



M...GG

Cast resin straight-through joint

for polymeric cables and conductors, control cables and signal cables

Universally suitable for connecting polymeric cables or conductors insulated with PVC, PE, XLPE and EPR (e.g. N(A)YY, NYM, TT). Suitable for compression or screw connectors on copper and aluminium conductors.

Characteristics

- Compact dimensions
- Splice area visible before casting
- High-quality transparent shockproof plastic shell
- Resistant to chemical agents
- Resistant to alkaline earth elements
- Stabilized against UV rays
- Longitudinally and transversely watertight
- High electrical insulating values
- High mechanical strength
- Ready for immediate operation
- Quick and easy assembly saves time and reduces costs

Application/Suitability

- Indoor
- Outdoor
- Underground
- Water
- Installation ducts

Voltage level

- U_0/U_m 0.6/1 (1.2) kV

Test standards

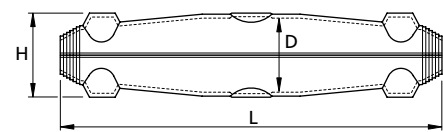
- DIN EN 50393 (corresponds to VDE 0278)

Storage conditions/Shelf life

- Cast resin up to 24 months



Dimensions



M 0 GG - M 6 GG

Scope of delivery

Hydrolysis resistance PUR type GG cast resin (containing the correct volume ready for mixing), packed in practical and easy-to-use two-chamber bags, transparent plastic shell, fill and air-release funnels, PVC insulation tape, protective gloves, assembly instructions

Optional accessory: Shield continuity wire SVL (see Accessories)
Connectors (see Connecting technology)
Cleaner UNIVERSAL CLEANER 121 (see Accessories)

Note: Armour continuity kit for armoured cable available on request.

		Polymeric cable													
		unarmoured					with concentric conductor		armoured						
		1x	2x	3x	4x	5x	3x	4x	3x	4x					
Type	L mm	D mm	H mm	max. Cable-Ø mm	max. Nominal cross section per conductor mm ²										Art.-No.
M	0 GG	185	32	37	15	25	10	6	6	4					353703
	1 GG	240	40	45	22	95	25	16	16	10	10/10				353717
	2 GG	265	45	50	30	185	50	35	25	16	25/25	16/16	16	16	353718
	2.5 GG	310	58	65	37	300	70	70	50	35	35/35	25/25	35	16 - 35	353719
	3 GG	355	70	80	42	400	120	95	70	50	50/50	50/25	50	35 - 50	353740
	4 GG	430	90	98	52	500		120	95	70	95/95	70/35	95	50 - 95	353741
	5 GG	550	110	120	62	1000		240	185	120	150/150	120/70	120	95 - 120	353742
6 GG	660	145	165	80			300	240	185	240/240	240/120	240	120 - 240	353743	

		Control and signal cable																													
							0,4 mm		0,6 mm		0,8 mm		0,75 mm ²		1,5 mm ²																
							Number of wire pairs					Number of conductors																			
Type	L mm	D mm	H mm	max. Cable-Ø mm											Art.-No.																
M	0 GG	185	32	37	15	6 - 20					6 - 10					6					16					8					353703
	1 GG	240	40	45	22	30 - 70					20 - 30					10 - 20					56					21					353717
	2 GG	265	45	50	30	100 - 150					40 - 70					30 - 40					114					56					353718
	2.5 GG	310	58	65	37	200 - 250					100 - 120					50 - 70					154					96					353719
	3 GG	355	70	80	42	300					150					100 - 120					200					133					353740

Shield continuity wire SVL required for telecommunication cables.

**GG****Two-component PUR cast resin**

reduced hazard-class

Cast resin GG is a special development to fulfill reduced hazard-classification. It's labelling identification, according to the CLP-Regulation (EC) No. 1272/2008, does not contain the H351 statement. The cast resin GG has similar properties as the known polyurethane cast resins. Cast resin GG is suitable for low voltage polymeric-insulated and mass-impregnated paper cables up to 1 kV.

Characteristics

- Two-component PUR cast resin
- In practical and easy-to-use two-chamber bags
- Favourable flow properties
- High hydrolysis resistance
- Resistant to alkaline earth elements
- Stabilized against UV rays
- Halogen-free
- Not harmful to the environment
- Flexibility ensures mechanical stress absorption
- No fracturing under electrical stress
- No fracturing under mechanical tension
- Excellent adhesion to all cable materials
- Low hardening temperature
- Reduced hazardous labelling identification according to the CLP-Regulation (EC) No. 1272/2008

Test standards

- DIN VDE 0278-631-1

Storage conditions/Shelf life

- In aluminium bag 24 months at ambient temperatures between 15 °C and 35 °C

**Scope of delivery**

1 PU

Note: Other sizes available on request.

Type	Content ml	Art.-No.
GG	80	353869
	143	353890
	286	353891
	370	353892
	464	353893
	730	353894
	1000	353818
	1700	335750
	2150	317353

Technical data	Value
Flash point of cast resin component (open cup)	> 200 °C
Flash point of reactant (open cup)	> 200 °C
Processing time (pot life) 300 ml mixture at	
5 °C	68 minutes
23 °C	24 minutes
35 °C	15 minutes
max. Reaction temperature	60 °C
Total volume shrinkage during curing	< 6.0 %
Density	1.32 g/cm ³
Impact strength	> 10 kJ/m ²
Hardness	30 Shore D
Operating temperature range	-40 °C up to +90 °C