

### M12 male 0° / M12 female 90° A-cod. LED

PUR 3x0.34 ye UL/CSA 9m

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

Male straight - female 90°

M12 - M12, 3-pole

2× LED (PNP), (NPN) on request

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

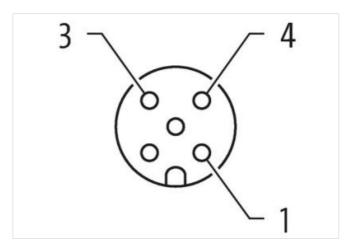
Plastic housings with good resistance against chemicals and oils.

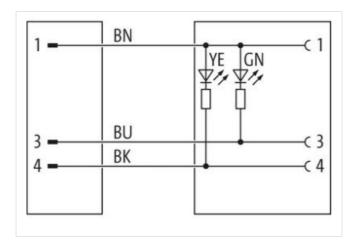
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

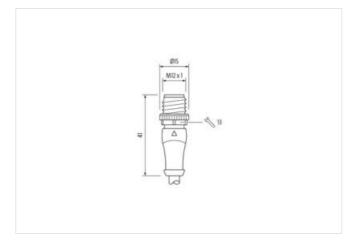
#### **Link to Product**

#### Illustration





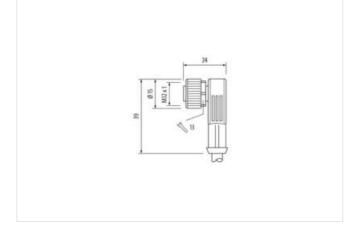






## stay connected





Product may differ from Image











Cable length	9 m
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
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, 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 $\emptyset$ )	10 mm
Material	PUR
Width across flats	SW13
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	4048879555944
Packaging unit	1
Electrical data   Supply	



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Operating voltage DC max.   U.I Isteed   S0 V	Operating voltage DC	24 V
Operating year contact max.         4 A           Disapposition         Status indication LED         green, yellow           Status indication LED         green, yellow           Institution Connection           Mounting set         M12 x 1           Device protection [Electrical           Additional condition protection degree         Institution Degree         3           Railed sorge voilage         0.8 kV         4           Material group (IE 000641)         1           Welderial distribution Degree           Costing of Mitting         Nickeled           Costing of Mitting         Nickeled           Costing of Mitting         Nickeled           Costing of Mitting         Nickeled           Material Serve connection         2mice decasting           Material Serve connection         2mice decasting           Mounting method         Inserted, screwed. Shaking protection           Environmental characteristics [ Climatic           Coperating temperature min.         25 °C           Operating temperature min.         25 °C           Operating temperature min.         25 °C	Operating voltage DC min.	18 V
Current coerating per contact max.         4 A           Diagnostics           Status indication LED         green, yellow           Installation   Connection           Mounting set         M 12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Polition Degree         3           Additional condition protection degree         3           Male of surge voltage         0.8 kV           Male of surge voltage         0.8 kV           Male of surge voltage         Nickeled           Male of surge voltage         Nickeled           Coating of fitting         Nickeled           Use of fitting         Nickeled           Male of fitting         Nickeled           Male of fitting         Nickeled           Male of fitting         Nickeled           Mount of fitting         Nickeled           Mount of fitting           Mount of fitting           Mount of fitting           Mount of fiting           Mount of fit	Operating voltage DC max.	30 V
Diagnostics           Status infociation LED         green, yellow           Installation   Connection           Mounting set         M12 x 1           Povice protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Railed surgery voltage         0,8 kV           Macharial group (IEG 60064-1)         1           Mechanical data   Material data         Incerted (Casting)           Machanical collision         Nickeled           Coating to looking         nickeled plated           Looking material         Zinc die casting           Machanical data   Munting data         Zinc die casting           Machanical data   Munting data         Zinc die casting           Machanical data   Munting data         Zinc die casting           Material screw connection         Zinc die casting           Machanical data   Munting data         Zinc die casting           Material data   Munting data         Zinc die casting           Mounting mathra         2,5 °C           Operating temperature min.         2,5 °C           Operating temperature min.         2,5 °C           Operating temperature may.         2,5 °C           Cobies         Zinc data	Operating voltage DC max. (UL-listed)	30 V
Status Indication LED         green, yellow           Instalisation Connection         M12 x 1           Device protection   Electrical         M12 x 1           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Malerial group (EC 60964-1)         1           Mochanical data   Material data         Mochanical data   Material data           Coating Jocking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die casting           Mechanical connection         Zinc die casting           Mechanical planting membrature mix         25° C           Coperating temperature min.         -25° C           Operating temperature many.         85° C           Additional condition temperature range         depending on cable quality           Contomity         Product standard         DIN EN 61078-2-101 (M12)           Cable         Cable           Cable (acting iccurs)         U. L (AWN-US)           Approval (cable)         U. L (AWN-US)           Cable veight (grid)         35.97° g           Cable veight (grid)         35.97° g           Calle veight (grid)         35	Current operating per contact max.	4 A
Installation   Connection         Mounting set         M12 x 1           Device protection   Electrical         M2 x 1           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (ICE 50984-1)         I           Mechanical data   Material data         Nickeled           Coasting of lothing         nickel plated           Locking material         Zinc die- casting           Material screw connection         Zinc die- casting           Mechanical data   Mounting data         Mounting method           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         25 °C           Operating temperature max.         85 °C         Additional condition temperature max.         45 °C           Operating temperature max.         45 °C         Condition of Condition (and the protection of Condition of Cond	Diagnostics	
Nounting set	Status indication LED	green, yellow
Device protection   Electrical	Installation   Connection	
Device protection   Electrical	Mounting set	M12 x 1
Additional condition protection degree inserted, screwed  Pollution Degree 3  3  3  3  3  3  3  3  3  3  3  3  3		
Rated surge voltage         0.8 kV           Material group (EC 60694-1)         1           Mechanical data   Material data         Nickeled           Coating of fitting         Nickeled           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Wickeled           Multimation of the mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         -25 °C           Operating temperature man.         -85 °C           Operating temperature man.         -85 °C           Operating temperature man.         -85 °C           Conformity         Product standard           Dist Experiment of the Experature range         depending on cable quality           Cable         Cable           Cable (additional condition temperature range         Cg           Cable (additional condition temperature range         Cg <td< td=""><td></td><td>incorted corowed</td></td<>		incorted corowed
Rated surge voltage   0,8 kV	· · · · ·	· · · · · · · · · · · · · · · · · · ·
Material group (IEC 60664-1)         I           Mechanical data   Material data         Incide of Coating locking         Nickeled           Coating locking material         Zinc die-casting           Meterial screw connection         Zinc die-casting           Meterial screw connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Operating temperature min.         -25 °C           Operating temperature man.         85 °C           Additional condition temperature range         depending on cable quality           Conformity         V           Product standard         DIN EN 61076-2-101 (M12)           Cable         V           Cable identification         023           Cable identification         023           Cable identification         023           Cable in yellow         UL (AWM-Style 20549/1731), CSA; CE conform           Cable weight (gm]         35,97 g           Material wire         Cu wire, bare           Resistor (core)         max. 57 Q/km (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42× 0.1 mm (multi-str		
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         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conformity         V           Product standard         DIN EN 61076-2-101 (M12)           Cable in Type         2 (PUR/PVC)           Approval (cable)         UL (AWM-Style 205491731), CSA; CE conform           Cable in Type         2 (PUR/PVC)           Approval (cable)         UL (AWM-Style 205491731), CSA; CE conform           Cable wijer [g/m]         35.97 g           Material wire         Cu wire, bare           Resistor (core)         max. 57 Ukm (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42 × 0.1 mm (milli-strand wire class 6)           Diameter (core)         3 × 0.34 mm²           AWG         similar to AWG 22           M		
Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting dats         Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climate         Volumental propertities   Climate           Operating temperature min.         425 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conformity         Volumental characteristics   Climate   Cli		
Coating of fitting         nickel plated           Locking material         Zinc die-casting           Mechanical strew 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           Conformity         Product standard         DIN EN 61076-2-101 (M12)           Cable         Cable         Cable           Cable identification         023         Q2           Gable Type         2 (PUR/PVC)           Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cable weight [g/m]         35,97 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)         3x 0.34 mm²           AWG         similar to AWG 22           Material wire isolation         PVC           Material wire isolation <td>•</td> <td>Niglealed</td>	•	Niglealed
Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Conformity  Product standard DIN En 61076-2-101 (M12)  Cable  Cable identification 923  Cable Type 2 (PUR/PVC)  Approval (cable) UL (AWM-Style 20549/1731), CSA; CE conform  Gable weight [g/m] 35,97 g  Material wire Curving max. 57 Ω/m (20 °C)  Single wire Ø (core) 1 mm  Construction (core) 42 × 0.1 mm (multi-strand wire class 6)  Diameter (core) 3 × 0.34 mm²  AWG  Material wire isolation PVC  Material property wire insulation CFC-, cadmium-, silicone- and lead-free  Shore hardness wire isolation 1.25 mm ±5%  Coloriumbering of wires DVR/PVC  Material picket PUR/PVC  Material picket School 85 A (PVC-under jacket); 85 ±5 A (PUR-jacket)  Shore hardness glacket 85 A Sm ± 55 A (PVC-under jacket); 85 ±5 A (PUR-jacket)  Outer-Ø (jacket) 4.3 mm ±5%  Country Clincket) 5.5 p 5 A (PVC-under jacket); 85 ±5 A (PVR-jacket)  Country Clincket) 4.3 mm ±5%  Country Clincket) 5.5 p 5 A (PVC-under jacket); 85 ±5 A (PVR-jacket)		
Material screw connection         Zinc die-casting           Mechaical date   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           Conformity         Product standard         DIN EN 61076-2-101 (M12)           Cable         Use of the control of t		<del>`</del>
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  Conformity  Product standard DIN EN 61076-2-101 (M12)  Cable Cable identification 023 Cable Type 2 (PUR/PVC) Approval (cable) UL (AWM-Style 20549/1731), CSA; CE conform  Cable weight [g/m] 35,97 g Material wire 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) 3 -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 3 wires twisted Shield no Material picket PUR/PVC Material picket PUR/PVC  Material property (jacket) 2,5 mm ±5% Colori/numbering of wires br, bk, bl Stranding combination 3 wires twisted Shield no Material picket PUR/PVC Material picket 9 PUR/PVC Material picket PUR/PVC Material picket 9 PUR/PVC Material picket PUR/PVC Material picket 9 PUR/PVC Material picket) 4,3 mm ±5% Shore hardness jacket 80 £5 A (PVC-under jacket); 85 ±5 A (PUR-jacket) Shore hardness jacket 4,3 mm ±5% Shore hardness jacket 80 £5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)		· · · · · · · · · · · · · · · · · · ·
Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conformity         Product standard         DIN EN 61076-2-101 (M12)           Cable         Din EN 61076-2-101 (M12)         Cable climation           Cable dentification         023         Cable Interest of the conform           Cable in Type         2 (PUR/PVC)           Approval (cable)         U. (AWM-Style 20549/1731), CSA; CE conform           Cable weight [g/m]         35.97 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)         3 × 0.34 mm²           AWC         Material wire isolation         PVC           Material vire isolation         PVC           Material property wire insulation         CFC, cadmium., silicone- and lead-free           Silve-Ø incl. isolation         1.25 mm ±5%           Color/unumbering of wires         br, lbi, bl     <		
Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Product standard           DIN EN 61076-2-101 (M12)           Cable           Cable identification         023           Cable Type         2 (PUR/PVC)           Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cable weight [g/m]         35,97 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)         3 × 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         1.25 mm ±5%           Color/numbering of wires         br, bk, bl           Stranding combination         3 wires twisted           Shield         no           Material property (jacket)         CFC-	· · · · · ·	
Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conformity           Product standard         DIN EN 61076-2-101 (M12)           Cable           Cable Interval of the Interval of Entitication           Cable (Cable (Interval))         Q23           Cable (Interval)         U. (AWM-Style 20549/1731), CSA; CE conform           Cable weight [g/m]         35,97 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)         3x 0.34 mm²           AWG         similar to AWG 22           Material wire isolation         PVC           Material wire isolation         PVC           Material wire isolation         QFC-, 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           Stranding combination         3 wires twisted		inserted, screwed, Shaking protection
Operating temperature max.	Environmental characteristics   Climatic	
Additional condition temperature range         depending on cable quality           Conformity         Product standard         DIN EN 61076-2-101 (M12)           Cable         Cable           Cable identification         023           Cable Type         2 (PUR/PVC)           Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cable weight [g/m]         35,97 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)           Diameter (core)         3× 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           Stranding combination         3 wires twisted           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	Operating temperature min.	-25 °C
Conformity         Product standard         DIN EN 61076-2-101 (M12)           Cable identification         023           Cable Type         2 (PUR/PVC)           Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cable weight [g/m]         35,97 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)         3x 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           Stranding combination         3 wires twisted           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-j		
Product standard DIN EN 61076-2-101 (M12)  Cable  Cable identification 023  Cable Type 2 (PUR/PVC)  Approval (cable) UL (AWM-Style 20549/1731), CSA; CE conform  Cable weight [g/m] 35,97 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) 3× 0.34 mm²  AWG similar to AWG 22  Material wire isolation PVC  Material wire isolation 43 ± 5 D  Wire-Ø incl. isolation 1.25 mm ±5%  Color/numbering of wires br, bk, bl  Stranding combination 3 wires twisted  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) 4.3 mm ±5%  Course Approach and Lacket (PUR-jacket)  Outer-Ø (jacket) 4.3 mm ±5%  Course Approach and Lacket (PUR-jacket)  Outer-Ø (jacket) 4.3 mm ±5%  Course Approach (jacket) (PUR-jacket)	Additional condition temperature range	depending on cable quality
Cable           Cable identification         023           Cable Type         2 (PUR/PVC)           Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cable weight [g/m]         35,97 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)         3 × 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           Stranding combination         3 wires twisted           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)         4.3 mm ±5%	Conformity	
Cable identification 023 Cable Type 2 (PUR/PVC) Approval (cable) UL (AWM-Style 20549/1731), CSA; CE conform Cable weight [g/m] 35,97 g  Material wire Cu wire, bare Resistor (core) max. 57 \( \Omega \)/m (20 °C) Single wire \( \Omega \) (core) 0.1 mm  Construction (core) 42× 0.1 mm (multi-strand wire class 6) Diameter (core) 3× 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-\( \Omega \) incl. isolation 1.25 mm ±5%  Color/numbering of wires br, bk, bl  Stranding combination 3 wires twisted 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-\( \Omega \) (jacket) 4.3 mm ±5%  COLOR-PUR-PUR-PUR-PUR-PUR-PUR-PUR-PUR-PUR-PU	Product standard	DIN EN 61076-2-101 (M12)
Cable Type         2 (PUR/PVC)           Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cable weight [g/m]         35,97 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)         3 × 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           Stranding combination         3 wires twisted           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)         4.3 mm ±5%	Cable	
Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cable weight [g/m]         35,97 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)         3x 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           Stranding combination         3 wires twisted           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)         4.3 mm ±5%	Cable identification	023
Cable weight [g/m]         35,97 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)         3 × 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           Stranding combination         3 wires twisted           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)         4.3 mm ±5%	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)       3× 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         Stranding combination       3 wires twisted         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)       4.3 mm ±5%	Approval (cable)	UL (AWM-Style 20549/1731), CSA; CE conform
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)       3× 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         Stranding combination       3 wires twisted         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)       4.3 mm ±5%	Cable weight [g/m]	35,97 g
Single wire Ø (core)  0.1 mm  Construction (core)  42× 0.1 mm (multi-strand wire class 6)  Diameter (core)  3× 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  Stranding combination  3 wires twisted  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)  4.3 mm ±5%	Material wire	Cu wire, bare
Construction (core)  42× 0.1 mm (multi-strand wire class 6)  Diameter (core)  3× 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  1.25 mm ±5%  Color/numbering of wires  br, bk, bl  Stranding combination  3 wires twisted  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)  4.3 mm ±5%	Resistor (core)	max. 57 Ω/km (20 °C)
Diameter (core)  3 × 0.34 mm²  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  Stranding combination  3 wires twisted  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)  4.3 mm ±5%	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  Stranding combination 3 wires twisted  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) 4.3 mm ±5%	• • • • • • • • • • • • • • • • • • • •	,
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  Stranding combination 3 wires twisted  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) 4.3 mm ±5%		
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         Stranding combination       3 wires twisted         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)       4.3 mm ±5%		
Shore hardness wire isolation  43 ±5 D  Wire-Ø incl. isolation  1.25 mm ±5%  Color/numbering of wires  br, bk, bl  Stranding combination  3 wires twisted  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)  4.3 mm ±5%		
Wire-Ø incl. isolation  1.25 mm ±5%  Color/numbering of wires br, bk, bl  Stranding combination 3 wires twisted  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)  4.3 mm ±5%		
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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)  4.3 mm ±5%		
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)  4.3 mm ±5%		
resistant, hydrolysis and microbial resistant  Shore hardness jacket 80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)  Outer-Ø (jacket) 4.3 mm ±5%	Material jacket	
Outer-Ø (jacket) 4.3 mm ±5%		
	Material property (jacket) Shore hardness jacket	80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)

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: 2024-05-20



chemical resistance	good resistance to oil, gasoline and chemicals
Nominal voltage	UL 300 V AC
Test voltage	2000 V AC
Current load capacity	to DIN VDE 0298-4
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