

## Cast Resin Splicing Joints with Molded Casing

Good quality and reliable components in joints are crucial for a good functioning cable network. Radiform-GT range of RADI-CAST RCGA polyurethane cast resin products is highly suitable for applications in straight joints, branch joints, double branch joints and transition joints.

All cast resin accessories are qualified for application with PVC, XLPE and PE-insulated lines and cables. Our products are applicable to deliver joints in outdoor, indoor, under-ground and under-water environments. The primary application advantage of our system is that a single range of cast resin can be used in joints for all voltage from 0.6 KV to 10 KV. It can also be used in joints of telecommunication and signal cables.

Radiform-GT offers two ranges of 2-component polyurethane-cast resin for its cable splicing system:

RCGA - a 2-component-polyurethanic-cast resin system for application with voltage ranging from 0.6 LV to 10 KV. This resin material has been tested and certified to BS 7933-1:2007, HD 631.1 S1: 2007 specification.

RCGA-B - a flame retardant 2-component cast resin system for applications with Low and medium voltage cables where flame resistance is required. The resin conforms to UL94, criteria point VO for flame retardant

The polyurethane cast resins are halogen-free and meet RoHS requirements.. The molded casings are manufactured from high quality robust synthetic materials, which can withstand rough handling. For straight and transition joints our system are equipped with distance holders to provide the necessary safety clearance distance between the connectors.



### RCGT – Cast Resin Straight Through Joint

Universally suitable for splicing of low voltage plastic insulated cables with/without armoring and medium voltage cables up to maximum voltage of 6 KV (under certain conditions with additional required accessories) It also suitable for splicing of control and instrumentation cables.

#### Product General Characteristics

##### Voltage Level:

0.6/1KV (AC), 0.6/1.5KV (DC)  
3.6kV (AC)  
6 KV (AC) – under certain conditions

##### Applications:

Indoor  
Outdoor  
Underground  
Underwater  
Cable trays

##### Features:

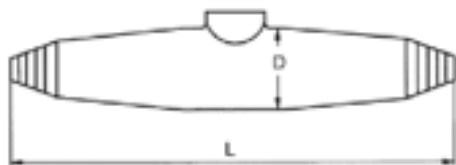
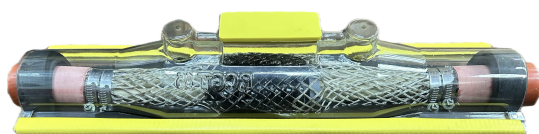
Large insertion opening for ease casting  
High electrical insulation  
Watertight both longitudinally and transversely  
Resistant to UV-radiation, alkaline earth and Chemical agents  
High Quality shockproof plastic mold casings  
Visible splices position prior casting  
Easy to install, saves time and costs  
Immediate operational

##### Specifications:

Tested and Certified to:  
BS 7933-1:2007, HD 631.1.S1:2007  
Conforms to:  
BS EN 50393:2006, CELENEC HD 623

The above Product General Characteristics apply to all polyurethane pur-cast resin joints: straight through splicing joints, branching joints, T-shape joints and Y-shape joints for all PVC, XLPE and Paper Insulated cables with/without armouring.

## PRODUCT DIMENSIONS



**Low Voltage XLPE/PVC Insulated Cables**  
**Max. Cross Section Per Conductor mmsq**

Part Number	Dimensions (mm)		Cable Entry	1-core	2-Core	3-Core	4-Core
	L	x D	Diameter (mm)	mmsq	mmsq	mmsq	mmsq
RCGT-A-0SJ	160	36	6.0 to 19.0	95	10	6	10
RCGT-A-10SJ	160	36	8.0 to 22.0	95	10	10	10
RCGT-A-1SJ	190	48	6.0 to 22.0	150	16	16	25
RCGT-A-11SJ	210	36	8.0 to 28.0	185	25	25	25
RCGT-A-2SJ	240	50	14.0 to 35.0	240	95	70	50
RCGT-A-12SJ	275	47	17.0 to 35.0	240	95	70	50
RCGT-A-3SJ	270	65	16.0 to 37.0	400	150	95	70
RCGT-A-13SJ	375	55	23.0 to 39.0	630	185	120	95
RCGT-A-4SJ	360	80	20.0 to 44.0	630	185	150	95
RCGT-A-14SJ	430	75	31.0 to 52.0	800	300	185	150
RCGT-A-5SJ	430	95	26.0 to 52.0	800	300	240	150
RCGT-A-15SJ	600	100	30.0 to 65.0	1000	400	400	300
RCGT-A-6SJ	530	120	35.0 to 65.0	1000	400	400	240
RCGT-A-16SJ	750	135	55.0 to 86.0	*	*	*	400
RCGT-A-7SJ	700	180	45.0 to 80.0	*	*	*	300
RCGT-A-8SJ	900	190	50.0 to 90.0	*	*	*	400

**Low Voltage XLPE/PVC SWA Armoured Cables**  
**Max. Cross Section Per Conductor mmsq**

Part Number	Dimensions (mm)		Cable Entry	1-core	2-Core	3-Core	4-Core
	L	x D	Diameter (mm)	mmsq	mmsq	mmsq	mmsq
RCGT-A-0SJ	160	36	6.0 to 19.0	35	6	4	2.5
RCGT-A-10SJ	160	36	8.0 to 22.0	50	10	6	6
RCGT-A-1SJ	190	48	6.0 to 22.0	70	16	10	10
RCGT-A-11SJ	210	36	8.0 to 28.0	95	25	16	16
RCGT-A-2SJ	240	50	14.0 to 35.0	150	50	35	25
RCGT-A-12SJ	275	47	17.0 to 35.0	185	50	50	35
RCGT-A-3SJ	270	65	16.0 to 37.0	300	95	70	35
RCGT-A-13SJ	375	55	23.0 to 39.0	400	95	95	50
RCGT-A-4SJ	360	80	20.0 to 44.0	400	150	95	70
RCGT-A-14SJ	430	75	31.0 to 52.0	630	150	150	120
RCGT-A-5SJ	430	95	26.0 to 52.0	630	185	150	95
RCGT-A-15SJ	600	100	30.0 to 65.0	1000	300	300	185
RCGT-A-6SJ	530	120	35.0 to 65.0	1000	240	240	185
RCGT-A-16SJ	750	135	55.0 to 86.0		400	400	400
RCGT-A-7SJ	700	180	45.0 to 80.0	*	400	300	300
RCGT-A-8SJ	900	190	50.0 to 90.0	*	*	400	400