

Cast Resin

STRAIGHT THROUGH CABLE JOINTS

CABAC's range of Cast Resin Straight Through Cable Joints are ideal for single or multi-core telephone, signal, and power cables with up to 3.3 kV rating.

The joints can be used where cables are:

- Buried directly in the ground
- On cable trays
- On rail installations
- Water submerged
- Being repaired

The Cast Resin is a special unfilled polyurethane which has good adhesive strength to all cable materials. Soft elastic properties ensure equalisation of mechanical stresses caused by different thermal expansion of cable materials. The cast resin has definite advantages over rigid epoxy resin which may be liable to stress cracking.

CABAC's Cast Resin Kits feature:

- Easy visual check before and during pouring of cast resin
- Pouring spouts to ensure void-free resin fill
- Snap lock and pre-shaped cut-offs to allow quick sealing of mould around cable
- Cable joints that comply with VDE standards
- All accessories
- Storage that is guaranteed for 2 years at max temp 35°C
- In ambient temperatures below 15°C follow recommendations in Technical Note

Catalogue No.	O.D. Range C (mm)	Dimensions L (mm)	D (mm)	Gross Weight (kg)
Small Power Cables, Telephone and Signal Cables				
Low Voltage Power Cables				
GTA1	8.0 - 21	202	40	0.4
GTA3	16 - 31	260	60	0.7
GTA4	21 - 36	360	70	1.1
GTA5	26 - 39	400	75	1.6
GTA6	35 - 53	530	100	4.9
GTA7	45 - 72	700	140	17.0

Technical Data of GAM	Value	According to DIN VDE 0291
Pot life @		
5°C	35 min	product conforms ±30%
23°C	20 min	
35°C	15 min	
Reactant	>200°C	>55
Open cup flash point		
Tensile Strength	≥8.0 Mpa	≥5.0
Adhesive	>1500 CP.S	<1500
Tear elongation	≥100%	≥50
Gel time for 30ml @	23°C	
Pouch >1000ml	26min	product conforms ±10%
Pouch >1000ml	17min	product conforms ±10%
Max reaction temp	60°C/333K	product conforms ±10%
Total vol. variable when hardening	6%	max.6.5%
Cast resin component		
Open cup flash point	>200°C	>100
Density	1.07g/cm ³	-
Impact Strength	>10kJ/m ²	>10kJ/m ²
Hot aging	-5 Shore A	-7
Hardness	75 Shore A	min.20 Shore D



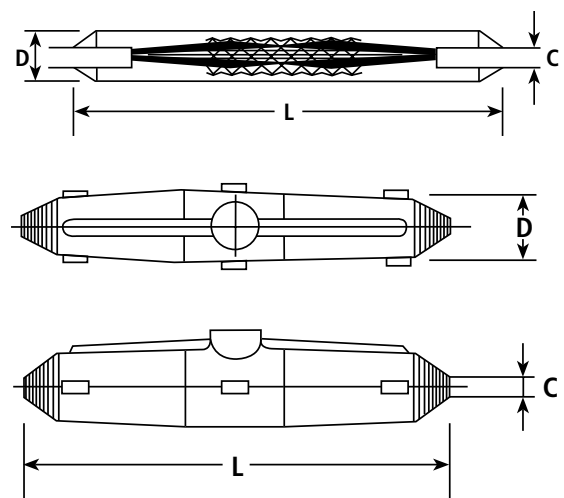
Technical Note - Cold Temperatures

Resins do not cure rapidly in temperatures below 20°C. Either raise the ambient temperature or warm the joint, cable and connectors, or use the following procedure:

1. Thermally insulate the joint shell using cloth or newspaper and warm if possible. Warming the cable is the easiest.
2. Mix the resin rapidly, and wait a short while until you feel the heat being generated by the resin hardening process, generally a few minutes max.
3. Rapidly pour the resin mixture into the joint. The largest cause of joint failure is badly mixed resin or decomposition or frothing caused by moisture.

Note: Moisture can originate from a gas flame.

Certification & Test Reports are available on request.



Dimensions Diagram