# Technical-Data-Sheet

## M...B

## Cast resin straight-through joint

for mining industry, gas stations, refineries

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. REACH Regulation on the restriction of diisocyanates (for EU countries only). The European Commission amended Annex XVII of the REACH Regulation (EC) (new number 74) with Regulation (EU) 2020/1149, which entered into force on 24 August 2020. In accordance with the new REACH Regulation, appropriate training will be required prior to the industrial or professional use of diisocyanates, adhesives and sealants as of 24 August 2023. All information regarding training materials and training courses is available on the ISOPA/ALIPA website https://www.safeusediisocyanates.eu/



### Product description

| | |
|---|---|
| Article name | M 3 UG |
| Material number | 124348 |
| Characteristics | Compact dimensions |
| | Splice area visible before casting |
| | High-quality transparent shockproof plastic shell |
| | Resistant to chemical agents |
| | Stabilized against UV rays |
| | Resistant to alkaline earth elements |
| | Longitudinally and transversely watertight |
| | High electrical insulating values |
| | High mechanical and thermal strength |
| | Ready for immediate operation |
| | Quick, safe and easy assembly |
| Applications | Indoor |
| | Outdoor |
| | Underground |
| | Water |
| | Installation ducts |
| Family notes | Armour continuity kit for armoured cable available on request. |
| Optional accessory | Cleaner UNIVERSAL CLEANER 121 (see Accessories) |
| | Shield continuity wire SVL (see Accessories) |
| | Connectors (see Connecting technology) |

## Technical data

| | |
|---|---|
| Voltage levels | U0/U (Um) 0,6/1 (1,2) kV |
| Test standards | DIN VDE 0472-804 |
| | DIN VDE 0472-813 |
| | DIN VDE 0472-814 |
| | DIN VDE 0278-631-1 |
| Length L | 355 m |
| Heigth H | 80 mm |
| Diameter D | 70 mm |
| Nominal cross section Polymeric cable unarmoured per conductor 1x max | 400 mm² |
| Nominal cross section Polymeric cable unarmoured per conductor 2x max | 120 mm² |
| Nominal cross section Polymeric cable unarmoured per conductor 3x max | 95 mm² |
| Nominal cross section Polymeric cable unarmoured per conductor 4x max | 70 mm² |
| Nominal cross section Polymeric cable unarmoured per conductor 5x max | 50 mm² |
| Diameter cable max | 42 mm |
| Nominal cross section Polymeric cable with concentric conductor per conductor 3x max | 50 mm² |
| Nominal cross section Polymeric cable with concentric conductor per conductor 4x max | 50 mm² |
| Nominal cross section Polymeric cable armoured per conductor mm² 3x | 50 mm² |
| Nominal cross section Polymeric cable armoured per conductor 4x min | 35 mm² |
| Nominal cross section Polymeric cable armoured per conductor 4x max | 50 mm² |
| Control and signal cable 0,75 mm² Number of conductors | 200 Pieces |
| Control and signal cable 1,5 mm² Number of conductors | 133 Pieces |
| Control and signal cable 0,4 mm Number of wire pairs min | 300 Pieces |
| Control and signal cable 0,4 mm Number of wire pairs max | 300 Pieces |
| Control and signal cable 0,6 mm Number of wire pairs min | 150 Pieces |
| Control and signal cable 0,6 mm Number of wire pairs max | 150 Pieces |
| Control and signal cable 0,8 mm Number of wire pairs min | 100 Pieces |
| Control and signal cable 0,8 mm Number of wire pairs max | 120 Pieces |

## Logistics data

| | |
|---|---|
| Delivery scope | Fill and air-release funnel |
| | Hydrolysis resistance PUR type UG cast resin |
| | Packed in practical and easy-to-use two-chamber bags |
| | Transparent plastic shell |
| | PVC insulation tape |
| | Protective gloves |
| | Assembly instructions |
| Shelf life | 24 Month |
| Country of origin | Germany |
| Customs tariff number | 39095090 |

| | | | | |
|---|---|---|---|---|
| EAN-UPC | 4010311002644 | | | |
| Base quantity | 1 | 1 | 70 | |
| Base unit of measure | Piece | Piece | Piece | |
| Alternate quantity | 1 | 1 | 1 | |
| Alternative unit of measure | Piece | Case | Pal. EU | |
| Lenght | 422 | 422 | 1200 | |
| Width | 236 | 236 | 800 | |
| Height | 90 | 90 | 1130 | |
| Dimension unit | Millimetres | Millimetres | Millimetres | |
| Volume | 8.963 | 8.963 | 1084.8 | |
| Volume unit | Cubic decimetres | Cubic decimetres | Cubic decimetres | |
| Gross weight | 1.885 | 1.885 | 160.95 | |
| Net weight | 1.885 | 1.885 | 131.95 | |
| Weight unit | Kilogram | Kilogram | Kilogram | |