

## M8 male 0° / M8 female 90° A-cod. shielded

PUR 4x0.34 shielded gy UL/CSA+drag ch. 1.5m

M8 - M8, 4-pole

Male straight - female 90°

shielded

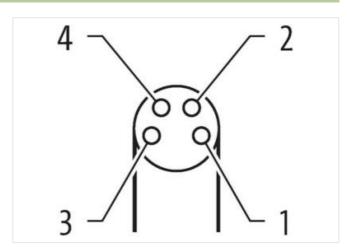
Plastic housings with good resistance against chemicals and oils.

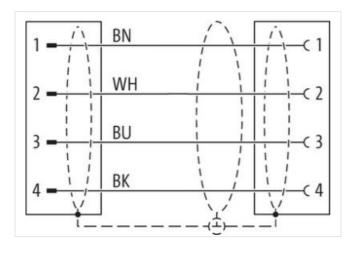
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

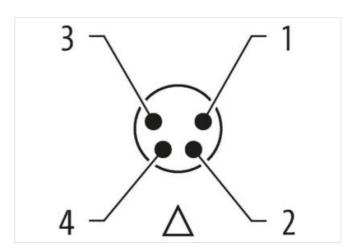
## **Link to Product**

## Illustration



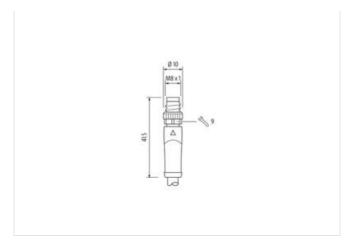


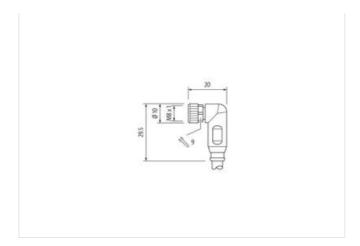






## stay connected





Product may differ from Image





| Cable length                              | 1,5 m             |
|---|-------------------|
| Side 1                                    |                   |
| Tightening torque                         | 0,4 Nm            |
| Mounting method                           | inserted, screwed |
| Coating contact                           | gold plated       |
| Family construction form                  | M8                |
| Thread                                    | M8 x 1            |
| suitable for corrugated tube (internal Ø) | 8,5 mm            |
| Coding                                    | A                 |
| Material contact                          | Copper alloy      |
| No. of poles                              | 4                 |
| Width across flats                        | SW9               |
| Side 2                                    |                   |
| Tightening torque                         | 0,4 Nm            |
| Mounting method                           | inserted, screwed |
| Coating contact                           | gold plated       |
| Family construction form                  | M8                |
| Thread                                    | M8 x 1            |
| suitable for corrugated tube (internal Ø) | 6,5 mm            |
| Coding                                    | A                 |
| Material contact                          | Copper alloy      |
| No. of poles                              | 4                 |
| 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          |



stay connected

| Scrib   Scri   | customs tariff number                         | 85444290   |
|--|---|--|
| Flacinging unit    Flooting data   Supply  | GTIN  |  |
| Pereintal data   Supply  |   |  |
| Operating voltage AC max.         50 V           Operating voltage DC max.         60 V           Operating voltage AC UL sileady         30 V           Operating voltage DC UL sileady         30 V           Operating voltage DC UL sileady         4 A           Diagnostics         Slatus indication LED         no           Device protection   Electrical         Degree of protection (Electrical           Degree of protection (Electrical         Degree of protection (Electrical           Degree of protection   Electrical         Degree of protection (Electrical           Pollution Degree         3           Ralade surge voltage         1,5 kV           Material goup (IEC 66664-1)         1           Material goup (IEC 66664-1)         1           Material goalwin         Mickeled           Material goalwin         Nickeled           Material goalwin         Nickeled           Material goalwin         Time de-assing           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Common properating temperature max.         25 °C           Operating temperature max.         25 °C         Common properating temperature max.         25 °C           Operating temperature max.         25 °C  |   |  |
| Operating voltage DC max. 69 V Operating voltage AC (UL-listed) 30 V Operating voltage AC (UL-listed) 30 V Ournot operating voltage AC (UL-listed) 30 V Ournot operating pour contact max. 4 A  Diagnostics  Status indication LED no  Perice protection (EN IEC 60529) AC (UL-listed) Degree of protection (EN IEC 6052 |   | EQ.V   |
| Operating voltage AC (UL-island) 30 V Current operating rollates DC (UL-island) 30 V Current operating rollates DC (UL-island) 30 V Diagnostics  Status indication LED no Degree of protection (EN IEC 60529) IP66, IP67, IP68, IP66K Additional condition protection degree inserted, screwed Pollution Degree 3 S Rated surgive voltage 1,5 kV Malarial group (IEC 60624) IF6K IP67, IP68, IP66K Additional condition protection degree 15 kV Malarial group (IEC 60641) IF6K IP67, IP68, IP66K Additional condition protection degree 15 kV Malarial group (IEC 60641) IF6K IP67, IP68, IP66K Malarial group (IEC 60629) IF6K IP67, IP68, IP67, IP68, IP68K Malarial group (IEC 60629) IF6K IP67, IP68, IP67, IP67, IP68, IP67, IP67, IP68, IP67, IP67, IP67, IP67, IP67, IP67, IP67, IP67, IP68, IP67, IP67, IP67, IP67, IP67, IP67, IP67, |   |  |
| Operating voltage DC (UL-lister) 39 V Current operating per contact max. 4 A Diagnostics Status indication LED no Divice protection [Electrical Degree of protection (EN LEC 60529)   PE65, IP67, IP68, IP66K Additional condition protection degree inserted, screwed Pollution Degree 3 Ratios surge voltage 3, 5 K V Material group (IEC 606641)   I Mechanical data   Material data Coating backing No. Nickeled Material group (IEC 606641)   I Mechanical data   Material data Coating backing No. Nickeled Material gasket PKM Material gasket PWM Material posset PWM Material protein (EN LEC 606641)   I Mechanical data   Mounting data Material gasket PKM Material protein (EN LEC 606641)   I Mechanical data   Mounting data Material pasket PWM Material protein (EN LEC 606641)   I Mechanical data   Mounting data Material pasket PWM Material protein (EN LEC 606641)   I Material housing PWM Material protein (EN LEC 606641)   I Material housing PWM Material pasket PWM Mater |   |  |
| Current operating per contact max.    Diagnostics   Status indicator LED   no  |   |  |
| Displays tractable         Power or protection IED (50529)         IP65, IP67, IP68, IP6K           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Raided surge voltage         1,5 kV           Material group (IEC 606641)         I           Mechanical datal Material data         Michael Material group (IEC 606641)           Containg bording         Nickeled           Material gasket         FKM           Material gasket         FKM           Material problem         Zinc diseasting           Mechanical datal Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Congressing temperature min.           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lites.           Additional condition temperature range         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lites.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lites.           Contamity         Attention: Observe the permissible bending radii when laying cables, as t   |   |  |
| Status indication LED no  Device protection   Electrical   Degree of protection   Electrical   Degree of protection (EN IEC 60529)   IP65, IP67, IP68, IP66K   Additional condition protection degree   inserted, screwed   Pollution Degree   3   Rated surge vottage   1,5 kV   Malerial group (IEC 60684-1)   I   Mechanical data   Material data   Coeting locking   Mickeled   Malerial group (IEC 60684-1)   I   Mechanical data   Material data   Coeting locking   Nickeled   Malerial prospective   PUR   Locking material   Degree   PUR   Locking material   Degree   PUR   Locking method   Inserted, screwed, Shaking protection   Environmental characteristics   Climatic   Operating temperature min.   -25 ° C   Operating temperature max.   85 ° C   Additional condition temperature may.   65 ° C   Operating temperature max.   85 ° C   Additional condition temperature may.   4 temperature may   Important installation notes   Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.    Conformity   Product standard   Din K 61076-2-114 (M8)   Installation   Calificate   Cable displication   Calificate   Cable displication   Calificate   Cable displication   Calificate   Calle displication   Calificate   Calle displication   Calle   Calle displication   C |   | 44   |
| Degree of protection   Electrical   IPES, IPE7, IPE8, IPE6K   PE6K   Additional condition protection degree inserted, screwed   IPES, IPE7, IPE8, IPE6K   IPE6 | Diagnostics                                   |  |
| Degree of protection (EN IEC 60529)  | Status indication LED                         | no   |
| Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1,5 kV  Material group (IEC 80864-1) 1  Mechanical datal Material data  Coating bocking Nickeled Material pousing PUR  Locking material Dousing PUR  Locking material Dousing PUR  Mechanical datal Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Province International Department of the Company of the C | Device protection   Electrical                |  |
| Follution Degree 3 Rated surge voltage 1,5 kV  Material group (ICC 00064-1) I  Mechanical data   Material data  Coating locking Nickeled   FKM   Material gasket   FKM   Material gasket   FKM   Material gasket   FKM   Material busing   PUR   Locking material   Zinc die-casting   Mechanical data   Mounting data   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   Important installation notes   Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.   Attentions: Observe the permissible bending radiu when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity   Product standard   DIN EN 61076 2-114 (M8)   Installation   Cable   | Degree of protection (EN IEC 60529)           | IP65, IP67, IP68, IP66K  |
| Rated surge voltage   1,5 kV   Material group (IEC 60864-1)   1  Caciling locking   Nickeled   Material gasket   FKM   Material pasket   FKM   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   Important installation notes   Note on bardain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity   Product standard   DIN EN 61076-2-114 (M8)   Installation   Cable   wire arrangement   brown, black, blue, white   Cable identification   241   Cable Type   3   Jacket Color   gray   Type of Certificate   cURus   Amount stranding   1   Stranding   4   Wires twisted   Cable ishielding (type)   copper braid, tinned   Cable ishielding (type)   copper braid, tinned   Cable ishielding (coverage)   80 %   Banding   Fleoce, Foil   wire arrangement   brown, black, blue, white   Cable weigth   50.8 gm   Material jacket   PUR   Freedom from ingredients (jacket)   60.4 free, cadmium-free, CFC-free, halogen-free, silicone-free   | Additional condition protection degree        | inserted, screwed  |
| Material group (IEC 60664.1)    Mechanical data   Material data  | Pollution Degree                              | 3  |
| Mechanical data   Material data Coating locking Nickeled FKM Material pasket FKM Material housing PUR Locking material Zinc die-casting  Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min 25 °C  Operating temperature min 25 °C  Operating temperature mane depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard Din En 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue, white Cable identification 241  Cable identification 241  Cable identification (JRus)  Jakes Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foil  wire arrangement proven (jacket) lead-free, cadmium-free, CFC-free, halogen-free, eilicone-free  | Rated surge voltage                           | 1,5 kV   |
| Coating locking         Nickeled           Material pasket         FKM           Material housing         PUR           Locking material         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting method           Environmental characteristics   Climatic         Comparing temperature min.         -25 °C           Operating temperature man.         85 °C         Additional condition temperature range         depending on cable quality           Important installation notes         Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-114 (M8)           Installation   Cable         Wire arrangement         brown, black, blue, white           Cable identification         241           Cable identification         241           Cable in floating         4           Amount stranding         1           Cable in shelding (type)         copper braid, tinned           Cable is shelding (type)         copper braid, tinned           Cable weight         50,6 g/m  | Material group (IEC 60664-1)                  | 1  |
| Material gasket FKM Material housing PUR Locking material Zinc die-casting  Mechanical data   Mounting data Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Coperating temperature min25 °C Operating temperature max. 85 °C Additional condition temperature reage depending on cable quality  Inportant installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue, white Cable identification 21 Cable Type 3 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Fleece, Foil  wire arrangement brown, black, blue, white Cable shielding (coverage) 80 % Banding Fleece, Foil  wire arrangement brown, black, blue, white Cable weigth 50.6 g/m Material jacket PUR Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   | Mechanical data   Material data               |  |
| Material housing PUR Locking material Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min.   | Coating locking                               | Nickeled   |
| Mechanical data   Mounting method   Inserted, screwed, Shaking protection  | Material gasket                               | FKM  |
| Mechanical data   Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic Operating temperature min25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g., by the usage of cable ties. Note on bending radius Protect the connectors by suitable measures from mechanical loads, e.g., by the usage of cable ties. Note on bending radius Protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-114 (M8) Installation   Cable wire arrangement brown, black, blue, white Cable identification 241 Cable Type 3 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Fleece, Foil wire arrangement brown, black, blue, white Cable weight 50,6 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  | Material housing                              | PUR  |
| Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min.  | Locking material                              | Zinc die-casting   |
| Environmental characteristics   Climatic Operating temperature min25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-114 (M8) Installation   Cable wire arrangement brown, black, blue, white Cable identification 241 Cable Type 3 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted Cable shielding (type) copper braid, tinned Cable shielding (toverage) 80 % Banding Fleece, Foil wire arrangement brown, black, blue, white Cable weight 50,6 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   | Mechanical data   Mounting data               |  |
| Environmental characteristics   Climatic Operating temperature min25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-114 (M8) Installation   Cable wire arrangement brown, black, blue, white Cable identification 241 Cable Type 3 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted Cable shielding (type) copper braid, tinned Cable shielding (toverage) 80 % Banding Fleece, Foil wire arrangement brown, black, blue, white Cable weight 50,6 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   | Mounting method                               | inserted, screwed, Shaking protection  |
| Operating temperature max. 85 °C Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue, white  Cable identification 241  Cable Type 3  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foil  wire arrangement brown, black, blue, white  Cable weigth 50,6 g/m  Material jacket  PUR  Shore hardness jacket 9 9± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  |   |  |
| Operating temperature max. 85 °C Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue, white  Cable identification 241  Cable Type 3  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foil  wire arrangement brown, black, blue, white  Cable weigth 50,6 g/m  Material jacket  PUR  Shore hardness jacket 9 9± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  | Operating temperature min                     | -25 °C   |
| Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue, white Cable identification 241  Cable Type 3  Jacket Color gray Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 %  Banding Fleece, Foil  wire arrangement brown, black, blue, white Cable weigth 50,6 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   | <u> </u>                                      |  |
| Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue, white Cable identification 241  Cable Type 3  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 %  Banding Fleece, Foil  wire arrangement brown, black, blue, white Cable weigth 50,6 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   |   |  |
| Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue, white  Cable identification 241  Cable Type 3  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foil  wire arrangement brown, black, blue, white  Cable weigth 50,6 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   |   |  |
| Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-114 (M8)  Installation   Cable wire arrangement brown, black, blue, white  Cable identification 241  Cable Type 3  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foil wire arrangement brown, black, blue, white  Cable weigth 50,6 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket)  PUR  | •   |  |
| Conformity         DIN EN 61076-2-114 (M8)           Installation   Cable           wire arrangement         brown, black, blue, white           Cable identification         241           Cable Type         3           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         80 %           Banding         Fleece, Foil           wire arrangement         brown, black, blue, white           Cable weigth         50,6 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  | Note on strain relief  Note on bending radius | Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be |
| Product standard DIN EN 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue, white  Cable identification 241  Cable Type 3  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foil  wire arrangement brown, black, blue, white  Cable weigth 50,6 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  | Conformity                                    | chaingered by excessive bending forces.  |
| wire arrangement brown, black, blue, white Cable identification 241 Cable Type 3 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Fleece, Foil wire arrangement brown, black, blue, white Cable weigth 50,6 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  |   |  |
| wire arrangement brown, black, blue, white  Cable identification 241  Cable Type 3  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foil wire arrangement brown, black, blue, white  Cable weigth 50,6 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   |   | DIN EN 61076-2-114 (M8)  |
| Cable identification 241 Cable Type 3 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Fleece, Foil wire arrangement brown, black, blue, white Cable weigth 50,6 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   | Installation   Cable                          |  |
| Cable Type 3  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foil wire arrangement brown, black, blue, white  Cable weigth 50,6 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   | wire arrangement                              | brown, black, blue, white  |
| Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foil wire arrangement brown, black, blue, white  Cable weigth 50,6 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  | Cable identification                          | 241  |
| Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foil wire arrangement brown, black, blue, white  Cable weigth 50,6 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  | Cable Type                                    | 3  |
| Amount stranding  Stranding  4 wires twisted  Cable shielding (type)  Copper braid, tinned  Cable shielding (coverage)  80 %  Banding  Fleece, Foil  wire arrangement  brown, black, blue, white  Cable weigth  50,6 g/m  Material jacket  PUR  Shore hardness jacket  PUR  Freedom from ingredients (jacket)  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  | Jacket Color                                  |  |
| Stranding 4 wires twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foil wire arrangement brown, black, blue, white  Cable weigth 50,6 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   | • •   |  |
| Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foil wire arrangement brown, black, blue, white  Cable weigth 50,6 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  | Amount stranding                              |  |
| Cable shielding (coverage) 80 %  Banding Fleece, Foil  wire arrangement brown, black, blue, white  Cable weigth 50,6 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  | Stranding                                     |  |
| Banding Fleece, Foil wire arrangement brown, black, blue, white Cable weigth 50,6 g/m  Material jacket PUR Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  | Cable shielding (type)                        |  |
| wire arrangement brown, black, blue, white  Cable weigth 50,6 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   | Cable shielding (coverage)                    |  |
| Cable weigth 50,6 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   | Banding                                       | <u> </u>   |
| Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  | wire arrangement                              |  |
| Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   | Cable weigth                                  |  |
| Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   | Material jacket                               |  |
|  | Shore hardness jacket                         |  |
| Outer-diameter (jacket) 5,3 mm   | Freedom from ingredients (jacket)             |  |
|  | Outer-diameter (jacket)                       | 5,3 mm   |



| Tolerance outer diameter (sheath)                 | ±5%  |
|---|--|
| Material wire insulation                          | PP   |
| Amount wires                                      | 4  |
| Outer diameter insulation                         | 1,25 mm  |
| Outer diameter tolerance core insulation          | ±5%  |
| Shore hardness wire insulation                    | 70 ± 5 Shore D   |
| Ingredient freeness wire insulation               | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Amount strands (wire)                             | 42   |
| Diameter of single wires                          | 0,1 mm   |
| Conductor crosssection (wire)                     | 0,34 mm²   |
| Material conductor wire                           | Stranded copper wire, bare                                     |
| Conductor type (wire)                             | strand class 6   |
| Nominal voltage AC max.                           | 300 V  |
| Current load capacity (standard)                  | to DIN VDE 0298-4  |
| Current load capacity min. wire                   | 4,8 A  |
| Electrical resistance line constant wire          | 57 Ω/km @ 20 °C  |
| AC withstand voltage (wire - wire)                | 2 kV @ 60 s  |
| Power frequency withstand voltage (wire - jacket) | 2 kV @ 60 s  |
| AC withstand voltage (wire - shield)              | 2 kV @ 60 s  |
| Min. operating temperature (static)               | -40 °C   |
| Max. operating temperature (fixed)                | 80 °C / 90 °C @ 10000 h Operation                              |
| Operating temperature min. (dynamic)              | -25 °C   |
| Operating temperature max. (dynamic)              | 80 °C / 90 °C @ 10000 h Operation                              |
| Flame resistance                                  | UL 1581 § 1100 FT2   UL 1581 § 1090   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 (fixed)                            | 5 x Outer diameter   |
| Bending radius (dynamic)                          | 10 x Outer diameter  |
| No. of bending cycles (C-track)                   | 5 Mio. @ 25 °C   |
| Traversing distance (C-track)                     | 5 m @ 25 °C   horizontal                                       |
| Travel speed (C-track)                            | 3,3 m/s @ 25 °C  |
| No. of torsion cycles                             | 2 Mio.   |
| Torsion stress                                    | ± 30 °/m   |
| Torsion speed                                     | 35 cycles/min  |