

CAST RESIN JOINT 16-31MM OD

Part Number: GTA3



Features

- Range is ideal for single, multi-core telephone, signal and low voltage power cables to 1kV
- Compact water tight design with high electrical insulating values
- Kit includes basic items for armoured cable application
- Storage up to 3 years at max temp 30 Deg. Celcius
- Complies with VDE Standards

Cast Resin Straight Through Cable Joint - 16-31mm O.D.

The CABAC 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 are water submerged or 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

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thermal expansion of cable materials. The cast resin has definite advantages over rigid epoxy resin which may be liable to stress cracking.

Cast Resin Straight Through Cable Joint Features

- ò Easy visual check before and during pouring of cast resin
- ò Pouring spouts to ensure void-free resin fill
- ò Snap lock and pre-shaped cut-offs to allow quick sealing of mold around cable
- ò Cable joints that comply with VDE standards
- ò All accessories
- ò Storage that is guaranteed for 2 years at maximum temperature of 35°C*
- ò Certification and Test Reports are available on request

* In ambient temperatures of below 15°C follow the Technical Note - Cold Temperature instructions.

Technical Note - Cold Temperature

Resins do not cure rapidly in temperatures below 20°C. Either raise the ambient temperature or warm the joint, cable and connector 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.

Important: Curing Time

One hour to cure before energising and 24 hours to fully cure.
To be protected from water and elements it needs to be fully cured

Technical Data of GAM Value According to DIN VDE 0291

Pot life @ 5°C 23°C 35°C 35 min 20 min 15 min product conforms ù30%

Reactant Open cup flash point >200°C >55

Tensile Strength ÈÙÐ8.0 Mpa ÈÙÐ5.0

Adhesive >1500 CP.S

Tear elongation ÈÙÐ100% ÈÙÐ50

Gel time for 30ml @ Pouch >1000ml Pouch >1000ml 23°C 26min 17min product conforms ù10% product conforms ù10%

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Max reaction temp Total vol. variable when hardening 60°C/333K 6% product conforms ±10% max. 6.5%

Cast resin component Open cup flash point >200°C >100

Density 1.07g/cm³

Impact Strength >10kJ/m² >10kJ/m²

Hot aging -5 Shore A-7

Hardness 75 Shore A min. 20 Shore D

Ordering Information

For low voltage power cables

Part No. O.D. Range C (mm) Dimensions Gross Weight (kg)

D (mm) L (mm)

GTA1 8-21 40 202 0.4

GTA3 16-31 60 260 0.7

GTA4 21-36 70 360 1.1

GTA5 26-39 75 400 1.6

GTA6 35-53 100 530 4.9

GTA7 45-72 140 700 17.0

Additional Information

Certificate of Standards Conformity

[Download Certificate of Standards Conformity](#)

Datasheet

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Line Drawing

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Safety Datasheet

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