

**M12 male 0° / M12 female 0° A-cod. V4A**

PVC 5x0.34 gy UL/CSA 3m

Male straight – female straight

M12 – M12, 5-pole

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

Stainless steel 1.4404 (V4A)

Plastic housings with good resistance against chemicals and oils.

The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

[Link to Product](#)**Illustration**



Product may differ from Image



|                                           |               |
|-------------------------------------------|---------------|
| Cable length                              | 3 m           |
| Side 1                                    |               |
| Tightening torque                         | 0,6 Nm        |
| Family construction form                  | M12           |
| Thread                                    | M12 x 1       |
| suitable for corrugated tube (internal Ø) | 10 mm         |
| Coding                                    | A             |
| Width across flats                        | SW13          |
| Degree of protection (EN IEC 60529)       | IP66K, IP67   |
| Side 2                                    |               |
| Tightening torque                         | 0,6 Nm        |
| Family construction form                  | M12           |
| Thread                                    | M12 x 1       |
| Coding                                    | A             |
| Degree of protection (EN IEC 60529)       | IP66K, IP67   |
| Commercial data                           |               |
| ECLASS-6.0                                | 27279218      |
| ECLASS-6.1                                | 27279218      |
| ECLASS-7.0                                | 27279218      |
| ECLASS-8.0                                | 27279218      |
| ECLASS-9.0                                | 27060311      |
| ECLASS-10.1                               | 27060311      |
| ECLASS-11.1                               | 27060311      |
| ECLASS-12.0                               | 27060311      |
| ETIM-5.0                                  | EC001855      |
| customs tariff number                     | 85444290      |
| GTIN                                      | 4048879650502 |
| Packaging unit                            | 1             |
| Electrical data   Supply                  |               |
| Operating voltage AC max.                 | 125 V         |
| Operating voltage DC max.                 | 125 V         |
| Operating voltage AC (UL-listed)          | 30 V          |

|                                                         |                                                  |
|---------------------------------------------------------|--------------------------------------------------|
| Operating voltage DC (UL-listed)                        | 30 V                                             |
| Current operating per contact max.                      | 4 A                                              |
| <b>Device protection   Electrical</b>                   |                                                  |
| Additional condition protection degree                  | inserted, screwed                                |
| Pollution Degree                                        | 3                                                |
| Material group (IEC 60664-1)                            | I                                                |
| <b>Mechanical data   Material data</b>                  |                                                  |
| Material housing                                        | PUR                                              |
| Locking material                                        | Stainless steel 1.4404 (V4A)                     |
| <b>Mechanical data   Mounting data</b>                  |                                                  |
| Mounting method                                         | inserted, screwed, Shaking protection            |
| <b>Environmental characteristics   Climatic</b>         |                                                  |
| Operating temperature min.                              | -25 °C                                           |
| Operating temperature max.                              | 85 °C                                            |
| Additional condition temperature range                  | depending on cable quality                       |
| <b>Conformity</b>                                       |                                                  |
| Product standard                                        | DIN EN 61076-2-101 (M12)                         |
| <b>Installation   Cable</b>                             |                                                  |
| Cable identification                                    | 215                                              |
| Cable Type                                              | 1                                                |
| Jacket Color                                            | gray                                             |
| Type of Certificate                                     | cURus                                            |
| Amount stranding                                        | 1                                                |
| Stranding                                               | 5 wires around Core filler twisted               |
| Filler                                                  | yes                                              |
| wire arrangement                                        | brown, black, blue, white, green-yellow          |
| Cable weight                                            | 48,4 g/m                                         |
| Material jacket                                         | PVC                                              |
| Shore hardness jacket                                   | 85 ± 5 Shore A                                   |
| Freedom from ingredients (jacket)                       | lead-free, cadmium-free, CFC-free, silicone-free |
| Outer-diameter (jacket)                                 | 5,2 mm                                           |
| Tolerance outer diameter (sheath)                       | ± 5 %                                            |
| Material wire insulation                                | PVC                                              |
| Amount wires                                            | 5                                                |
| Outer diameter insulation                               | 1,25 mm                                          |
| Outer diameter tolerance core insulation                | ± 5 %                                            |
| Shore hardness wire insulation                          | 45 ± 5 Shore D                                   |
| Material properties wire insulation                     | good machinability                               |
| Ingredient freeness wire insulation                     | lead-free, cadmium-free, CFC-free, silicone-free |
| Amount strands (wire)                                   | 19                                               |
| Diameter of single wires                                | 0,15 mm                                          |
| Conductor crosssection (wire)                           | 0,34 mm²                                         |
| Material conductor wire                                 | Stranded copper wire, bare                       |
| Conductor type (wire)                                   | Strand class 5                                   |
| Current load capacity (standard)                        | to DIN VDE 0298-4                                |
| Current load capacity min. wire                         | 4,5 A                                            |
| Electrical resistance line constant wire                | 57 Ω/km @ 20 °C                                  |
| Nominal voltage power AC max.                           | 300 V                                            |
| Power frequency withstand voltage power (wire - jacket) | 2 kV @ 60 s                                      |
| AC withstand voltage power (wire - wire)                | 2 kV @ 60 s                                      |
| Min. operating temperature (static)                     | -30 °C                                           |

|                                      |                                                      |
|--------------------------------------|------------------------------------------------------|
| Max. operating temperature (fixed)   | 80 °C                                                |
| Operating temperature min. (dynamic) | -5 °C                                                |
| Operating temperature max. (dynamic) | 80 °C                                                |
| Flame resistance                     | IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  |
| chemical resistance                  | Good, application-related testing                    |
| Gasoline resistance                  | Good, application-related testing                    |
| Oil resistance                       | Good, application-related testing   DIN EN 60811-404 |
| Bending radius (fixed)               | 5 x Outer diameter                                   |
| Bending radius (dynamic)             | 10 x Outer diameter                                  |