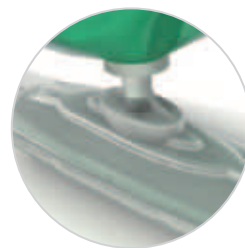


SUBMARINE® Branch Series

Cast resin joints for Y branch connections

The SUBMARINE® Branch Series kits allow 0.6/1 kV single and multicore cable connections with up to five conductors. Kits include:

- two transparent half-shells with snap-shut closure and a 30° branch connector, so that the connection is visible before the resin is poured
- two-component solid state polyurethane resin, already in the correct mixing ratio
- **Direct Injection pouring system (DIPS)** allows to inject the pre-mixed resin inside the joint, without contact with the external environment. No leakage and no personal contact, ensuring maximum safety for the operator and the environment
- cores separator and in some versions an insulated five-pole terminal block – which enables connection without interrupting the main cable – and Allen key.



Technical specifications

- Compliant with the standard for 0.6/1 kV low voltage joints (CEI EN 50393)
- 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
- Double insulation (in the version with terminal block)
- Final solid state polyurethane resin (green colour)
- Shelf life: 3 years

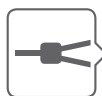


Applications

- Y branch connections for single and multicore 0.6/1 kV cables with up to five cores
- For installation in cable ducts, underground, overhead, underwater
- Street lighting systems

Advantages

- Permanent installation
- Excellent resistance at great depths
- Direct Injection Pouring System (DIPS)
- Transparent shell
- Integrated cores separator
- Excellent electrical insulation
- Good mechanical resistance
- 6 sizes for conductors with cross-section up to 630 mm²



SUBMARINE® Branch Series • Resin joints

Y branch connections

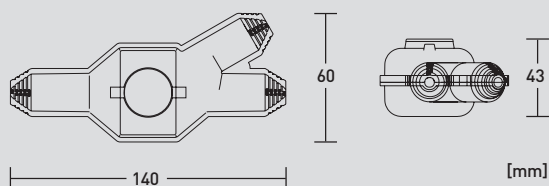
SIZE	CODE	SEPARATOR / TERMINAL BLOCK	DIRECT INJECTION POURING SYSTEM	NO. MAX CORES	MAIN CABLE DIAMETER MIN-MAX [mm]	BRANCH CABLE DIAMETER MIN-MAX [mm]
0	SKB0	–	–		7 – 23	7 – 23
1	SKB1				7 – 23	7 – 23
	B10406					
2	SKB2				12 – 27	12 – 27
	B20416					
3	SKB3				13 – 45	13 – 45
	B30435					
4	SKB4				35 – 51	17 – 33
5	SKB5				30 – 55	17 – 40

Re-enterable, reusable,
and eco-friendly silicone resin
Resil Joint RJB Series joints (page
70) are available in alternative

LOW VOLTAGE CAST RESIN JOINT submarine

**SIZE
0**

- Compliant with standard for 0.6/1 kV low voltage joints (CEI EN 50393)
- Protection level: equivalent to IPX8 (CEI EN 60529) tested in water at a depth of one metre (CEI 50393 par. 8.6.3)
- Final solid state polyurethane resin
- Operating temperature: -20 to 90 °C
- Shelf life: 3 years
- Cores separator included



Applications

- Underground installation
- Submersed installation
- Overhead installation

Advantages

- Excellent electrical insulation
- Watertight sealing of the connection
- Excellent protection against corrosion
- Excellent mechanical resistance

**Re-enterable, reusable,
and eco-friendly silicone resin
Resil Joint RJB Series joints
(page 70) available in alternative**



SKB0

Polyurethane resin joint

Branch connections - cables up to 4 cores

Cores separator included

Kit contents

- Two transparent polypropylene half-shells - Size 1
- Cores **separator**
- Bag of two-component resin
- Insulating tape
- Latex protective gloves



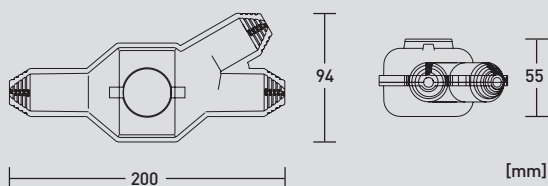
Branch connections

Cores	Cable diameter Ø (mm)		Conductor cross-section (mm ²)			
			min		max	
	main	branch	main cable	branch cable	main cable	branch cable
1			1.5	1.5	50	50
2	7 – 23	7 – 23	1.5	1.5	10	10
4			1.5	1.5	6	6

LOW VOLTAGE CAST RESIN JOINT submarine

SIZE
1

- Compliant with standard for 0.6/1 kV low voltage joints (CEI EN 50393)
- Protection level: equivalent to IPX8 (CEI EN 60529) tested in water at a depth of one metre (CEI 50393 par. 8.6.3)
- Final solid state polyurethane resin
- Operating temperature: -20 to 90 °C
- Shelf life: 3 years
- Cores separator included



Applications

- Underground installation
- Submersed installation
- Overhead installation

Advantages

- Excellent electrical insulation
- Watertight sealing of the connection
- Excellent protection against corrosion
- Excellent mechanical resistance

**Re-enterable, reusable,
and eco-friendly silicone resin
Resil Joint RJB Series joints
(page 70) available in alternative**



SKB1

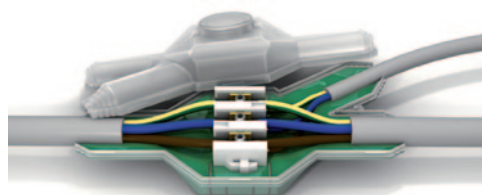
Polyurethane resin joint
Branch connections - cables up to 4 cores
Cores separator included

Kit contents

- Two transparent polypropylene half-shells - Size 1
- Cores **separator**
- Bag of two-component resin with DIPS
- Insulating tape
- Latex protective gloves

Branch connections

Cores	Cable diameter Ø (mm)		Conductor cross-section (mm ²)			
			min		max	
	main	branch	main cable	branch cable	main cable	branch cable
1			4	4	70	70
2	7 - 23	7 - 23	4	2.5	16	16
4			4	2.5	6	6



B10406

Polyurethane resin joint
Branch connections - cables up to 5 cores
Insulated five-pole terminal block included

- Double insulation
- Connection without interrupting the main cable

Kit contents

- Same as SKB1 kit plus:
- Pre-assembled insulated **five-pole terminal block** with Allen key

Branch connections

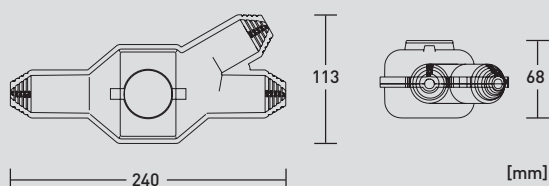
Cores	Cable diameter Ø (mm)		Conductor cross-section (mm ²)			
			min		max	
	main	branch	main cable	branch cable	main cable	branch cable
5	7 - 23	7 - 23	4	2.5	6	6

LOW VOLTAGE CAST RESIN JOINT

submarine

SIZE
2

- Compliant with standard for 0.6/1 kV low voltage joints (CEI EN 50393)
- Protection level: equivalent to IPX8 (CEI EN 60529) tested in water at a depth of one metre (CEI 50393 par. 8.6.3)
- Final solid state polyurethane resin
- Operating temperature: -20 to 90 °C
- Shelf life: 3 years
- Cores separator included



Applications

- Underground installation
- Submersed installation
- Overhead installation

Advantages

- Excellent electrical insulation
- Watertight sealing of the connection
- Excellent protection against corrosion
- Excellent mechanical resistance

**Re-enterable, reusable,
and eco-friendly silicone resin
Resil Joint RJB Series joints
(page 70) available in alternative**



SKB2

Polyurethane resin joint
Branch connections - cables up to 4 cores
Cores separator included

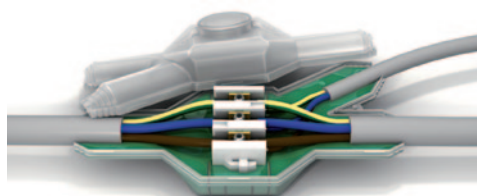
Kit contents

- Two transparent polypropylene half-shells - Size 2
- Cores separator
- Bag of two-component resin with DIPS
- Insulating tape
- Latex protective gloves



Branch connections

Cores	Cable diameter Ø (mm)		Conductor cross-section (mm ²)			
			min		max	
	main	branch	main cable	branch cable	main cable	branch cable
1	12 – 27	12 – 27	35	35	150	150
2			6	6	25	25
3			6	6	25	25
4			6	2.5	25	25



B20416



Polyurethane resin joint
Branch connections - cables up to 5 cores
Insulated five-pole terminal block included

- Double insulation
- Connection without interrupting the main cable

Kit contents

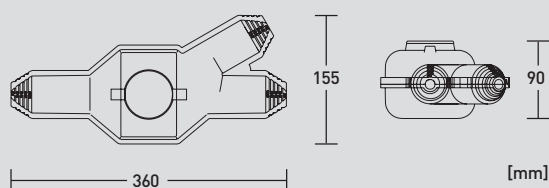
- Same as SKB2 kit plus:
- Pre-assembled insulated **five-pole terminal block** with Allen key



Branch connections

Cores	Cable diameter Ø (mm)		Conductor cross-section (mm ²)			
			min		max	
	main	branch	main cable	branch cable	main cable	branch cable
5	12 – 27	12 – 27	6	2.5	16	16

- Compliant with standard for 0.6/1 kV low voltage joints (CEI EN 50393)
- Protection level: equivalent to IPX8 (CEI EN 60529) tested in water at a depth of one metre (CEI 50393 par. 8.6.3)
- Final solid state polyurethane resin
- Operating temperature: -20 to 90 °C
- Shelf life: 3 years
- Cores separator included



Applications

- Underground installation
- Submersed installation
- Overhead installation

Advantages

- Excellent electrical insulation
- Watertight sealing of the connection
- Excellent protection against corrosion
- Excellent mechanical resistance

**Re-enterable, reusable,
and eco-friendly silicone resin
Resil Joint RJB Series joints
(page 70) available in alternative**



SKB3

Polyurethane resin joint
Branch connections - cables up to 4 cores
Cores separator included

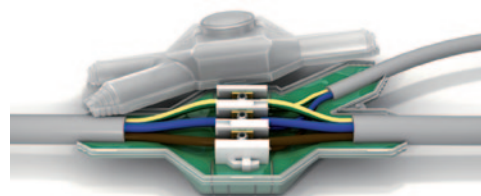
Kit contents

- Two transparent polypropylene half-shells - Size 3
- Cores separator
- Bag of two-component resin with DIPS
- Insulating tape
- Latex protective gloves



Branch connections

Cores	Cable diameter Ø (mm)		Conductor cross-section (mm ²)			
			min		max	
	main	branch	main cable	branch cable	main cable	branch cable
1	13 – 45	13 – 45	50	50	400	400
2			25	25	150	150
3			25	25	120	120
4			25	25	95	95



B30435

Polyurethane resin joint
Branch connections - cables up to 5 cores
Insulated five-pole terminal block included

- Double insulation
- Connection without interrupting the main cable

Kit contents

- Same as SKB3 kit plus:
- Pre-assembled insulated **five-pole terminal block** with Allen key



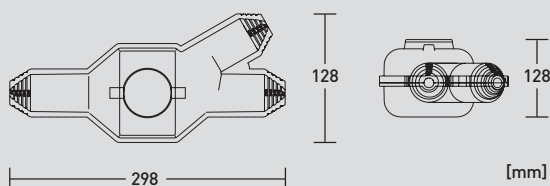
Branch connections

Cores	Cable diameter Ø (mm)		Conductor cross-section (mm ²)			
			min		max	
	main	branch	main cable	branch cable	main cable	branch cable
5	13 – 45	13 – 45	10	2.5	35	35

LOW VOLTAGE CAST RESIN JOINT submarine

**SIZE
4**

- Compliant with standard for 0.6/1 kV low voltage joints (CEI EN 50393)
- Protection level: equivalent to IPX8 (CEI EN 60529) tested in water at a depth of one metre (CEI 50393 par. 8.6.3)
- Final solid state polyurethane resin
- Operating temperature: -20 to 90 °C
- Shelf life: 3 years
- Cores separator included



Applications

- Underground installation
- Submersed installation
- Overhead installation

Advantages

- Excellent electrical insulation
- Watertight sealing of the connection
- Excellent protection against corrosion
- Excellent mechanical resistance

**Re-enterable, reusable,
and eco-friendly silicone resin
Resil Joint RJB Series joints
(page 70) available in alternative**



SKB4

Polyurethane resin joint
Branch connections - cables up to 4 cores
Cores separator included

Kit contents

- Two transparent polypropylene half-shells - Size 4
- Cores **separator**
- Bag of two-component resin with DIPS
- Insulating tape
- Latex protective gloves

Table of use



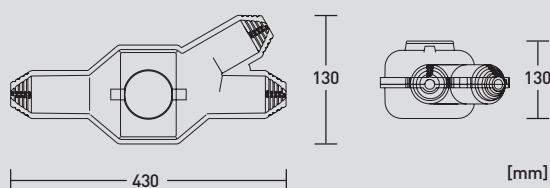
Branch connections

Cores	Cable diameter Ø (mm)		Conductor cross-section (mm ²)			
			min		max	
	main	branch	main cable	branch cable	main cable	branch cable
1	35 – 51	17 – 33	300	300	500	400
2			50	50	240	50
3			50	50	150	50
4			50	25	120	50

LOW VOLTAGE CAST RESIN JOINT submarine

SIZE
5

- Compliant with standard for 0.6/1 kV low voltage joints (CEI EN 50393)
- Protection level: equivalent to IPX8 (CEI EN 60529) tested in water at a depth of one metre (CEI 50393 par. 8.6.3)
- Final solid state polyurethane resin
- Operating temperature: -20 to 90 °C
- Shelf life: 3 years
- Cores separator included



Applications

- Underground installation
- Submersed installation
- Overhead installation

Advantages

- Excellent electrical insulation
- Watertight sealing of the connection
- Excellent protection against corrosion
- Excellent mechanical resistance

**Re-enterable, reusable,
and eco-friendly silicone resin
Resil Joint RJB Series joints
(page 70) available in alternative**



SKB5

Polyurethane resin joint
Branch connections - cables up to 4 cores
Cores separator included

Kit contents

- Two transparent polypropylene half-shells - Size 5
- Cores separator
- Bag of two-component resin with DIPS
- Insulating tape
- Latex protective gloves
- Instructions

Table of use



Branch connections

Cores	Cable diameter Ø (mm)		Conductor cross-section (mm ²)			
			min		max	
	main	branch	main cable	branch cable	main cable	branch cable
1	30 – 55	17 – 40	300	300	630	400
2			120	120	300	120
3			70	70	185	95
4			50	50	185	70