

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

PUR 5x0.34 bk UL/CSA 1m

## ⚠ 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

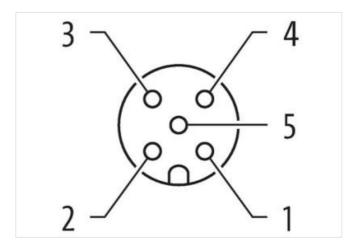
Plastic housings with good resistance against chemicals and oils.

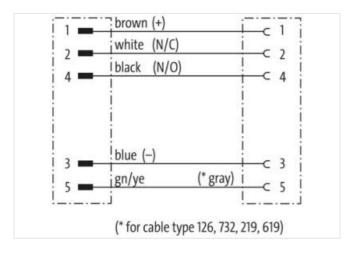
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

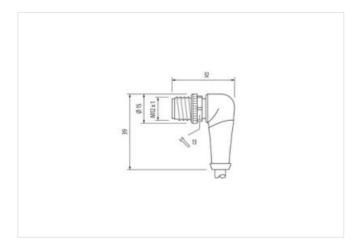
## **Link to Product**

## Illustration



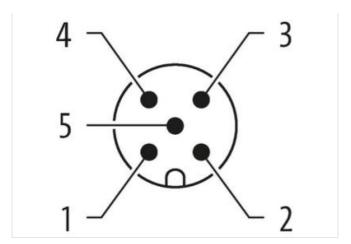


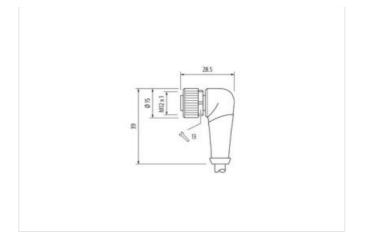






stay connected





Product may differ from Image



Cable length











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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	4048879172073

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: 2024-04-27



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Pereinting voltage AC max.   128 V	Packaging unit	1
Operating vallage DC mass         125 V           Operating vallage DC UL-listed)         30 V           Ournet operating per contact max.         4 A           Installation (Commenctor)         MU2 x 1           Mounting set         M12 x 1           Device processor [Electrical]         Additional condition prosection degree           Pollution Degree         3           Additional condition prosection degree         1           Meaned group (EC 6064-1)         1           Makenal group (EC 6064-1)         1           Casting obting         Nickeled           Casting obting         Nickeled           Casting of Mining         Nickeled           Locking material         2 nic de-casting           Material screw connection         2 nic de-casting           Musting method         Inserted, screwed, Shaking protection           Environmental characteristics   Climate         Proceeding temperature mix           Coperating temperature mix         45 °C           Operating temperature mix         45 °C           Cable internation         625           Cable internation         625           Cable internation         625           Cable internation         627           Cable internation <t< td=""><td>Electrical data   Supply</td><td></td></t<>	Electrical data   Supply	
Operating vallage DC mass         125 V           Operating vallage DC UL-listed)         30 V           Ournet operating per contact max.         4 A           Installation (Commenctor)         MU2 x 1           Mounting set         M12 x 1           Device processor [Electrical]         Additional condition prosection degree           Pollution Degree         3           Additional condition prosection degree         1           Meaned group (EC 6064-1)         1           Makenal group (EC 6064-1)         1           Casting obting         Nickeled           Casting obting         Nickeled           Casting of Mining         Nickeled           Locking material         2 nic de-casting           Material screw connection         2 nic de-casting           Musting method         Inserted, screwed, Shaking protection           Environmental characteristics   Climate         Proceeding temperature mix           Coperating temperature mix         45 °C           Operating temperature mix         45 °C           Cable internation         625           Cable internation         625           Cable internation         625           Cable internation         627           Cable internation <t< td=""><td>Operating voltage AC max.</td><td>125 V</td></t<>	Operating voltage AC max.	125 V
Operating voltage AC (UL-stelled)         30 V           Operating voltage AC (UL-stelled)         30 V           Ourrent operating per contact max.         4 A           Installation (Connection         M12 X I           Device protection (Electrical         Washington (Section (		
Operating voltage DC (UL Island)         30 Y           Current operating per contect max.         4 A           Installation (Contencion)         Mul2 x 1           Device protection   Electrical         Mul2 x 1           Additional controllar protection degree         inserted, screwed           Pollution Degree         3           Matered group (EC 8064-1)         1           Cesting locking         Nickleded           Coating of litting         nickle plated           Mechanical data   Mounting data         Mice all screw connection           Mice all screw connection         Zinc die-casting           Mechanical data   Mounting data         Mice all screw connection           Porrading properature max         -25 °C           Operating temperature max         -85 °C           Additional condition temperature range         depending on cable quality           Cable         Cable           Cable temperature range         42 °C °C           Cable temperature range         42 °C °C           Cable temperature range <td< td=""><td></td><td>30 V</td></td<>		30 V
Installation   Connection         Mounting set         M12 x 1           Device protection   Electrical         Inserted, screwed           Pollution Dugroe         3           Material group (EC 60684+1)         1           Mechanical data   Material data         Inserted (Control)   Electrical           Cashing Docking         Nickeled           Cashing Docking         Nickeled           Cashing Docking         Zinc dis-cashing           Material screw connection         25 ° C           Operating temperature min.         -25 ° C           Operating temperature minx.         -25 ° C           Cabile identification         625           Cable identification         625           Cable (Education of Control)         25 ° C           Cable (In the presture may a control of		4 A
Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Material group (EC 60064-1)         I           Mechanical data   Material data         Mickeline           Casing locking         Nickeled           Casing of fitting         nickel plated           Locking material         Zm die-casting           Material screw connection         Zm die-casting           Mechanical data   Mounting data         Image: Casting data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Properting temperature man.         25 ° C           Operating temperature man.         25 ° C         Quality           Cabic scentification temperature range         depending on cable quality           Cabic scentification temperature range         depending on cable quality           Cabic scentification temperature range         2 (PURPVC)           Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cabic visignit (gring)         54,78 g           Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Gabic veriginit (gring)         54,		
Device protection   Electrical   Additional condition protection degree   inserted, screwed   Pollution Degree   3   Material group   EC 60664-1)   1		M10 v 1
Additional condition prolection degree         inserted, screwed           Pollution Degree         3           Material group (IEC 00504-1)         1           Mechanical data   Material data         Nickled           Ceating of fitting         nickle plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting data           Mechanical data   Mounting data         Winder-december of the protection           Environmental characteristics   Climatic         Central properture man.         25 °C           Operating temperature man.         55 °C         Additional condition temperature range         depending on cable quality           Cable desired (constitution)         625         Co.           Cable in Type         2 (PURPVC)         Approval (cable)         Co. wind (cable)           Cable in Type <t< td=""><td></td><td>IVII Z X I</td></t<>		IVII Z X I
Pollution Degree         3           Material group (IEC 60684-1)         I           Mechanical data   Material data         Mechanical data   Material data           Coasing folding         Nickeled           Coasing of fitting         nickel plated           Locking material         Zinc die-casting           Meterial screw connection         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         -25 °C           Operating temperature min.         -25 °C         Coperating temperature max.         65 °C           Additional condition temperature max.         65 °C         Code Code Code Code Code Code Code Code	•	
Material group (IEC 60684.1)         I           Mechanical datal Material data         Nickeled           Coating locking material         Zinc die casting           Material screw connection         Zinc die casting           Mechanical datal Mounting data         Wickeled Stating           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics [Climatic         Coperating temperature min.         -25 °C           Operating temperature min.         -25 °C           Operating temperature max.         65 °C           Additional condition temperature range         depending on cable quality           Cable         Cable (activation)           Cable (activation)         625           Cable (activation)         56 °C           Cable (activation)         56 °C           Cable (activation)         625           Cable (activation)         54 °C	·	· · · · · · · · · · · · · · · · · · ·
Mechanical data   Material data         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Operating temperature min.         25 °C           Operating temperature max.         85 °C           Cable         Cable dontification           Cable dontification         625           Cable (antification)         625           Cable (approximation)         2 (PUR/PVC)           Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cable (application)         54,78 g.           Material wire         Cu wire, baire           Resistor (core)         max. 57 Ωkm (20 °C)           Single wire Ø (core)         0.1 mm           Diameter (core)         42 × 0.1 mm (multi-strand wire class 6)           Diameter (core)         5 v. 3.4 mm²           AWG         similar to AWG 22           Material wire isolation         PVC           Material property wire insulation         CFC , cadmium -, silicone- and lead-free           Shore hardness wire isolation	<u> </u>	3
Coating locking         Nickeled           Coating of litting         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.         25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Cable         Cable           Cable identification         625           Cable identification         625           Cable implication         6478           Cable weight (gm)         6478 g           Material wrie         Cu wire, bare           Resistor (core)         max. 57 (2Mm (20 °C)           Single wrie of (core)         0.1 mm           Construction (core)         42 × 0.1 mm (multi-strand wire class 6)           Diameter (core)         5 v.34 mm²           Material wrie isolation         CFC-, cadmium-, silicone- and lead-free           Material property wire insulation         CFC-, cadmium-, silicone- and lead-free           Store hardness wire isolation         p.V           Wire-O inct. isolat	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         Coperating temperature min.         425 °C           Operating temperature min.         425 °C           Additional condition temperature range         depending on cable quality           Cable         Cable identification         625           Cable identification         625         Cable identification         625           Cable weight [girn]         54,78 g         General property (2004)         General property (2004)           Material wire         Cu wire, bare         Common (2004)         General property (2004)         General proper	Mechanical data   Material data	
Locking material         Zinc die-casting           Material serew connection         Zinc die-casting           Mochanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         -2.5 °C           Operating temperature max.         85 °C         Additional condition temperature range         depending on cable quality           Cable         Cable identification         625         Cable identification         625           Cable Type         2 (PURIPVC)         Approval (cable)         U. (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)         1           Diameter (core)         5 × 0.34 mm²         4           Material wire isolation         PVC           Material wire isolation         PVC           Material property wire insulation         CFC-, cadmium-, silicone- and lead-free           Material property wire insulation         FVC           Stranding combination         5 wires twisted around central filler           Sirield         no	Coating locking	Nickeled
Material screw connection         Zinc die-casting           Mechaical data   Mounting data         Mounting method         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         Cable identification         625           Cable identification         625         Cable identification         625           Cable depending (g/m)         54.78 g         Cable identification         625           Cable identification         625         Cable identification         625           Cable identification         625         Cable identification         625           Cable identification         625         Cable identification         625           Cable weight (g/m)         54.78 g         Cable weight (g/m)         62.78 g           Material (g/m)         54.78 g         Material weight (g/m)         62.78 g           Resistor (core)         0.1 mm         Min (g/m) (g/m)         62.70 g/m           Single wie Ø (core)         5.0 mm (m/liti-istrand wire class 6)         Corestruction (core)         5.0.34 mm²           AWG         similar to AWG 2	Coating of fitting	nickel plated
Mechanical data   Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature range         depending on cable quality           Cable (dentification         625           Cable (abentification)         625           Cable (abentification)         625           Cable (appear)         2 (PUR/PVC)           Approval (cable)         UL (AVM/Style 20549/1731), CSA; CE conform           Cable weight [g/m]         54,78 g           Material wire         Cu wire, bare           Resistor (core)         max. 57 (J/km (20 °C)           Single wire Ø (core)         0.1 mm (multi-strand wire class 6)           Diameter (core)         42× 0.1 mm (multi-strand wire class 6)           Diameter (core)         5 v. 3.4 mm²           AWG         similar to AWG 22           Material wire isolation         PVC           Material property wire insulation         CPC, 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, bi, win, gruye longitudinally striped           Stranding combi	Locking material	Zinc die-casting
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  Cable  Cable  Cable Identification 625 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 o/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) 5× 0.34 mm² AWG similar to AWG 22 Material property wire insulation PVC Material property wire insulation PVC Material property wire insulation 43 ± 5 D Wire-Ø incl. isolation 1.25 mm ±5% Color/mumbering of wires br, kb, bl, wh, gnye longitudinally striped  Stranding combination 5 wire stwisted 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  Outer-Ø (jacket) 5, 0 mm ±5% Color jacket black chemical resistance good resistance to oil, gasoline and chemicals Nominal voltage UL 300 V AC	Material screw connection	Zinc die-casting
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         625           Cable Type         2 (PUR/PVC)           Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cable weight [ym]         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 were 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 (jack	Mechanical data   Mounting data	
Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Cable           Cable identification         625           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 5)           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         4.25 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<	Mounting method	inserted, screwed, Shaking protection
Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Cable identification         625           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 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, graye 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, hydrolys	Environmental characteristics   Climatic	
Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Cable identification         625           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 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, graye 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, hydrolys	·	-25 °C
Additional condition temperature range         depending on cable quality           Cable         Cable (lednification)         625           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 wire isolation         PVC           Wire-Ø incl. isolation         43 ± 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 property (jacket)         So m ±5%           Shore hardness jacket         80 ± 5 A (PVC-under jacket); 85 ± 5 A (PUR-jacket)         OUT-Jacket		
Cable         Cable identification         625           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 (multi-strand wire class 6)           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 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% </td <td></td> <td></td>		
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         blac		
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         black           Chemical resistance	Cable identification	625
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           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 (PVR-jacket)           Outer-Ø (jacket)         5.0 mm ±5%           Outer-Ø (jacket)         black           Chemical resistance         good resistance to oil, gasoline and chemicals           Nominal voltage         UL 300 V AC	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         9 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)           Outer-Ø (jacket)         5.0 mm ±5%           Color jacket         black           Chemical resistance         good resistance to oil, gasoline and chemicals           Nominal voltage         UL 300 V AC           Test voltage         20	Approval (cable)	UL (AWM-Style 20549/1731), CSA; CE conform
Resistor (core) max. 57 \( \Omega\) (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)  Cuter-Ø (jacket) 5.0 mm ±5%  Color jacket black  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  black  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) 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 black  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) 5x 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 black  Chemical resistance good resistance to oil, gasoline and chemicals  Nominal voltage UL 300 V AC  Test voltage	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 black  chemical resistance good resistance to oil, gasoline and chemicals  Nominal voltage UL 300 V AC  Test voltage 2000 V AC	Construction (core)	42× 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       black         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)  Color jacket  black  Chemical resistance  good resistance to oil, gasoline and chemicals  Nominal voltage  UL 300 V AC  Test voltage	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 black  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       black         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 black  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  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 black  chemical resistance good resistance to oil, gasoline and chemicals  Nominal voltage UL 300 V AC  Test voltage 2000 V AC		
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 black  chemical resistance good resistance to oil, gasoline and chemicals  Nominal voltage UL 300 V AC  Test voltage 2000 V AC		
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       black         chemical resistance       good resistance to oil, gasoline and chemicals         Nominal voltage       UL 300 V AC         Test voltage       2000 V AC		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  black  chemical resistance  good resistance to oil, gasoline and chemicals  Nominal voltage  UL 300 V AC  Test voltage  2000 V AC		
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 black chemical resistance good resistance to oil, gasoline and chemicals  Nominal voltage UL 300 V AC  Test voltage 2000 V AC	Material jacket	
Outer-Ø (jacket)     5.0 mm ±5%       Color jacket     black       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 black 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	black
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: 2024-04-27



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