

## M12 female 0° A-cod. with cable shielded V4A

PVC 12x0.14 shielded bk 30m

Female straight M12, 12-pole shielded with cable sleeves

Stainless steel 1.4404 (V4A)

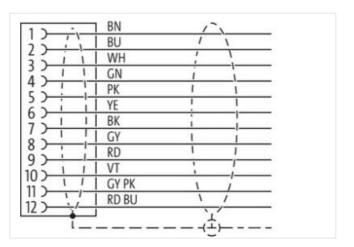
Plastic housings with good resistance against chemicals and oils.

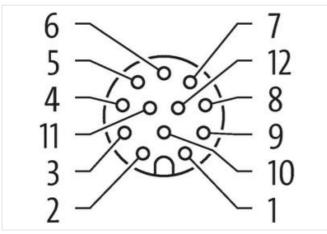
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

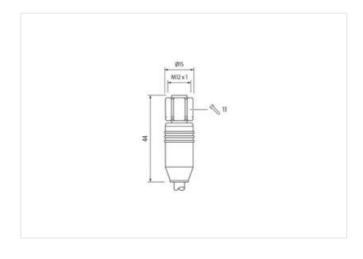
## **Link to Product**

## Illustration









Product may differ from Image











Side 1

Tightening torque

0,6 Nm



stay connected

| Coating construction form         M12           Family construction form         M12 x 1           Cable outlet         straight           Coding         A           Material contact         Copper alloy           No. of poles         12           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2           Stripping longth (jacket)         80 mm           Coating contact         gold plated           Family construction form         free cable end           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-1.1         27060311           ECLASS-1.1         27060311           ECLASS-1.2.0         27060311           ECLASS-1.2.0         27060311           ECLASS-1.2.0         27060311           ECLASS-1.2.0         27060311           ECLASS-1.2.0         27060311           ECLASS-1.3.0         4048879776400           Packaging unit         1           Electrical data   Supply  |  | inserted, screwed            |
|--|--|------------------------------|
| Thread         M12 x 1           Cable outlet         straight           Coding         A           Material contact         Copper alloy           No. of poles         12           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2           Stripping length (jacket)         80 mm           Coating contact         gold pated           Family construction form         free cable end           Commercial date           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-6.1         27279218           ECLASS-1.0         27796311           ECLASS-1.1         27060311           ECLASS-1.2         27060311           ECLASS-1.2         27060311           ECLASS-1.3         27060311           ECLASS-1.2         27060311           ECLASS-1.2         27060311           ECLASS-1.3         27060311           ECLASS-1.3         30           Cause in colspan="2">Cause in colspan="2">   | Coating contact                        | gold plated                  |
| Cable outlet         straight           Coding         A           Material contact         Copper alloy           No. of poles         12           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2           Stripping length (jacket)           80 mm         Coating contact           Coating contact         gold plated           Family construction form         free cable end           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-10.1         27060311           ECLASS-10.1         27060311           ECLASS-10.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-10         27060311           ECLASS-10         30 V           Operating voltage AC max.         30 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC max.         30 V  | Family construction form               | M12                          |
| A  | Thread                                 | M12 x 1                      |
| Material contact         Copper alloy           No. of poles         12           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2           Stripping length (jacket)         80 mm           Coating contact         gold plated           Family construction form         free cable end           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-6.1         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-1.1         27060311           ECLASS-1.1.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC01855           customs tariff number         8544290           GTIN         4048879776400           Packaging unit         1           Electrical data   Supply           Operating voltage AC (rullisted)         30 V           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V           Operating voltage DC max.   | Cable outlet                           | straight                     |
| No. of poles         12           Width across fiats         SW13           Degree of protectin (EN IEC 60529)         IP65, IP66K, IP67           Stripping length (jacket)         80 mm           Coating contact         gold plated           Family construction form         free cable end           Commercial date         ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-1.1         27060311           ECLASS-1.1         27060311           ECLASS-1.2.0         27060311           ECLASS-1.1         27060311           ECLASS-1.2.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879776400           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         30 V           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V <td>Coding</td> <td>A</td>  | Coding                                 | A                            |
| Wildth across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2         Side 2           Stripping length (jacket)         80 mm           Coating contact         gold plated           Family construction form         free cable end           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           ECIASS-12.0         27060311           ECIASS-12.0         EC001855           Customs tariff number         85444290           GTIN         4048879776400           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         30 V           Operating voltage DC max.         30 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V <t< td=""><td>Material contact</td><td>Copper alloy</td></t<>  | Material contact                       | Copper alloy                 |
| Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2         Stripping length (jacket)         80 mm           Coating contact         gold plated           Family construction form         free cable end           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-9.1.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879776400           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         30 V           Operating voltage AC max.         30 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC max.         1,5 A           Diagnostics           Status indication LED         no  | No. of poles                           | 12                           |
| Side 2           Stripping length (jacket)         80 mm           Coating contact         gold plated           Family construction form         free cable end           Commercial date           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           Customs tariff number         85444290           GTIN         4048879776400           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         30 V           Operating voltage AC max.         30 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC max.         30 V           Current operating pe   |  | SW13                         |
| Stripping length (jacket)         80 mm           Coating contact         gold plated           Family construction form         free cable end           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-9.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879776400           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         30 V           Operating voltage AC max.         30 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating voltage AC max.         1,5 A           Diagnostics         1,5 A           Diagnostics         20 monable of the colorance of th   | Degree of protection (EN IEC 60529)    | IP65, IP66K, IP67            |
| Coating contact         gold plated           Family construction form         free cable end           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         EC01855           customs tariff number         85444290           GITIN         4048879776400           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         30 V           Operating voltage AC (UL-listed)         30 V           Operating voltag   | Side 2                                 |                              |
| Family construction form         free cable end           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         8544290           GTIN         4048879776400           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         30 V           Operating voltage AC omax.         30 V           Operating voltage AC (UL-listed)         30 V           Operating voltage PC contact max.         1,5 A           Diagnostics           Status indication LED         no           Installation   Connection         80 mm           Device protection   Electrical   | Stripping length (jacket)              | 80 mm                        |
| Commercial data  | Coating contact                        | gold plated                  |
| ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879776400 Packaging unit 1 Electrical data   Supply Operating voltage AC max. 30 V Operating voltage DC max. 30 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Current operating per contact max. 1,5 A  Diagnostics Status indication LED no Installation   Connection Stripping length (jacket) 80 mm  | Family construction form               | free cable end               |
| 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 4048879776400  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 30 V  Operating voltage AC max. 30 V  Operating voltage AC (UL-listed) 30 V  Operating voltage AC (UL-listed) 30 V  Operating voltage PC (UL-listed) 30 V | Commercial data                        |                              |
| ECLASS-7.0 2729218  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 4048879776400  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 30 V  Operating voltage AC max. 30 V  Operating voltage AC (UL-listed) 30 V  Operating voltage AC (UL-listed) 30 V  Operating voltage DC (UL-listed) 30 V  Current operating per contact max. 1,5 A  Diagnostics  Status indication LED no  Installation   Connection  Stripping length (jacket) 80 mm  Device protection   Electrical  | ECLASS-6.0                             | 27279218                     |
| ECLASS-8.0 27279218  ECLASS-9.0 27060311  ECLASS-10.1 27060311  ECLASS-11.1 27060311  ECLASS-11.0 27060311  ETIM-5.0 EC001855 customs tariff number 85444290  GTIN 4048879776400  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 30 V  Operating voltage AC (UL-listed) 30 V  Operating voltage AC (UL-listed) 30 V  Operating voltage DC (UL-listed) 30 V  Diagnostics  Status indication LED no  Installation   Connection  Stripping length (jacket) 80 mm  Device protection   Electrical   | ECLASS-6.1                             | 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 4048879776400  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 30 V  Operating voltage AC (UL-listed) 30 V  Operating voltage AC (UL-listed) 30 V  Operating voltage DC (UL-listed) 30 V  Operating voltage DC (UL-listed) 30 V  Operating voltage DC (UL-listed) 30 V  Diagnostics  Status indication LED no  Installation   Connection  Stripping length (jacket) 80 mm  Device protection   Electrical  | ECLASS-7.0                             | 27279218                     |
| ECLASS-10.1 27060311  ECLASS-11.1 27060311  ECLASS-12.0 27060311  ETIM-5.0 EC001855  customs tariff number 85444290  GTIN 4048879776400  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 30 V  Operating voltage AC max. 30 V  Operating voltage AC (UL-listed) 30 V  Operating voltage AC (UL-listed) 30 V  Current operating per contact max. 1,5 A  Diagnostics  Status indication LED no  Installation   Connection  Stripping length (jacket) 80 mm  Device protection   Electrical   | ECLASS-8.0                             | 27279218                     |
| ECLASS-11.1 27060311  ECLASS-12.0 27060311  ETIM-5.0 EC001855 customs tariff number 85444290  GTIN 4048879776400  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 30 V  Operating voltage AC max. 30 V  Operating voltage AC (UL-listed) 30 V  Operating voltage AC (UL-listed) 30 V  Current operating per contact max. 1,5 A  Diagnostics  Status indication LED no  Installation   Connection  Stripping length (jacket) 80 mm  | ECLASS-9.0                             | 27060311                     |
| ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879776400           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         30 V           Operating voltage DC max.         30 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         1,5 A           Diagnostics           Status indication LED         no           Installation   Connection           Stripping length (jacket)         80 mm           Device protection   Electrical  | ECLASS-10.1                            | 27060311                     |
| ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879776400 Packaging unit 1  Electrical data   Supply Operating voltage AC max. 30 V Operating voltage DC max. 30 V Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Current operating per contact max. 1,5 A  Diagnostics Status indication LED no Installation   Connection Stripping length (jacket) 80 mm  | ECLASS-11.1                            | 27060311                     |
| Customs tariff number 85444290  GTIN 4048879776400  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 30 V  Operating voltage DC max. 30 V  Operating voltage AC (UL-listed) 30 V  Operating voltage DC (UL-listed) 30 V  Current operating per contact max. 1,5 A  Diagnostics  Status indication LED no  Installation   Connection  Stripping length (jacket) 80 mm  Device protection   Electrical  |  | 27060311                     |
| GTIN 4048879776400  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 30 V  Operating voltage DC max. 30 V  Operating voltage AC (UL-listed) 30 V  Operating voltage DC (UL-listed) 30 V  Operating voltage DC (UL-listed) 30 V  Current operating per contact max. 1,5 A  Diagnostics  Status indication LED no  Installation   Connection  Stripping length (jacket) 80 mm  Device protection   Electrical   | ETIM-5.0                               | EC001855                     |
| Packaging unit  Electrical data   Supply  Operating voltage AC max. 30 V  Operating voltage DC max. 30 V  Operating voltage AC (UL-listed) 30 V  Operating voltage DC (UL-listed) 30 V  Current operating per contact max. 1,5 A  Diagnostics  Status indication LED no  Installation   Connection  Stripping length (jacket) 80 mm  Device protection   Electrical  |  |                              |
| Electrical data   Supply  Operating voltage AC max. 30 V  Operating voltage DC max. 30 V  Operating voltage AC (UL-listed) 30 V  Operating voltage DC (UL-listed) 30 V  Current operating per contact max. 1,5 A  Diagnostics  Status indication LED no  Installation   Connection  Stripping length (jacket) 80 mm  Device protection   Electrical  |  |                              |
| Operating voltage AC max. 30 V Operating voltage DC max. 30 V Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Current operating per contact max. 1,5 A  Diagnostics Status indication LED no Installation   Connection Stripping length (jacket) 80 mm  Device protection   Electrical   | Packaging unit                         | 1                            |
| Operating voltage DC max. 30 V Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Current operating per contact max. 1,5 A  Diagnostics Status indication LED no Installation   Connection Stripping length (jacket) 80 mm  Device protection   Electrical  | Electrical data   Supply               |                              |
| Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Current operating per contact max. 1,5 A  Diagnostics Status indication LED no Installation   Connection Stripping length (jacket) 80 mm  Device protection   Electrical   | Operating voltage AC max.              | 30 V                         |
| Operating voltage DC (UL-listed) 30 V  Current operating per contact max. 1,5 A  Diagnostics  Status indication LED no  Installation   Connection  Stripping length (jacket) 80 mm  Device protection   Electrical   | Operating voltage DC max.              | 30 V                         |
| Current operating per contact max. 1,5 A  Diagnostics  Status indication LED no  Installation   Connection  Stripping length (jacket) 80 mm  Device protection   Electrical  | Operating voltage AC (UL-listed)       | 30 V                         |
| Diagnostics  Status indication LED no  Installation   Connection  Stripping length (jacket) 80 mm  Device protection   Electrical  | Operating voltage DC (UL-listed)       | 30 V                         |
| Status indication LED no  Installation   Connection  Stripping length (jacket) 80 mm  Device protection   Electrical   | Current operating per contact max.     | 1,5 A                        |
| Installation   Connection  Stripping length (jacket) 80 mm  Device protection   Electrical   | Diagnostics                            |                              |
| Stripping length (jacket) 80 mm  Device protection   Electrical  | Status indication LED                  | no                           |
| Device protection   Electrical   | Installation   Connection              |                              |
|  | Stripping length (jacket)              | 80 mm                        |
| Degree of protection (EN IEC 60529) IP65 IP67 IP66K  | Device protection   Electrical         |                              |
| begree of protestion (E14 120 00025)   | Degree of protection (EN IEC 60529)    | IP65, IP67, IP66K            |
| Additional condition protection degree inserted, screwed   | Additional condition protection degree | inserted, screwed            |
| Pollution Degree 3   | Pollution Degree                       | 3                            |
| Rated surge voltage 0,8 kV   |  | 0,8 kV                       |
| Material group (IEC 60664-1)   | Material group (IEC 60664-1)           | I                            |
| Mechanical data  | Mechanical data                        |                              |
| Contour for corrugated hose without  | Contour for corrugated hose            | without                      |
| Mechanical data   Material data  | Mechanical data   Material data        |                              |
| Material gasket FKM  | Material gasket                        | FKM                          |
| Material housing PUR   | Material housing                       | PUR                          |
| Locking material Stainless steel 1.4404 (V4A)  | Locking material                       | Stainless steel 1.4404 (V4A) |
| Mechanical data   Mounting data  | Mechanical data   Mounting data        |                              |



stay connected

| Mounting method   | inserted, screwed, Shaking protection  |
|---|--|
| Environmental characteristics   Climatic                |  |
| Operating temperature min.                              | -25 °C   |
| Operating temperature max.                              | 85 °C  |
| Additional condition temperature range                  | depending on cable quality   |
| Conformity  |  |
| Product standard  | DIN EN 61076-2-101 (M12)   |
| Installation   Cable                                    |  |
| Cable identification                                    | 703  |
| Cable Type  | 1  |
| Jacket Color  | black  |
| Type of Certificate                                     | cURus  |
| Amount stranding  | 1  |
| Stranding   | 3 wires twisted  |
| Amount stranding (type 2)                               | 1  |
|   |  |
| Stranding (type 2)                                      | 9 wires around Stranding combination twisted   |
| Cable shielding (type)                                  | copper braid, tinned   |
| Cable shielding (coverage)                              | 80 %   |
| Banding   | Fleece, Foil   |
| Filler  | yes  |
| wire arrangement  | gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue |
| Cable weigth  | 73,7 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)                                 | 6,5 mm   |
| Tolerance outer diameter (sheath)                       | ± 5 %  |
| Material wire insulation                                | PVC  |
| Amount wires  | 12   |
| Outer diameter insulation                               | 1,05 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)                                   | 18   |
| Diameter of single wires                                | 0,1 mm   |
| Conductor crosssection (wire)                           | 0,14 mm²   |
| Material conductor wire                                 | Stranded copper wire, bare   |
| Conductor type (wire)                                   | strand class 6   |
| Current load capacity (standard)                        | to DIN VDE 0298-4  |
| Current load capacity min. wire                         | 2 A  |
| Electrical resistance line constant wire                | 138 Ω/km @ 20 °C   |
| Nominal voltage power AC max.                           | 300 V  |
| AC withstand voltage power (wire - shield)              | 2 kV @ 60 s  |
| 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) | 10 x Outer diameter                                  |