



## SHARK® 600 Series Gel insulated joints for Y branch connections

Gel insulated 30° branch connections for single and multicore 0.6/1 kV cables with up to five conductors. The innovative insulated terminal blocks supplied with the joints allow branch connections without interrupting the main cable and ensure double insulation and correct positioning and securing of the cable inside the joint. The Allen key necessary for tightening the terminal screws is also included in the kit, and reduces the number of tools required to make the connection. The nylon cable ties supplied with the kit, once inserted and secured in the slots located at both ends of the joint, ensure that it cannot be reopened without the use of tools, in accordance with EN 60364 standard.

### 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)
- Operating temperature: -20 to 90 °C
- Compliant with directive 2011/65/UE (RoHS 2)

### Applications

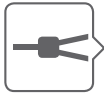
- Y branch connections on 0.6/1 kV single and multicore cables with up to five cores type FG7, FG16, and RG16
- For installation in cable ducts, underground, overhead, and underwater
- Temporary and permanent installation
- Street lighting systems, light fixtures, galleries, and environments at risk of fire

### Advantages

- Connection without interrupting main cable
- Ready to use
- Re-enterable
- No resin mixing and casting
- Usable immediately
- Excellent electrical insulation
- Good mechanical resistance
- No expiry date



*Pre-assembled terminal blocks provided with Shark® 600 Series joints have brass contacts with screw-type clamping and PA 6.6 insulating body self-extinguishing of class V2*



**SHARK® 600 Series · Gel joints**

**Y branch connections**

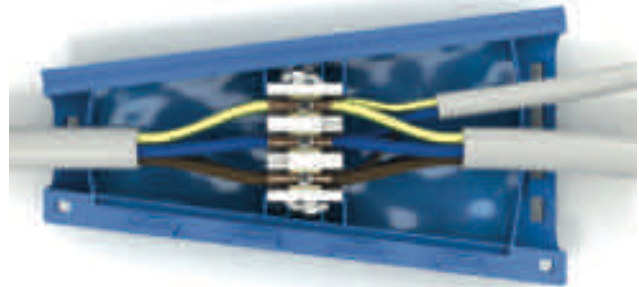
ITEM	CONNECTOR / TERMINAL BLOCK	MAX NO. OF CORES	CONDUCTOR CROSS-SECTION [mm <sup>2</sup> ]				CODE
			MIN		MAX		
			MAIN CABLE	BRANCH CABLE	MAIN CABLE	BRANCH CABLE	
<b>Single-core cables</b>							
SHARK <b>150Y</b>			6	1.5	50 *	25 *	<b>SH6150</b>
<b>Multicore cables</b>							
SHARK <b>516Y</b>			6	2.5	16	16	<b>SH6516</b>
SHARK <b>535Y</b>			16	2.5	35	35	<b>SH6535</b>

\* for an uninterrupted main cable with a cross-section of 35 mm<sup>2</sup>, maximum branch cable cross-section is 10 mm<sup>2</sup>  
for an uninterrupted main cable with a cross-section of 50 mm<sup>2</sup>, maximum branch cable cross-section is 6 mm<sup>2</sup>

Examples of application



**Shark 150Y**  
Y branch connection on single-core cables  
with single-pole insulated connector



**Shark 516Y - Shark 535Y**  
Y branch connection on multicore cables  
with insulated multi-pole terminal block

## SHARK® GEL INSULATED JOINTS

- Compliant with CEI EN 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 level: 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 to 90 °C
- Compliant with directive 2011/65/UE (RoHS 2)

### Applications

- Underground installation
- Overhead installation
- Installation in cable ducts
- Street lighting systems, tunnels, and areas at risk of fire

### Advantages

- Ready to use
- Re-enterable
- No gel and no resin to cast
- Usable immediately
- Branch connection **without interrupting main cable**
- Excellent electrical insulation
- **Double insulation**
- Good mechanical resistance
- The connector or terminal block supplied, placed in the seat, ensure that the cables are blocked inside the joint
- **No accidental access to live parts:** the nylon cable ties supplied ensure that the joint cannot be reopened without the use of tools, in compliance with EN 60634 standard
- No expiry date



## Shark 150Y



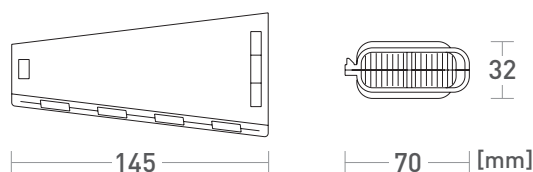
code SH6150

Gel joint  
Y branch connections  
Single-core cables  
Single-pole insulated connector included

- **Double insulation**

### Kit contents

- Joint with gel
- Single-pole insulated connector
- Allen key
- Cable ties
- Assembly instructions



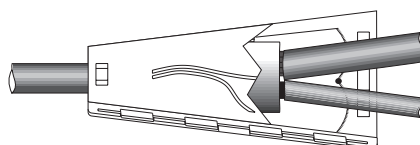
### Table of use



#### Y branch connections

Cores	Conductor cross-section (mm <sup>2</sup> )			
	min		max	
	main cable	branch cable	main cable	branch cable
⊙	6	1.5	50 *	25 *

\* for a main cable of 35 mm<sup>2</sup>, max branch cable cross-section is 10 mm<sup>2</sup>  
for a main cable of 50 mm<sup>2</sup>, max branch cable cross-section is 6 mm<sup>2</sup>



Y branch connection on single-core cables with insulated connector



# Shark 516Y



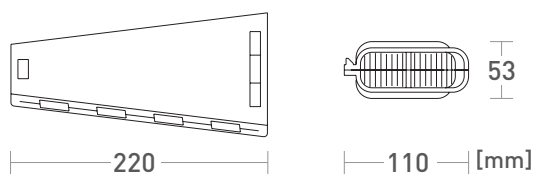
code SH6516

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

- Double insulation

### Kit contents

- Joint with gel
- Pre-assembled five-pole insulated terminal block
- Allen key
- Cable ties
- Assembly instructions



# Shark 535Y



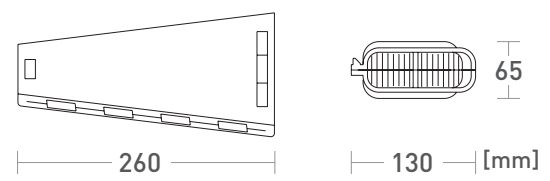
code SH6535

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

- Double insulation

### Kit contents

- Joint with gel
- Pre-assembled five-pole insulated terminal block
- Allen key
- Cable ties
- Assembly instructions



### Table of use

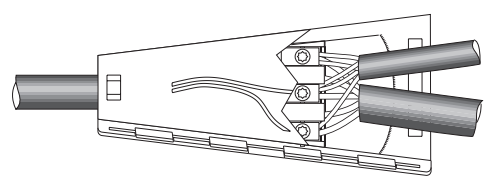


Max cores	Conductor cross-section (mm <sup>2</sup> )			
	min		max	
	main cable	branch cable	main cable	branch cable
	6	2.5	16	16

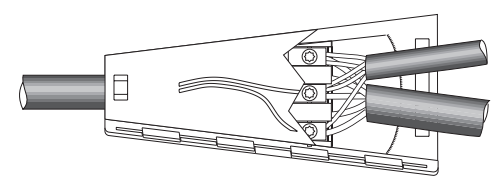
### Table of use



Max cores	Conductor cross-section (mm <sup>2</sup> )			
	min		max	
	main cable	branch cable	main cable	branch cable
	16	2.5	35	35



Y branch connection on five-core cables with insulated terminal block



Y branch connection on five-core cables with insulated terminal block