

## M12 male 90° / M12 female 90° A-cod.

PUR 5x0.34 gy UL/CSA 1.5m

## ⚠ NOTICE ⚠ PRODUCT IS DISCONTINUED. PLEASE HAVE A LOOK AT THE ALTERNATIVE PRODUCTS.

Male 90° - female 90°

M12 - M12, 5-pole

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

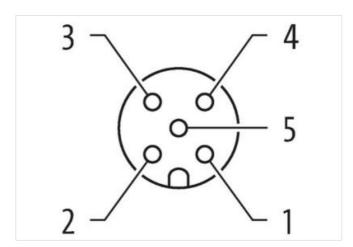
Plastic housings with good resistance against chemicals and oils.

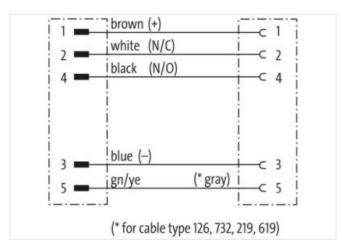
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

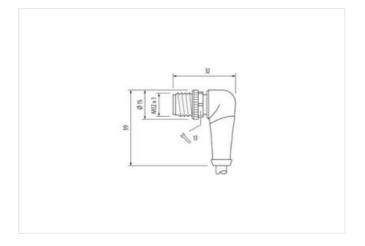
## **Link to Product**

## Illustration



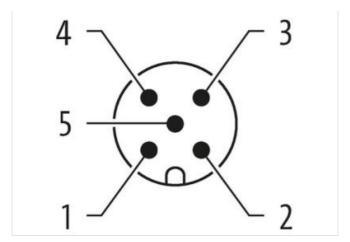


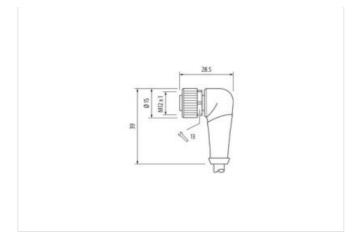






stay connected









Cable length





1,5 m







<b>3</b> -	,,
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material	PUR
Width across flats	SW13
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	4048879172196

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: 2024-05-01



stay connected

Perrating voltage AC max.   125 V	Packaging unit	1
Operating voltage DC max         125 V           Operating voltage AC (UL islated)         30 V           Current coparating per contact max.         4 A           Installation (Commenction)         M12 x 1           Mounting set         M12 x 1           Device procession (Electrical)         Installation (Commenction)           Additional condition protection degree         3           Relation Degree         3           Material group (EC 00064-1)         1           Casting so doking         Nickellord           Coating so doking         Nickellord           Coating so doking         Nickellord           Coating of filting         nickell plated           Locking material         2m cell ecasting           Mutarial grow connection         2m die casting           Mechanical distal Mutarial data         Inserted, sorewed, Shaking protection           Environmental Characteristics (Climatic         Inserted, sorewed, Shaking protection           Coperating temperature max         45 °C           Operating temperature max         45 °C           Cobering temperature max         45 °C           Caste (entititation)         25 °C           Caste (entititation)         25 °C           Caste (entitation)         27 °C	Electrical data   Supply	
Operating voltage DC max         125 V           Operating voltage AC (UL islated)         30 V           Current coparating per contact max.         4 A           Installation (Commenction)         M12 x 1           Mounting set         M12 x 1           Device procession (Electrical)         Installation (Commenction)           Additional condition protection degree         3           Relation Degree         3           Material group (EC 00064-1)         1           Casting so doking         Nickellord           Coating so doking         Nickellord           Coating so doking         Nickellord           Coating of filting         nickell plated           Locking material         2m cell ecasting           Mutarial grow connection         2m die casting           Mechanical distal Mutarial data         Inserted, sorewed, Shaking protection           Environmental Characteristics (Climatic         Inserted, sorewed, Shaking protection           Coperating temperature max         45 °C           Operating temperature max         45 °C           Cobering temperature max         45 °C           Caste (entititation)         25 °C           Caste (entititation)         25 °C           Caste (entitation)         27 °C	Operating voltage AC max.	125 V
Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         M12 x 1           Device proscion   Electrical         Value   Value		
Operating part contact max.         4 A           Current operating part contact max.         4 A           Installation [Connection]         Must 1           Mounting set         M12 x 1           Device prosection [Electrical]         Mactional protection degree           Additional condition protection degree         inserted, screwed           Pollution Dogree         3           Matterial group (EC 0604-1)         1           Coating footking         Nickeloid           Coating of fitning         nickeloid           Coating of fitning         nickeloid plated           Locking material         Zinc die casting           Material stores connection         Zinc die casting           Mechanical data   Mounting data         Mickeloid           Environmental characteristics   Climatic         Vincenting properature max.           Operating temperature max.         25 °C           Poperating temperature max.         85 °C           Additional condition temperature range         85 °C           Cable         Cable           Cable         Cable           Cable worging (apr)         2,78 °C           Cable worging (apr)         9,78 °C           Material wire         Cu wire, bare           Bealister (		
Installation   Connection         Mounting set         M12 x 1           Device protection   Electrical         Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Additional Condition   Material data         Mechanical data   Material data           Cearing Docking         Nickeled           Cearing Docking         Nickeled           Cearing Docking         Zinc de-casting           Material Screw connection         Zinc de-casting           Mechanical data   Munting data         Miscension of data   Munting data           Environmental characteristics   Climatic         Vincension   Serial Munting data           Environmental characteristics   Climatic         25 ° C           Operating temperature minx.         25 ° C           Cabic ministration         25 ° C           Cabic presenting temperature max.         85 ° C           Cabic view properture range         25 ° C           Cabic view prope		
Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Material group (TEC 60664-1)         1           Mechanical data   Material data         McKeined           Casting looking         Nickeided           Casting of fitting         nickel plated           Locking material         Zinc die casting           Macterial screw connection         Zinc die casting           Mechanical data   Mounting data         Mounting method           Environmental characteristics   Climatic         Environmental characteristics   Climatic           Environmental characteristics   Climatic         Poperating temperature min.         25 °C           Operating temperature max.         85 °C         Accessed to the popular of the period of casting of casting protection temperature range         depending on cable quality           Cable         Cable inspire (preparature max.         25 °C         Constitution temperature range         depending on cable quality           Cable in Type         2 (PURPVC)         Quality (Purpola Casting C		
Device protection   Electrical   Additional condition protection degree   3   Material group (EC 80864-1)   1		No. 4
Additional condition protection degree         inserted, screwed           Pollution Degree         3           Material group (IEC 00504-1)         1           Mechanical data   Material data         Nickeled           Ceating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Multing method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Cimate   Comparison of Com	-	M12 x 1
Pollution Degree         3           Material group (IEC 60864-1)         I           Mechanical data   Material data         Mickeled           Coasing locking         Nickeled           Coasing of fitting         nickel plated           Locking material         Zino die-casting           Material screw connection         Zino die-casting           Mechanical data   Mounting data         Mounting method           Environmental characteristics   Climatic         Coperating temperature min.         25 °C           Operating temperature max.         85 °C         Coperating temperature max.         85 °C           Additional condition temperature range         depending on cable quality         Coble           Cable identification         25         Coble quality         Coble quality           Cable Type         2 (PUR/PVC)         Approval (cable)         U. (ARMI-Style 205491731), CSA; CE conform           Cable weight (g/m)         54,78 g         Material wire         Cu wire, bare           Resistor (core)         max. 57 Q/km (20 °C)         Single wire Ø (core)         0.1 mm (mulli-strand wire class 6)           Construction (core)         42 × 0.1 mm (mulli-strand wire class 6)         Diameter (core)         5.0 34 mm²           AWG         similar to AWG 22           Mate	Device protection   Electrical	
Metarial group (IEC 60684-1)         IIII           Mechanical datal Material data           Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc dis-casting           Material screw cornection         Zinc dis-casting           Mechanical datal Mounting data         Inserted, Screwed, Shaking protection           Environmental characteristics [Climatic         Vision of Commental Characteristics [Climatic           Operating temperature minx.         85 °C           Additional condition temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Cable         Cable           Cable of Cable despit (gim)         54,78 g           Gabie (active)         UL (AWM Syle 205491731), CSA: CE conform           Cable weight (gim)         54,78 g           Material wire         Cu wire, bare           Resistor (core)         0.1 mm           Construction (core)         42,0 cm m (multi-strand wire class 6)           Dameter (core)         5 of 3 mm²           AWG         Material wire isolation         PVC           Material wire isolation         9 CFC, cadmium, silicone- and lead-free           Stranding combination         5 wies twi	Additional condition protection degree	inserted, screwed
Mechanical data   Material data         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method           Environmental characteristics   Climatic         Fundamental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Cable         225           Cable dentification         225           Cable dentification         225           Cable Type         2 (PUR/PVC)           Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cable wight [g/m]         54,78 g           Material wire         Cu wire, bare           Resistor (core)         max. 57 (2km (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42 e.0 i.mm (multi-strand wire class 8)           Diameter (core)         5 v.0.34 mm²           AWG         similar to AWG 22           Material wire isolation         PVC           Material property wire insulation		3
Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material sorew connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Operating temperature min.         2.5 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Cable         Cable           Cable (Type         2 (PURIPVC)           Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cable weight (gim)         54,78 g           Material wire         Cu wire, bare           Resistor (core)         max. 57 CXm (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42x 0.1 mm (multi-strand wire class 6)           Diameter (core)         5.0.34 mm²           Material property wire insulation         CFC, cadmium-, silicone- and lead-free           Material property wire insulation         CFC, cadmium-, silicone- and lead-free           Material property (incket)         5 wires twisted around central filler           Shicket         <	Material group (IEC 60664-1)	
Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material serve vonnection         Zinc die-casting           Mechanical data   Mounting data         Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coating demperature min.         2.5° °C           Operating temperature may         85° °C           Additional condition temperature range         depending on cable quality           Cable         Cable identification         2.25           Cable identification         2.25         Cable identification         2.25           Cable identification         2.25         Cable identification         2.25           Cable length (grim)         5.4.78 g         General plantification         2.25           Cable weight (grim)         5.4.78 g         General plantification         2.20           Material wre         Curwie, barre         Dametric (core)         max. 57 (2 km (20 °C)           Single wire Ø (core)         0.1 mm         Construction (core)         42 ° 0.1 mm (multi-strand wire class 6)           Diameter (core)         42 ° 0.1 mm (multi-strand wire class 6)         Diameter (core)         42 ° 0.1 mm (multi-strand wire class 6)           Diameter (core)         43 ° 0.3 mm (multimal	Mechanical data   Material data	
Locking material         Zinc die-casting           Material server connection         Zinc die-casting           Mechanical data   Mounting data   Mounting data   Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         2.5 °C           Operating temperature max.         85 °C         Additional condition temperature range         85 °C           Cable Operature max.         225         Cest (PUR/PVC)           Cable identification         225         Cest (PUR/PVC)           Cable identification         225         Cest (PUR/PVC)           Approval (cable)         2 (PUR/PVC)         Quiver (PUR/PVC)           Approval (cable)         U. (AWM-Style 20549/1731), CSA: CE conform           Cable weight [g/m]         54,78 g         Material wire (ore)         0.1 mm           Resistor (core)         max. 57 Ω/km (20 °C)         Single wire Ø (core)         0.1 mm           Construction (core)         42 × 0.1 mm (multi-strand wire class 6)         Auritarial property wire insulation         PVC           Material property wire insulation         PVC         Material property wire insulation         CFC , cadminum , silicone- and lead-free           Shore hardness wire isolation         1.25 mm ±5%         Auritarial property (jacket)         Fy, lk, b	Coating locking	Nickeled
Locking material         Zinc die-casting           Material server connection         Zinc die-casting           Mechanical data   Mounting data   Mounting data   Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         2.5 °C           Operating temperature max.         85 °C         Additional condition temperature range         85 °C           Cable Operature max.         225         Cest (PUR/PVC)           Cable identification         225         Cest (PUR/PVC)           Cable identification         225         Cest (PUR/PVC)           Approval (cable)         2 (PUR/PVC)         Quiver (PUR/PVC)           Approval (cable)         U. (AWM-Style 20549/1731), CSA: CE conform           Cable weight [g/m]         54,78 g         Material wire (ore)         0.1 mm           Resistor (core)         max. 57 Ω/km (20 °C)         Single wire Ø (core)         0.1 mm           Construction (core)         42 × 0.1 mm (multi-strand wire class 6)         Auritarial property wire insulation         PVC           Material property wire insulation         PVC         Material property wire insulation         CFC , cadminum , silicone- and lead-free           Shore hardness wire isolation         1.25 mm ±5%         Auritarial property (jacket)         Fy, lk, b		nickel plated
Material screw connection         Zinc die-casting           Mechanical data   Mounting data         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         25° C           Operating temperature max.         85° C           Additional condition temperature range         depending on cable quality           Cable         Verification         225           Cable identification         225         Cable Type         2 (PUR/PVC)           Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform         Celemental Cable Type         2 (PUR/PVC)           Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform         Celemental Cable Type         2 (PUR/PVC)           Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform         Celemental Cable Type         2 (PUR/PVC)           Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform         Celemental Cable Type         2 (PUR/PVC)           Resistor (core)         max. 57 Ω/km (20°C)         Single wie Ø (core)         0.1 mm         Celemental Cable Type Type Type Type Type Type Type Typ		•
Mechanical data   Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature range         85 °C           Additional condition temperature range         depending on cable quality           Cable         Cable identification         225           Cable identification         225           Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cable weight [g/m]         54,78 g           Material wire         Cu wire, bare           Resistor (core)         max. 57 (D/km (20 °C)           Single wire 20 (core)         0.1 mm           Construction (core)         42 × 0.1 mm (multi-strand wire class 6)           Diameter (core)         5 v. 3.34 mm²           AWG         similar to AWG 22           Material wire isolation         PVC           Material wire isolation         PVC           Material property wire insulation         CPC- cadmium-, silicone- and lead-free           Shore hardness wire isolation         1.25 mm ±5%           Color/numbering of wires         br, bk, bl, wh, gnye longitudinally striped           Stranding combination         5 wires twisted around central filler		· · · · · · · · · · · · · · · · · · ·
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic Operating temperature min.	Mechanical data   Mounting data	•
Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Cable         Cable           Cable identification         225           Cable Type         2 (PUR/PVC)           Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cable weight [y/m]         54,78 g           Material wire         Cu wire, bare           Resistor (core)         max. 57 Ω/km (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42× 0.1 mm (multi-strand wire class 6)           Diameter (core)         5× 0.34 mm²           AWG         similar to AWG 22           Material property wire insulation         PVC           Material property wire insulation         CFC-, cadmium-, silicone- and lead-free           Shore hardness wire isolation         43 ± 5 D           Wire-Ø incl. isolation         1.25 mm ±5%           Color/numbering of wires         br, bk, bl, wf, gnye longitudinally striped           Stranding combination         5 wires twisted around central filler           Shield         no           Material prop		inserted screwed Shaking protection
Operating temperature min.         .25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Cable           Cable identification         225           Cable Type         2 (PUR/PVC)           Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cable weight [g/m]         54.78 g           Material wire         Cu wire, bare           Resistor (core)         max. 57 Ω/km (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42× 0.1 mm (multi-strand wire class 6)           Diameter (core)         5 × 0.34 mm²           AWG         similar to AWG 22           Material wire isolation         PVC           Material property wire insulation         CFC-, cadmium-, silicone- and lead-free           Shore hardness wire isolation         43 ±5 D           Wire-Ø incl. Isolation         1.25 mm ±5%           Color/numbering of wires         br, bk, bl, wh, grye longitudinally striped           Stranding combination         5 wires twisted around central filler           Shield         no           Material property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesi		moortou, out office, or fathing protocolors
Operating temperature max. 85 °C Additional condition temperature range depending on cable quality  Cable Cable identification 225 Cable Type 2 (PUR/PVC) Approval (cable) UL (AVM-Style 20549/1731), CSA; CE conform  Cable weight [g/m] 54,78 g Material wire Cuvire, bare Resistor (core) max. 57 Ω/km (20 °C) Single wire Ø (core) 0.1 mm  Construction (core) 42 × 0.1 mm (multi-strand wire class 6) Diameter (core) 5 × 0.34 mm² AWG similar to AWG 22 Material wire isolation PVC Material wire isolation PVC Miterian property wire insulation CFC-, cadmium-, silicone- and lead-free Shore hardness wire isolation 1,25 mm ±5% Color/numbering of wires by the why the wire wire wire wire wire wire wire wir	·	05.00
Additional condition temperature range         depending on cable quality           Cable         Cable identification         25           Cable interpretation         225           Cable rype         2 (PUR/PVC)           Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cable weight [g/m]         54,78 g           Material wire         Cu wire, bare           Resistor (core)         max. 57 Ω/km (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42 × 0.1 mm (multi-strand wire class 6)           Diameter (core)         5 × 0.34 mm²           AWG         similar to AWG 22           Material wire isolation         PVC           Material wire isolation         PVC           Material wire isolation         43 ± 5 D           Vire-Ø incl. isolation         1.25 mm ±5%           Color/numbering of wires         br, bk, bl, wh, graye longitudinally striped           Stranding combination         5 visc wisted around central filler           Shield         no           Material property (jacket)         PUR/PVC           Material property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant	· · · · · · · · · · · · · · · · · · ·	
Cable           Cable (dentification)         225           Cable Type         2 (PUR/PVC)           Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cable weight (g/m)         54,78 g           Material wire         Cu wire, bare           Resistor (core)         max. 57 Ω/km (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42x. 0.1 mm (multi-strand wire class 6)           Diameter (core)         5x. 0.34 mm²           AWG         similar to AWG 22           Material wire isolation         PVC           Material wire isolation         CFC, cadmium-, silicone- and lead-free           Shore hardness wire isolation         43 ± 5 D           Wire-Ø incl. isolation         1.25 mm ±5%           Color/numbering of wires         br, bk, bl, wh, gnye longitudinally striped           Stranding combination         5 wires twisted around central filler           Shield         no           Material property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant. hydrolysis and microbial resistant           Shore hardness jacket         80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)           Outer-Ø (jacket)         5.0 mm ±5% <td< td=""><td></td><td></td></td<>		
Cable identification         225           Cable Type         2 (PUR/PVC)           Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cable weight [g/m]         54,78 g           Material wire         Cu wire, bare           Resistor (core)         max. 57 D/km (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42× 0.1 mm (multi-strand wire class 6)           Diameter (core)         5× 0.34 mm²           AWG         similar to AWG 22           Material wire isolation         PVC           Material property wire insulation         CFC-, cadmium-, silicone- and lead-free           Shore hardness wire isolation         43 ±5 D           Wire-Ø incl. isolation         1.25 mm ±5%           Color/numbering of wires         br, bk, bl, wh, gnye longitudinally striped           Stranding combination         5 wires twisted around central filler           Shield         no           Material property (jacket)         PUR/PVC           Material property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant           Shore hardness jacket         80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)           Cotor jacket <t< td=""><td>Additional condition temperature range</td><td>depending on cable quality</td></t<>	Additional condition temperature range	depending on cable quality
Cable Type         2 (PUR/PVC)           Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cable weight [g/m]         54,78 g           Material wire         Cu wire, bare           Resistor (core)         max. 57 Ω/km (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42 × 0.1 mm (multi-strand wire class 6)           Diameter (core)         5 × 0.34 mm²           AWG         similar to AWG 22           Material wire isolation         PVC           Material property wire insulation         CFC-, cadmium-, silicone- and lead-free           Shore hardness wire isolation         43 ± 5 D           Wire-Ø incl. isolation         1.25 mm ±5%           Color/numbering of wires         br, bk, bl, wh, gnye longitudinally striped           Stranding combination         5 wires twisted around central filler           Shield         no           Material jacket         PUR/PVC           Material property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant           Shore hardness jacket         80 ± 5 A (PVC-under jacket); 85 ± 5 A (PUR-jacket)           Outer-Ø (jacket)         5.0 mm ±5%           Color jacket	Cable	
Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cable weight [g/m]         54,78 g           Material wire         Cu wire, bare           Resistor (core)         max. 57 Ω/km (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42 × 0.1 mm (multi-strand wire class 6)           Diameter (core)         5 × 0.34 mm²           AWG         similar to AWG 22           Material wire isolation         PVC           Material property wire insulation         CFC-, cadmium-, silicone- and lead-free           Shore hardness wire isolation         43 ± 5 D           Wire-Ø incl. isolation         1.25 mm ±5%           Color/numbering of wires         br, bk, bl, wh, gnye longitudinally striped           Stranding combination         5 wires twisted around central filler           Shield         no           Material jacket         PUR/PVC           Material property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant           Shore hardness jacket         80 ± 5 A (PVC-under jacket); 85 ± 5 A (PUR-jacket)           Outer-Ø (jacket)         5.0 mm ±5%           Color jacket         good resistance to oil, gasoline and chemicals	Cable identification	225
Cable weight [g/m]         54,78 g           Material wire         Cu wire, bare           Resistor (core)         max. 57 Ω/km (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42 × 0.1 mm (multi-strand wire class 6)           Diameter (core)         5 × 0.34 mm²           AWG         similar to AWG 22           Material wire isolation         PVC           Material property wire insulation         CFC-, cadmium-, silicone- and lead-free           Shore hardness wire isolation         43 ±5 D           Wire-Ø incl. isolation         1.25 mm ±5%           Color/numbering of wires         br, bk, bl, wh, gnye longitudinally striped           Stranding combination         5 wires twisted around central filler           Shield         no           Material jacket         PUR/PVC           Material property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant           Shore hardness jacket         80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)           Outer-Ø (jacket)         5.0 mm ±5%           Color jacket         gray           chemical resistance         good resistance to oil, gasoline and chemicals           Nominal voltage <t< td=""><td>Cable Type</td><td>2 (PUR/PVC)</td></t<>	Cable Type	2 (PUR/PVC)
Material wire         Cu wire, bare           Resistor (core)         max. 57 Ω/km (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42 × 0.1 mm (multi-strand wire class 6)           Diameter (core)         5 × 0.34 mm²           AWG         similar to AWG 22           Material wire isolation         PVC           Material property wire insulation         CFC-, cadmium-, silicone- and lead-free           Shore hardness wire isolation         43 ±5 D           Wire-Ø incl. isolation         1.25 mm ±5%           Color/numbering of wires         br, bk, bl, wh, gnye longitudinally striped           Stranding combination         5 wires twisted around central filler           Shield         no           Material jacket         PUR/PVC           Material property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant           Shore hardness jacket         80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)           Outer-Ø (jacket)         5.0 mm ±5%           Color jacket         gray           chemical resistance         good resistance to oil, gasoline and chemicals           Nominal voltage         UL 300 V AC	Approval (cable)	UL (AWM-Style 20549/1731), CSA; CE conform
Resistor (core) max. 57 \( \textit{ Di/km (20 °C)} \)  Single wire \( \textit{ O(core} \)  Onstruction (core) 42 × 0.1 mm (multi-strand wire class 6)  Diameter (core) 5 × 0.34 mm²  AWG similar to AWG 22  Material wire isolation PVC  Material property wire insulation CFC-, cadmium-, silicone- and lead-free  Shore hardness wire isolation 43 ±5 D  Wire-\( \textit{ Oinf, in, bk, bl, wh, gnye longitudinally striped} \)  Stranding combination 5 wires twisted around central filler  Shield no  Material jacket PUR/PVC  Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant  Shore hardness jacket 80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)  Outer-\( \textit{ Q(jacket)} \)  Color jacket gray  chemical resistance good resistance to oil, gasoline and chemicals  Nominal voltage UL 300 V AC  Test voltage 2000 V AC	Cable weight [g/m]	54,78 g
Single wire Ø (core)  0.1 mm  Construction (core)  42× 0.1 mm (multi-strand wire class 6)  Diameter (core)  5× 0.34 mm²  AWG  similar to AWG 22  Material wire isolation  PVC  Material property wire insulation  CFC-, cadmium-, silicone- and lead-free  Shore hardness wire isolation  43 ±5 D  Wire-Ø incl. isolation  1.25 mm ±5%  Color/numbering of wires  br, bk, bl, wh, gnye longitudinally striped  Stranding combination  5 wires twisted around central filler  Shield  no  Material property (jacket)  PUR/PVC  Material property (jacket)  CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant  Shore hardness jacket  80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)  Outer-Ø (jacket)  5.0 mm ±5%  Color jacket  gray  chemical resistance  good resistance to oil, gasoline and chemicals  Nominal voltage  UL 300 V AC  Test voltage	Material wire	Cu wire, bare
Construction (core) 42× 0.1 mm (multi-strand wire class 6)  Diameter (core) 5× 0.34 mm²  AWG similar to AWG 22  Material wire isolation PVC  Material property wire insulation CFC-, cadmium-, silicone- and lead-free  Shore hardness wire isolation 43 ±5 D  Wire-Ø incl. isolation 1.25 mm ±5%  Color/numbering of wires br, bk, bl, wh, gnye longitudinally striped  Stranding combination 5 wires twisted around central filler  Shield no Material property (jacket) PUR/PVC  Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant Shore hardness jacket 80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)  Outer-Ø (jacket) 5.0 mm ±5%  Color jacket gray  chemical resistance good resistance to oil, gasoline and chemicals  Nominal voltage UL 300 V AC  Test voltage	Resistor (core)	max. 57 Ω/km (20 °C)
Diameter (core) 5× 0.34 mm²  AWG similar to AWG 22  Material wire isolation PVC  Material property wire insulation CFC-, cadmium-, silicone- and lead-free  Shore hardness wire isolation 43 ± 5 D  Wire-Ø incl. isolation 1.25 mm ±5%  Color/numbering of wires br, bk, bl, wh, gnye longitudinally striped  Stranding combination 5 wires twisted around central filler  Shield no  Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant  Shore hardness jacket 80 ± 5 A (PVC-under jacket); 85 ± 5 A (PUR-jacket)  Outer-Ø (jacket) 5.0 mm ±5%  Color jacket gray  chemical resistance good resistance to oil, gasoline and chemicals  Nominal voltage UL 300 V AC  Test voltage 2000 V AC	Single wire Ø (core)	0.1 mm
AWG similar to AWG 22  Material wire isolation PVC  Material property wire insulation CFC-, cadmium-, silicone- and lead-free  Shore hardness wire isolation 43 ±5 D  Wire-Ø incl. isolation 1.25 mm ±5%  Color/numbering of wires br, bk, bl, wh, gnye longitudinally striped  Stranding combination 5 wires twisted around central filler  Shield no  Material jacket PUR/PVC  Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant  Shore hardness jacket 80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)  Outer-Ø (jacket) 5.0 mm ±5%  Color jacket gray  Chemical resistance good resistance to oil, gasoline and chemicals  Nominal voltage UL 300 V AC  Test voltage 2000 V AC	Construction (core)	42x 0.1 mm (multi-strand wire class 6)
Material wire isolation       PVC         Material property wire insulation       CFC-, cadmium-, silicone- and lead-free         Shore hardness wire isolation       43 ±5 D         Wire-Ø incl. isolation       1.25 mm ±5%         Color/numbering of wires       br, bk, bl, wh, gnye longitudinally striped         Stranding combination       5 wires twisted around central filler         Shield       no         Material jacket       PUR/PVC         Material property (jacket)       CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant         Shore hardness jacket       80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)         Outer-Ø (jacket)       5.0 mm ±5%         Color jacket       gray         chemical resistance       good resistance to oil, gasoline and chemicals         Nominal voltage       UL 300 V AC         Test voltage       2000 V AC	Diameter (core)	5× 0.34 mm²
Material property wire insulation       CFC-, cadmium-, silicone- and lead-free         Shore hardness wire isolation       43 ±5 D         Wire-Ø incl. isolation       1.25 mm ±5%         Color/numbering of wires       br, bk, bl, wh, gnye longitudinally striped         Stranding combination       5 wires twisted around central filler         Shield       no         Material jacket       PUR/PVC         Material property (jacket)       CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant         Shore hardness jacket       80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)         Outer-Ø (jacket)       5.0 mm ±5%         Color jacket       gray         chemical resistance       good resistance to oil, gasoline and chemicals         Nominal voltage       UL 300 V AC         Test voltage       2000 V AC	AWG	similar to AWG 22
Shore hardness wire isolation 43 ±5 D  Wire-Ø incl. isolation 1.25 mm ±5%  Color/numbering of wires br, bk, bl, wh, gnye longitudinally striped  Stranding combination 5 wires twisted around central filler  Shield no  Material jacket PUR/PVC  Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant  Shore hardness jacket 80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)  Outer-Ø (jacket) 5.0 mm ±5%  Color jacket gray  Chemical resistance good resistance to oil, gasoline and chemicals  Nominal voltage UL 300 V AC  Test voltage 2000 V AC	Material wire isolation	PVC
Wire-Ø incl. isolation  1.25 mm ±5%  Color/numbering of wires  br, bk, bl, wh, gnye longitudinally striped  Stranding combination  5 wires twisted around central filler  Shield  no  Material jacket  PUR/PVC  Material property (jacket)  CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant  Shore hardness jacket  80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)  Outer-Ø (jacket)  5.0 mm ±5%  Color jacket  gray  chemical resistance  good resistance to oil, gasoline and chemicals  Nominal voltage  UL 300 V AC  Test voltage  2000 V AC	Material property wire insulation	CFC-, cadmium-, silicone- and lead-free
Color/numbering of wires br, bk, bl, wh, gnye longitudinally striped  Stranding combination 5 wires twisted around central filler  Shield no  Material jacket PUR/PVC  Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant  Shore hardness jacket 80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)  Outer-Ø (jacket) 5.0 mm ±5%  Color jacket gray  chemical resistance good resistance to oil, gasoline and chemicals  Nominal voltage UL 300 V AC  Test voltage 2000 V AC	Shore hardness wire isolation	43 ±5 D
Stranding combination 5 wires twisted around central filler  Shield no  Material jacket PUR/PVC  Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant  Shore hardness jacket 80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)  Outer-Ø (jacket) 5.0 mm ±5%  Color jacket gray  chemical resistance good resistance to oil, gasoline and chemicals  Nominal voltage UL 300 V AC  Test voltage 2000 V AC	Wire-Ø incl. isolation	1.25 mm ±5%
Shield no  Material jacket PUR/PVC  Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant  Shore hardness jacket 80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)  Outer-Ø (jacket) 5.0 mm ±5%  Color jacket gray  chemical resistance good resistance to oil, gasoline and chemicals  Nominal voltage UL 300 V AC  Test voltage 2000 V AC	Color/numbering of wires	br, bk, bl, wh, gnye longitudinally striped
Material jacket  PUR/PVC  Material property (jacket)  CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant  Shore hardness jacket  80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)  Outer-Ø (jacket)  5.0 mm ±5%  Color jacket  gray  chemical resistance  good resistance to oil, gasoline and chemicals  Nominal voltage  UL 300 V AC  Test voltage  2000 V AC	Stranding combination	5 wires twisted around central filler
Material property (jacket)  CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant  Shore hardness jacket  80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)  Outer-Ø (jacket)  5.0 mm ±5%  Color jacket  gray  chemical resistance  good resistance to oil, gasoline and chemicals  Nominal voltage  UL 300 V AC  Test voltage  2000 V AC	Shield	no
resistant, hydrolysis and microbial resistant  Shore hardness jacket 80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)  Outer-Ø (jacket) 5.0 mm ±5%  Color jacket gray  chemical resistance good resistance to oil, gasoline and chemicals  Nominal voltage UL 300 V AC  Test voltage 2000 V AC	Material jacket	PUR/PVC
Outer-Ø (jacket)     5.0 mm ±5%       Color jacket     gray       chemical resistance     good resistance to oil, gasoline and chemicals       Nominal voltage     UL 300 V AC       Test voltage     2000 V AC	Material property (jacket)	
Color jacket gray chemical resistance good resistance to oil, gasoline and chemicals  Nominal voltage UL 300 V AC  Test voltage 2000 V AC	Shore hardness jacket	80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)
chemical resistance good resistance to oil, gasoline and chemicals  Nominal voltage UL 300 V AC  Test voltage 2000 V AC	Outer-Ø (jacket)	5.0 mm ±5%
Nominal voltage UL 300 V AC Test voltage 2000 V AC	Color jacket	gray
Test voltage 2000 V AC	chemical resistance	good resistance to oil, gasoline and chemicals
· · · · · · · · · · · · · · · · · · ·	Nominal voltage	UL 300 V AC
Current load capacity to DIN VDE 0298-4	Test voltage	2000 V AC
	Current load capacity	to DIN VDE 0298-4

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: 2024-05-01



Temperature range (fixed)	-30+80 °C
Temperature range (mobile)	-5+80 °C
Bending radius (fixed)	10× outer Ø
Bending radius (dynamic)	15× outer Ø
No. of bending cycles (C-track)	max. 2 Mio. (25 °C)
Travel speed (C-track)	max. 3.3 m/s
Acceleration (C-track)	max. 5 m/s²