-enterable
- No gel or resin to cast
- Usable immediately
- Excellent electrical insulation
- Good mechanical resistance
- No accidental access to live parts
- No expiry date



Shark 125



Gel joint Straight connections Single-core cables Single-pole connector included





- IMQ approved (cert. no. CA01-00297)
- RINA approved (cert. no. ELE 153611CS)

Kit contents

- Joint with gel size 0
- Brass connector
- Allen key
- Cable ties
- Assembly instructions

Table of use

Straight connections

Cores	Conductor cross-section (mm ²)		
00.05	min	max	
۲	2.5	10	



Straight connection on single-core cables





Shark 315

code SH0315BL

Gel joint Straight connections Three-core cables Insulated three-pole terminal block included

Double insulation

Kit contents

- Joint with gel size 0
- Indirect contact insulated three-pole terminal block with conductor protection blades for narrow cross-section cables



Assembly instructions

Table of use

Cores	Conductor cross-section (mm ²)		
0105	min	max	
	0.5	1.5	



Straight connection on three-core cables with three-pole insulated terminal block



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- Compliant with CEI 50393 standard for low voltage joints 0.6/1 kV
- Self-extinguishing in accordance with EN 60695-2-11 standard
- Low smoke and toxic gas emission in accordance with CEI 20-37/2-1 and CEI 20-37/4 standards
- Protection degree: equivalent to IPX8 (CEI EN 60529) tested in water at a depth of one metre (CEI EN 50393 par. 8.6.3)
- Operating temperature: -20 °C to 90 °C
- Compliant with directive 2011/65/UE (RoHS 2)





[mm]

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

Advantages

- Ready to use
- Re-enterable
- No gel or resin to cast
- Usable immediately
- Excellent electrical insulation
- Good mechanical resistance
- No accidental access to live parts
- No expiry date



Shark 150

code SH0150

Gel joint Straight connections Single-core cables Single-core connector included

- IMQ approved (cert. no. CA01-00297)
- RINA approved (cert. no. ELE 153611CS)

Kit contents

- Joint with gel size 1
- Brass connector
- Allen key
- Cable ties
- Assembly instructions

Table of use

Straight connections

Cores	Conductor cross-section (mm ²)		
	min	max	
•	6	35	



Straight connection on single-core cables







Shark 325

code SH0325

Gel joint Straight connections Three-core cables Three-pole insulated terminal block included

Double insulation

Kit contents

- Joint with gel size 1
- Three-pole insulated terminal block VDE label compliant with DIN EN 60998 and CSA/UL standards -Current 20 A
- Cable ties
- Assembly instructions

Table of use





Straight connection on three-core cables with three-pole insulated terminal block







· Compliant with CEI 50393 standard for low voltage joints 0.6/1 kV

SIZE

- Self-extinguishing in accordance with EN 60695-2-11 standard
- Low smoke and toxic gas emission in accordance with CEI 20-37/2-1 and CEI 20-37/4 standards
- Protection degree: equivalent to IPX8 (CEI EN 60529) tested in water at a depth of one metre (CEI EN 50393 par. 8.6.3)
- Operating temperature: -20 °C to 90 °C
- Compliant with directive 2011/65/UE (RoHS 2)



Applications

- Underground installation
- Overhead installation
- Installation in cable ducts

Advantages

- Ready to use
- Re-enterable
- No gel or resin to cast
- Usable immediately
- Excellent electrical insulation
- Good mechanical resistance
- No accidental access to live parts
- No expiry date



Shark 306

code SH0306

Gel joint Straight connections Three-core cables Three-pole insulated terminal block included

Double insulation

Kit contents

- Joint with gel size 2
- Three-pole insulated terminal block and Allen key
- Cable ties
- Assembly instructions

Table of use

Straight connections

Cores	Conductor cross-section (mm ²)		
	min	max	
٢	1.5	6	

Available on request with terminal block suitable for copper-copper, aluminium-aluminum, and copper-aluminium connections



Straight connection on three-core cables with insulated terminal block



Shark 406/S

code SH1406

Gel joint Straight connections Single-core cables ^{Without cores separator}

• IMQ approved (cert. no. CA01-00298)

- RINA approved (cert. no. ELE 153611CS)
- Thanks to the greater space inside the joint, it can be used on wide cross-section cables and/or for the insulation of electronic boards and components

Kit contents

- Joint with gel size 2
- Cable ties
- Assembly instructions

Table of use

Straight connections

Cores	Conductor cross-section (mm ²)	
	min	max
۲	10	50



Straight connection on single-core cable



Insulation of electronic components



















SHARK GEL INSULATED JOINTS



SIZE

- joints 0.6/1 kV
- Self-extinguishing in accordance with EN 60695-2-11 standard
- Low smoke and toxic gas emission in accordance with CEI 20-37/2-1 and CEI 20-37/4 standards
- Protection degree: equivalent to IPX8 (CEI EN 60529) tested in water at a depth of one metre (CEI EN 50393 par. 8.6.3)
- Operating temperature: -20 °C to 90 °C
- Compliant with directive 2011/65/UE (RoHS 2)



Applications

- Underground installation
- Overhead installation
- Installation in cable ducts

Advantages

- Ready to use
- Re-enterable
- No gel or resin to cast
- Usable immediately
- Excellent electrical insulation
- Good mechanical resistance
- No accidental access to live parts
- No expiry date



Shark 506

code SH0506

Gel joint Straight connections Five-core cables Five-pole insulated terminal block included



ICE

Watch the video

Double insulation

Kit contents

- Joint with gel size 3
- Five-pole insulated terminal block and Allen key
- Cable ties
- Assembly instructions

Table of use

Straight connections

Max cores	Conductor cross-section (mm ²)	
	min	max
۲	1.5	6

Available on request with tin-plated aluminium terminal block suitable for copper-copper, aluminium-aluminum, and copper-aluminium connections



Straight connection on five-core cables with insulated terminal block



LOW VOLTAGE



Shark 410/S

code SH1410

Gel joint Straight connections Single-core cables Without cores separator



CE

- IMQ approved (cert. no. CA01-00298)
- RINA approved (cert. no. ELE 153611CS)
- Thanks to the greater space inside the joint, it can be used on wide cross-section cables and/or for the insulation of electronic boards and components

Kit contents

- Joint with gel size 3
- Cable ties
- Assembly instructions

Table of use

Straight connections

Cores	Conductor cross-section (mm ²)		
	min	max	
	70	150	



Straight connection on single-core cable



Insulation of electronic components









- Compliant with CEI 50393 standard for low voltage joints 0.6/1 kV
- Self-extinguishing in accordance with EN 60695-2-11 standard
- Low smoke and toxic gas emission in accordance with CEI 20-37/2-1 and CEI 20-37/4 standards
- Protection degree: equivalent to IPX8 (CEI EN 60529) tested in water at a depth of one metre (CEI EN 50393 par. 8.6.3)
- Operating temperature: -20 °C to 90 °C
- Compliant with directive 2011/65/UE (RoHS 2)



- Underground installation
- Overhead installation
- Installation in cable ducts

Advantages

- Ready to use
- Re-enterable
- No gel or resin to cast
- Usable immediately
- Excellent electrical insulation
- Good mechanical resistance
- No accidental access to live parts
- No expiry date



Shark 516

code SH0516

Gel joint Straight connections Five-core cables Five-pole insulated terminal block included



CE

Watch the video

Double insulation

Kit contents

- Joint with gel size 4
- Five-pole insulated terminal block and Allen key
- Cable ties
- Assembly instructions

Table of use

Max cores	Conductor cross-section (mm ²)	
	min	max
٢	6	16

Available on request with terminal block suitable for copper-copper, aluminium-aluminum, and copper-aluminium connections



Straight connection on five-core cables with insulated terminal block





Shark 416/S

code SH1416

Gel joint Straight connections Single-core cables Without cores separator



CE

- IMQ approved (cert. no. CA01-00298)
- RINA approved (cert. no. ELE 153611CS)
- Thanks to the greater space inside the joint, it can be used on wide cross-section cables and/or for the insulation of electronic boards and components

Kit contents

- Joint with gel size 4
- Cable ties
- Assembly instructions

Table of use

Straight connections

Cores	Conductor cross-section (mm ²)		
	min	max	
۲	95	240	



Straight connection on single-core cable



Insulation of electronic components

LOW VOLTAGE







- · Compliant with CEI 50393 standard for low voltage joints 0.6/1 kV
- Self-extinguishing in accordance with EN 60695-2-11 standard
- Low smoke and toxic gas emission in accordance with CEI 20-37/2-1 and CEI 20-37/4 standards
- Protection degree: equivalent to IPX8 (CEI EN 60529) tested in water at a depth of one metre (CEI EN 50393 par. 8.6.3)
- Operating temperature: -20 °C to 90 °C
- Compliant with directive 2011/65/UE (RoHS 2)



- Underground installation
- Overhead installation
- Installation in cable ducts

Advantages

- Ready to use
- Re-enterable
- No gel or resin to cast
- Usable immediately
- Excellent electrical insulation
- Good mechanical resistance
- No accidental access to live parts
- No expiry date



Strain relief included



Shark 506WS **C**(

code SH0506WS

Gel joint Straight connection Cables up to 5 cores Insulated five-pole terminal block and strain relief included

Double insulation

Kit contents

- Joint with gel size 4
- Insulated five-pole terminal block
- Allen terminal block key
- Strain relief
- Cable ties
- Assembly instructions

Table of use

Straight connections

Cores	Conductor cross-section (mm ²)		
cores	min	max	
\bullet	95 *	240 *	
••			
٢	1.5	6	
۲	1.5		
	* without use of terminal block		
М	Maximum cable diameter: 28 mm		



Straight connection on five-core cables with insulated terminal block and strain relief







- Compliant with CEI EN 50393 standard for 0.6/1 kV low voltage joints
- Self-extinguishing in accordance with EN 60695-2-11 standard
- Low smoke and toxic gas emission in accordance with CEI 20-37/2-1 and CEI 20-37/4 standards
- Protection degree: equivalent to IPX8 (CEI EN 60529) tested in water at a depth of one metre (CEI EN 50393 par. 8.6.3)
- Operating temperature: -20 °C to 90 °C
- Compliant with directive 2011/65/UE (RoHS 2)



- Underground installation
- Overhead installation
- Installation in cable ducts

Advantages

- Ready to use
- Re-enterable
- No gel or resin to cast
- Usable immediately
- Excellent electrical insulation
- Good mechanical resistance
- No accidental access to live parts
- No expiry date



Strain relief included



Shark 525WS

code SH0525WS

Gel joint Straight connection Cables up to 5 cores Insulated five-pole terminal block and strain relief included

Double insulation

Kit contents

- Joint with gel size 5
- Insulated five-pole terminal block
- Allen terminal block key
- Strain relief
- Cable ties
- Assembly instructions

Table of use

Cores	Conductor cross-section (mm ²)		
00100	min	max	
	95 *	240 *	
••			
٢		25	
۲	6		
•	_		
	* without use of terminal block		
Ma	Maximum cable diameter: 29 mm		



Straight connection on five-core cables with insulated terminal block and strain relief

