

## GTA CAST RESIN STRAIGHT JOINT

CABAC cast resin straight through cable joints are ideal for single or multi-core telephone, signal and power cables with up to 1kV rating.

The joints can be used where cables are buried directly in the ground, on cable trays, on rail installations, water submerged (up to 1m depth), or being repaired.

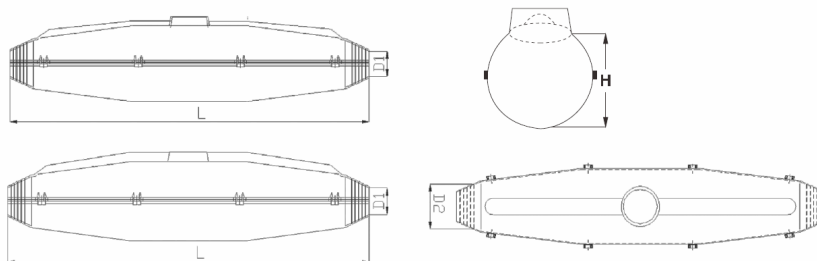
The cast resin is a special unfilled polyurethane that has good adhesive strength to all cable materials. Soft elastic properties ensure equalisation of mechanical stresses caused by different thermal expansion of cable materials. The cast resin has definite advantages over rigid epoxy resin which may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

### Features:

- 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 the cable
- Complies with VDE standards
- Shelf Life of 3 years at a maximum temperature of 35°C



Part No.	Cable Size (mm <sup>2</sup> )	L (mm)	H (mm)	D1 (mm)	D2 (mm)
GTA0	4x 1.5-6	190	36	6	18
GTA1	4x 1.5-10	202	36	8	26
GTA3	4x 10-25	260	47	16	32
GTA4	4x 35-50	360	55	21	38
GTA5	4x 50-70	400	70	26	41
GTA6	4x 95-150	530	100	35	56
GTA7	4x 185-300	700	125	47	74



### TECHNICAL DATA

Technical Data	Value	According to DIN VDE 0291
Pot life@		
5°C	35 min	
23°C	20 min	Product conforms ± 30%
35°C	15 min	
Tensile strength	≥8.0 Mpa (N/mm <sup>2</sup> )	≥5.0
Gel time for 300 ml @	23°C	
Pouch > 1000ml	26 min	Product conforms ± 10%
Pouch < 1000ml	17 min	Product conforms ± 10%
Max. reaction temp	60°C/333K	Product conforms ± 10%
Total vol. variable when hardening	6%	max. 6.5%
Cast resin open cup flash point	>200°C	>100°C
Impact strength	>10kJ/m <sup>2</sup>	>10kJ/m <sup>2</sup>
Hardness	75 Shore A	min. 20 Shore D
Flammability	Class II C	Acc. to DIN VDE 0304, part 3
Water absorption 42 days@50°C	360mg	max. 400 mg
Voltage test at		No breakdown at test voltage
23°C	>20kV	20kV
80°C	>10kV	10kV
Dielectric dissipation factor		
23°C and 50Hz	0.08	max. 0.1
23°C and 1kHz	0.05	-
Relative permittivity		
23°C and 50Hz	5	<6
23°C and 1kHz	5.1	-
Tracking resistance	KA 3c	min. KA 3c



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