

50M MAIN CABLE PUR-JB 8\*0,5+3\*1,0

4-way distribution boxes M12  
8× 0.5 + 3× 1.0 mm²

Link to Product

Illustration



Product may differ from Image



Commercial data

|                       |               |
|-----------------------|---------------|
| ECLASS-6.0            | 27062011      |
| ECLASS-6.1            | 27279218      |
| ECLASS-7.0            | 27279218      |
| ECLASS-8.0            | 27279218      |
| ECLASS-9.0            | 27060311      |
| ECLASS-10.1           | 27061801      |
| ECLASS-11.1           | 27061801      |
| ECLASS-12.0           | 27061801      |
| ETIM-5.0              | EC001578      |
| customs tariff number | 85444995      |
| GTIN                  | 4048879057073 |
| Packaging unit        | 1             |

Installation | Cable

|                                |                                                               |
|--------------------------------|---------------------------------------------------------------|
| Cable identification           | 448                                                           |
| Jacket Color                   | gray                                                          |
| Type of Certificate            | cURus                                                         |
| Amount stranding               | 1                                                             |
| Stranding                      | 2 wires with Filler twisted                                   |
| Stranding factor min.          | 51 mm                                                         |
| Stranding factor max.          | 51 mm                                                         |
| Amount stranding (type 2)      | 1                                                             |
| Stranding (type 2)             | 9 wires around Stranding combination counter-rotating twisted |
| Stranding factor min. (type 2) | 100 mm                                                        |
| Stranding factor max. (type 2) | 100 mm                                                        |

|                                                   |                                                                                                        |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Banding                                           | Fleece                                                                                                 |
| Filler                                            | yes                                                                                                    |
| wire arrangement                                  | white, yellow, (blue, brown, green-yellow, gray, gray-pink, red-blue, green, green-white, brown-green) |
| Cable weighth                                     | 146,3 g/m                                                                                              |
| Material jacket                                   | PUR                                                                                                    |
| Shore hardness jacket                             | 94 ± 5 Shore A                                                                                         |
| Freedom from ingredients (jacket)                 | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free                              |
| Outer-diameter (jacket)                           | 9 mm                                                                                                   |
| Tolerance outer diameter (sheath)                 | ± 5 %                                                                                                  |
| Material wire insulation                          | TPE-E                                                                                                  |
| Amount wires                                      | 8                                                                                                      |
| Outer diameter insulation                         | 1,6 mm                                                                                                 |
| Outer diameter tolerance core insulation          | ± 5 %                                                                                                  |
| Shore hardness wire insulation                    | 55 ± 3 Shore D                                                                                         |
| Ingredient freeness wire insulation               | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free                              |
| Amount strands (wire)                             | 64                                                                                                     |
| Diameter of single wires                          | 0,1 mm                                                                                                 |
| Conductor crosssection (wire)                     | 0,5 mm <sup>2</sup>                                                                                    |
| Material conductor wire                           | Stranded copper wire, bare                                                                             |
| Conductor type (wire)                             | strand class 6                                                                                         |
| Material wire insulation (Data)                   | TPE-E                                                                                                  |
| Outer diameter wire insulation (Data)             | 2,1 mm                                                                                                 |
| Tolerance outer diameter wire insulation (data)   | ± 5 %                                                                                                  |
| Shore hardness wire insulation (Data)             | 55 ± 3 Shore D                                                                                         |
| Ingredient freeness wire insulation (Data)        | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free                              |
| Amount wires (Data)                               | 3                                                                                                      |
| Amount strands wire (Data)                        | 128                                                                                                    |
| Diameter of single wires (Data)                   | 0,1 mm                                                                                                 |
| Conductor crosssection wire (Data)                | 1 mm <sup>2</sup>                                                                                      |
| Material conductor wire (Data)                    | Stranded copper wire, bare                                                                             |
| Wire conductor type (Data)                        | strand class 6                                                                                         |
| Max. rated voltage (conductor - conductor)        | 500 V                                                                                                  |
| Max. rated voltage (conductor - ground)           | 300 V                                                                                                  |
| Current load capacity (standard)                  | to DIN VDE 0298-4                                                                                      |
| Current load capacity min. wire                   | 5,9 A                                                                                                  |
| Current load capacity min. Wire (Data)            | 15 A                                                                                                   |
| Electrical resistance line constant wire          | 39 Ω/km @ 20 °C                                                                                        |
| Electrical resistance coating wire (Data)         | 20 Ω/km @ 20 °C                                                                                        |
| AC withstand voltage (wire - wire)                | 2 kV @ 60 s                                                                                            |
| Power frequency withstand voltage (wire - jacket) | 2 kV @ 60 s                                                                                            |
| Min. operating temperature (static)               | -40 °C                                                                                                 |
| Max. operating temperature (fixed)                | 90 °C                                                                                                  |
| Operating temperature min. (dynamic)              | -40 °C                                                                                                 |
| Operating temperature max. (dynamic)              | 90 °C                                                                                                  |
| Flame resistance                                  | UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2                                                    |
| chemical resistance                               | Good, application-related testing                                                                      |
| Gasoline resistance                               | Good, application-related testing                                                                      |
| Oil resistance                                    | DIN EN 60811-404   Good, application-related testing                                                   |
| Bending radius (installation)                     | x Outer diameter                                                                                       |
| Bending radius (fixed)                            | x Outer diameter                                                                                       |
| Bending radius (dynamic)                          | 10 x Outer diameter                                                                                    |
| Travel speed (C-track)                            | 5 Mio. @ 25 °C                                                                                         |
| No. of torsion cycles                             | 0,5 Mio.                                                                                               |

The information in this Product-PDF has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-05

Murrelektronik GmbH | Falkenstraße 3 | 71570 Oppenweiler | Fon +49 (71 91) 47-0 | Fax +49 (71 91) 47-491000 | shop@murrelektronik.de | shop.murrelektronik.de

Torsion stress  $\pm 180\text{ }^{\circ}/\text{m}$