

## M12 male $0^{\circ}$ / M12 female $0^{\circ}$ A-cod.

PUR 4x0.34 bk UL/CSA 0.5m

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

Male straight - female straight

M12 - M12, 4-pole

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

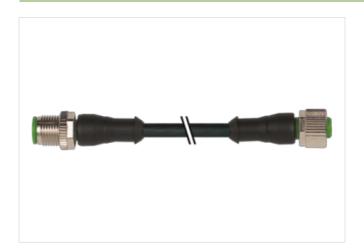
Plastic housings with good resistance against chemicals and oils.

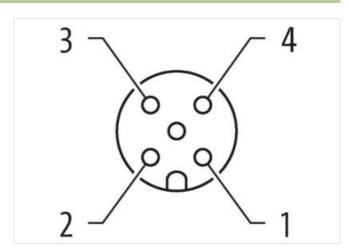
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

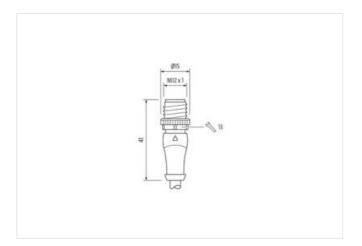
### **Link to Product**

#### Illustration





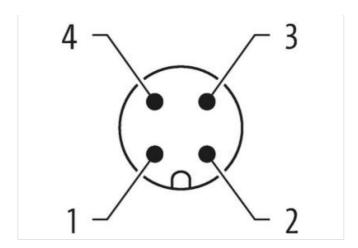






stay connected





Product may differ from Image













Cable length	0,5 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
Coding	A
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 Ø)	10 mm
Coding	A
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	4048879577724

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



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Current operating per contact max. 4 A  Installation   Connection    Nounting set   M12 x 1  Device protection   Electrical    Additional condition protection degree   maented, screwed    Pollution Degree   3  Rated surge votinge   2,5 kV    Material group (IEC 80664-1)   1  Wechanical data   Material data    Coating of titting   nickel plated    Locking material   Zinc dis-casting    Material screw connection   Zinc dis-casting    Material screw connection   Zinc dis-casting    Machanical data   Mounting data    Musturing metho   nicerted, screwed, Shaking protection    Environmental characteristics   Climatic    Departury to preparature max.   25 °C    Operating to preparature max.   85 °C    Additional condition temperature range   depending on cable quality    Important installation notes    Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.    Attention: Observe the permassible bending radii whon laying cables, as the IP protection class can be endangered by excessive bending forces.    Contormity    Product standard   DIN EN 61076-2-101 (M12)    Cable desirediation   624    Cable desirediation   624    Cable desirediation   624    Cable weight [gm]   4.6.88   9    Material wire (cable)   UL (AWWA Siyle 2054917731). CSAr, CE conform    Alterial wire (cable)   UL (AWWA Siyle 2054917731). CSAr, CE conform    Construction (core)   4.2 kJ. 1 mm (multi-strand wire class 6)    Dismeter (core)   4.9 kJ. 4 m²    AWG   Similar to AWG 22    Material wire isolation   4.9 tS. Dismeter (core)   4.9 kJ. 4 m²    Material wire isolation   4.9 tS. Dismeter (core)   4.9 kJ. 4 m²    AWG   Similar to AWG 22    Material wire isolation   4.9 tS. Dismeter (core)   4.9 kJ. kJ. who    Street hardness were isolation   4.9 tS. Dismeter (core)   4.9 kJ. kJ. who    Street hardness were isolation   4.9 tS. Dismeter (core)   4.9 kJ. kJ. who    Street hardness were isolation   4.9 tS. Dismeter (core)   4.9 kJ. kJ. who    Street hardness were isolation   4.9 tS. Dism	Packaging unit	1
Operating voltage DC max.         250 V           Operating voltage AC (UL Island)         30 V           Outrent operating per Cortical max.         4 A           Installation   Connection         M12 x 1           Povice protection   Electrical         M42 x 1           Additional condition protection degree         3           Raided surge voltage         2,6 kV           Material group (IEC 66664-1)         1           Mechanical data   Material data         Conting to Science           Conting to Science         Zinc discussing           Makerial group (IEC 66664-1)         1           Mechanical data   Material data         Zinc discussing           Mochanical data   Material data         Zinc discussing           Makerial screw connection         Zinc discussing           Makerial screw connection         Zinc discussing           Material screw connection         Minimal data   Material data	Electrical data   Supply	
Operating voltage DC max.         250 V           Operating voltage AC (UL Island)         30 V           Outrent operating per Cortical max.         4 A           Installation   Connection         M12 x 1           Povice protection   Electrical         M42 x 1           Additional condition protection degree         3           Raided surge voltage         2,6 kV           Material group (IEC 66664-1)         1           Mechanical data   Material data         Conting to Science           Conting to Science         Zinc discussing           Makerial group (IEC 66664-1)         1           Mechanical data   Material data         Zinc discussing           Mochanical data   Material data         Zinc discussing           Makerial screw connection         Zinc discussing           Makerial screw connection         Zinc discussing           Material screw connection         Minimal data   Material data	Operating voltage AC max.	250 V
Operating voltage AC (UL island) 30 V Current operating protented remax. 4 A Installation   Connection  Mounting set		250 V
Operating voltage DC (UL-Islaed) 30 V Current operating per contact max. 4 A Installation (Commencion Mounting set M12 x 1  Device protection [Electrical Additional condition protection degree inserted, screwed inserted inserted inserted inserted inserted, screwed inserted		30 V
Installation   Connection         Mounting set         M12 x 1           Device protection   Electrical         Device protection of protection degree         inserted, screwed           Pollution   Degree         3           Rated surge voilinge         2,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data           Coating locking         Nickeled           Coating of lifting         nickel plated           Locking material         Zinc die casting           Material screw connection         Zinc die casting           Machanical data   Mounting data         Mounting method           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Operating remperature max.         25 °C           Operating remperature max.         85 °C           Additional condition temperature may.         85 °C           Additional condition temperature may.         45 °C           Operating remperature max.         85 °C           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fee.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be enda	Operating voltage DC (UL-listed)	30 V
Installation   Connection         Mounting set         M12 x 1           Device protection   Electrical         Device protection of protection degree         inserted, screwed           Pollution   Degree         3           Rated surge voilinge         2,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data           Coating locking         Nickeled           Coating of lifting         nickel plated           Locking material         Zinc die casting           Material screw connection         Zinc die casting           Machanical data   Mounting data         Mounting method           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Operating remperature max.         25 °C           Operating remperature max.         85 °C           Additional condition temperature may.         85 °C           Additional condition temperature may.         45 °C           Operating remperature max.         85 °C           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fee.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be enda	Current operating per contact max.	4 A
Device protection   Electrical  Additional condition protection degree   inserted, screwed  Pollution Degree   3   3   3   3   3   3   3   3   3		
Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge vottage 2,5 kV Material group (IEC 60684-1) 1  Mechanical data   Material data Coating locking Nickeled Coating of thing nickel plated Locking material Zinc die-casting Material screw connection Zinc die-casting Material screw connection Zinc die-casting Mechanical data   Mounting data Mechanical data   Mounting data Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Deparating temperature man. 25 °C Operating temperature man. 35 °C Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Cable deletification 624 Cable indeptification (24, 26, 89) Approval (cable) UL (AWM-Style 205491731), CSA: CE conform  Cable wight [g/m] 42,88 g  Gable wight [g/m] 42,88 g  Alterial wire (core) 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) 42-0.1 mm (multi-strand wire class 6)  Material wire isolation PVG  Material property wire insulation From the strand of the connectors of the co	Mounting set	M12 x 1
Pollution Degree 3 Rated surge voltage 2,5 kV  Material group (IEC 60694-1) I  Mechanical data   Material data  Coating of fitting nickel plated  Locking material Zinc die casting  Material screw connection Zinc die casting  Material screw 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  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection diass can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Cable  Cable (cable) UL (AWML Style 20549/1731), CSA: CE conform  Cable Virgin (cable) UL (AWML Style 20549/1731), CSA: CE conform  Coatelw evigit (gm) 428 g  Material wire Core) 0.1 mm  Construction (core) 42 × 0.1 mm (multi-strand wire class 6)  Diameter (core) 44 × 0.34 mm²  AVG similar to AWG 22  Material property wire insulation 94 to D  Wire-Q incl. isolation 44 to D  Wire-Q incl. isolation 44 vires twisted 5h; bi, wh  Stranding combination 4 wires twisted 5h; bi, wh	Device protection   Electrical	
Pollution Degree 3 Rated surge voltage 2,5 kV  Material group (IEC 60694-1) I  Mechanical data   Material data  Coating of fitting nickel plated  Locking material Zinc die casting  Material screw connection Zinc die casting  Material screw 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  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection diass can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Cable  Cable (cable) UL (AWML Style 20549/1731), CSA: CE conform  Cable Virgin (cable) UL (AWML Style 20549/1731), CSA: CE conform  Coatelw evigit (gm) 428 g  Material wire Core) 0.1 mm  Construction (core) 42 × 0.1 mm (multi-strand wire class 6)  Diameter (core) 44 × 0.34 mm²  AVG similar to AWG 22  Material property wire insulation 94 to D  Wire-Q incl. isolation 44 to D  Wire-Q incl. isolation 44 vires twisted 5h; bi, wh  Stranding combination 4 wires twisted 5h; bi, wh	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking Nickeled Coating of titting nickel plated Locking material Zinc die-casting Material screw connection Zinc die-casting Mechanical data   Mounting data Mechanical data   Mounting data Mechanical data   Mounting data 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 Important installation notes  Note on Brain reliel Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard Din Note 1076-2-101 (M12)  Cable  Cable identification 624 Cable Type 2 (PUR/PVC) Approval (cable) UL (AWM-Style 205491731), CSA; CE conform  Cable weight [gm] 42,68 g  Material wire Core) 0.1 mm  Construction (core) 42,68 g  Material wire Solore) 0.1 mm  Construction (core) 42,034 mm²  Single wire O (core) 0.1 mm  Construction (core) 42,034 mm²  Material property wire insulation PVC  Material property wire insulation PVC  Material property wire insulation 43 5 D  Wire-O incl. isolation 1,25 mm ±5%  Colorinumbering of wires b, K, K, I, M  Strianding combination 4 wires twisted  Shield no Centre twisted	Pollution Degree	3
Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking Nickeled Coating of titting nickel plated Locking material Zinc die-casting Material screw connection Zinc die-casting Mechanical data   Mounting data Mechanical data   Mounting data Mechanical data   Mounting data 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 Important installation notes  Note on Brain reliel Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard Din Note 1076-2-101 (M12)  Cable  Cable identification 624 Cable Type 2 (PUR/PVC) Approval (cable) UL (AWM-Style 205491731), CSA; CE conform  Cable weight [gm] 42,68 g  Material wire Core) 0.1 mm  Construction (core) 42,68 g  Material wire Solore) 0.1 mm  Construction (core) 42,034 mm²  Single wire O (core) 0.1 mm  Construction (core) 42,034 mm²  Material property wire insulation PVC  Material property wire insulation PVC  Material property wire insulation 43 5 D  Wire-O incl. isolation 1,25 mm ±5%  Colorinumbering of wires b, K, K, I, M  Strianding combination 4 wires twisted  Shield no Centre twisted		2.5 kV
Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mechanical 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           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bratian relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bratian relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bratian relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bratian relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Cohormity         Product standard         DIN EN 61076-2-101 (M12)           Cable on the distillation of the connectors by suitable measures from mechanical loads, e.g. by the usage of ca	Material group (IEC 60664-1)	
Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mechanical 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           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bratian relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bratian relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bratian relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bratian relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Cohormity         Product standard         DIN EN 61076-2-101 (M12)           Cable on the distillation of the connectors by suitable measures from mechanical loads, e.g. by the usage of ca	Mechanical data   Material data	
Coating of fitting         nickel plated           Locking material         Zinc die-casting           Meterial screw 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           Important installation notes         Vision of strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN En 61076-2-101 (M12)           Cable         Cable intermitting and the protection class can be endangered by excessive bending forces.           Cable intermitting and the protection of the protection class can be endangered by excessive bending forces.           Collability (Cable)         DIN En 61076-2-101 (M12)           Cable weight (g/m)         42,88 g           Autorial properation of the protection of the protecti	·	Niekolod
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 mix85 °C  Additional condition temperature range depending on cable quality  Inportant installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN En 61076-2-101 (M12)  Cable  Cable identification 624  Cable identification 624  Cable identification UL (AWM-Style 20549/1731), CSA; CE conform  Cable weight [g/m] 42,68 g  Material write Cu wrie, barre  Basistor (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) 4.0 34 mm²  AWG similar to AWG 22  Material wire insulation FPC, cadmium-, silicone- and lead-free  Shore hardness wire isolation 43 ± 5 D  Wire-Out. Isolation 4 wires twisted  Shield no Division of the wires twisted  Shield no Division of the wires twisted  Shield no Division of the wires twisted		
Material screw connection Zinc die-casting  Mechanical 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  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Cable  Cable identification 624  Cable identification 624  Cable identification 624  Cable weight [g/m] 42,88 g  Material wire Q uwire, 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) 4 × 0.34 mm²  AVIG similar to AWG 22  Material wire isolation PVC  Material wire isolation 1,25 mm ±5%  Color/mumbering of wires bristed  Shield no		· · · · · · · · · · · · · · · · · · ·
Meunting 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  Inportant installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Cable  Cable identification 624  Cable Type 2 (PUR/PVC)  Approval (cable) UL (AWM-Style 20549/1731), CSA; CE conform  Cable weight [g/m] 42,68 g  Material wire Cu wire, bare  Resistor (core) max. 57 (M/m (20 °C)  Single wire Ø (core) 0.1 mm  Construction (core) 4× 0.34 mm/²  AWG similar to AWG 22  Material wire isolation PVC  Material wire isolation PVC  Material wire isolation CFC, cadmium., silicone- and lead-free  Shore hardness wire isolation 1.25 mm ±5%  Color/mumbering of wires  Nrives Misterd  Shield no		
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN En 61076-2-101 (M12)  Cable  Cable identification 624  Cable Type 2 (PUR/PVC)  Approval (cable) UL (AWM-Style 20549/1731), CSA; CE conform  Cable weight [g/m] 42,68 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) 4 × 0.34 mm²  AWG similar to AWG 22  Material wire isolation PVC  Material wire isolation 1.25 mm ±5%  Color/numbering of wires br, bk, bl, wh  Stranding combination 4 wires twisted  Shield no limit wisted  Shield 4 wires twisted		Zinc die-casting
Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fies.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Cable  Cable dentification 624  Cable (abultification 624  Cable (abultification 624)  Cable weight [g/m] 42,68 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) 4× 0.34 mm²  AWG similar to AWG 22  Material property wire insulation PVC  Material property wire insulation 1.25 mm ±5%  Color/mumbering of wires broken  Stranding combination 4 wires twisted  Shield no		
Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard           DIN EN 61076-2-101 (M12)           Cable         Cable Intervention (active transparent of the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Contentity         DIN EN 61076-2-101 (M12)           Cable depth (active transparent of the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Cable dentification         624           Cable dentification <t< td=""><td></td><td></td></t<>		
Operating temperature max.  85 °C Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Cable  Cable identification 624  Cable identification 624  Cable weight [g/m] 42,68 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-strand wire class 6)  Diameter (core) 4× 0.34 mm²  AWG similar to AWG 22  Material wire isolation PVC  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 4 wires twisted  Shield no	Environmental characteristics   Climatic	
Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Cable  Cable identification 624  Cable Type 2 (PUR/PVC)  Approval (cable) UL (AWM-Style 20549/1731), CSA; CE conform  Cable weight [g/m] 42,68 g  Material wire Couwire, bare  Resistor (core) max. 57 Q/km (20 °C)  Single wire Ø (core) 0.1 mm  Construction (core) 42× 0.1 mm (multi-strand wire class 6)  Diameter (core) 4 x 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%  Cotol/rumbering of wires by the side of the s	Operating temperature min.	-25 °C
Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Cable  Cable identification 624  Cable Type 2 (PUR/PVC)  Approval (cable) UL (AWM-Style 20549/1731), CSA; CE conform  Cable weight [g/m] 42,68 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) 4.5 × 0.34 mm²  AWG similar to AWG 22  Material 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, bit, bi, wh  Stranding combination 4 wires twisted  Shield no	Operating temperature max.	85 °C
Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Cable  Cable identification 624  Cable Type 2 (PUR/PVC) Approval (cable) UL (AWM-Style 20549/1731), CSA; CE conform  Cable weight [g/m] 42.68 g Material wire Cu wire, bare  Resistor (core) 10.1 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 (sore) 43 ± 5 D  Wire-Ø incl. isolation 1.25 mm ±5% Color/numbering of wires br, bk, bl, wh  Stranding combination 4 wires twisted Shield No	Additional condition temperature range	depending on cable quality
Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Cable  Cable identification 624  Cable Type 2 (PUR/PVC)  Approval (cable) UL (AWM-Style 20549/1731), CSA; CE conform  Cable weight [g/m] 42,68 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) 4× 0.34 mm²  AWG similar to AWG 22  Material wire isolation PVC  Material wire insulation PVC  Material wire isolation PVC  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, wh  Stranding combination 4 wires twisted  Shield no	Important installation notes	
endangered by excessive bending forces.  Conformity Product standard DIN EN 61076-2-101 (M12)  Cable  Cable identification 624  Cable Type 2 (PUR/PVC) Approval (cable) UL (AWM-Style 20549/1731), CSA; CE conform  Cable weight [g/m] 42,68 g  Material wire Cu wire, bare Resistor (core) max. 57 \( \Omega \text{km} \) (20 °C)  Single wire \( \Omega \text{core} \) 0.1 mm  Construction (core) 42× 0.1 mm (multi-strand wire class 6)  Diameter (core) 4× 0.34 mm²  AWG similar to AWG 22  Material wire isolation PVC  Material wire isolation PVC  Material wire isolation 43 ± 5 D  Wire-\( \Omega \text{incl. isolation} \) 1.25 mm ±5%  Color/numbering of wires br, bk, bl, wh  Stranding combination 4 wires twisted  Shield no	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standard         DIN EN 61076-2-101 (M12)           Cable         Cable identification         624           Cable Type         2 (PUR/PVC)           Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cable weight [g/m]         42,68 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)         4× 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           Stranding combination         4 wires twisted           Shield         no	Note on bending radius	
Cable identification 624 Cable Type 2 (PUR/PVC) Approval (cable) UL (AWM-Style 20549/1731), CSA; CE conform Cable weight [g/m] 42,68 g Material wire Cu wire, bare Resistor (core) max. 57 \(\Omega)/km (20 \circ C) Single wire \(\Omega \) (core) 0.1 mm Construction (core) 42× 0.1 mm (multi-strand wire class 6) Diameter (core) 4× 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 1.25 mm ±5% Color/numbering of wires br, bk, bl, wh Stranding combination 4 wires twisted Shield no	Conformity	
Cable identification       624         Cable Type       2 (PUR/PVC)         Approval (cable)       UL (AWM-Style 20549/1731), CSA; CE conform         Cable weight [g/m]       42,68 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)       4× 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         Stranding combination       4 wires twisted         Shield       no	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]         42,68 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)         4× 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           Stranding combination         4 wires twisted           Shield         no	Cable	
Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cable weight [g/m]         42,68 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)         4× 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           Stranding combination         4 wires twisted           Shield         no	Cable identification	624
Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cable weight [g/m]         42,68 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)         4× 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           Stranding combination         4 wires twisted           Shield         no	Cable Type	2 (PUR/PVC)
Cable weight [g/m]       42,68 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)       4× 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         Stranding combination       4 wires twisted         Shield       no	Approval (cable)	
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)       4 × 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         Stranding combination       4 wires twisted         Shield       no	Cable weight [g/m]	42,68 g
Single wire Ø (core)  O.1 mm  Construction (core)  42× 0.1 mm (multi-strand wire class 6)  Diameter (core)  4× 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  Stranding combination  4 wires twisted  Shield  no	Material wire	Cu wire, bare
Construction (core) 42× 0.1 mm (multi-strand wire class 6)  Diameter (core) 4× 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  Stranding combination 4 wires twisted  Shield no	Resistor (core)	max. 57 Ω/km (20 °C)
Diameter (core) 4× 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  Stranding combination 4 wires twisted  Shield no	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  Stranding combination 4 wires twisted  Shield no	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  Stranding combination 4 wires twisted  Shield no	Diameter (core)	4× 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  Stranding combination 4 wires twisted  Shield no	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  Stranding combination 4 wires twisted  Shield no	Material wire isolation	PVC
Wire-Ø incl. isolation 1.25 mm ±5%  Color/numbering of wires br, bk, bl, wh  Stranding combination 4 wires twisted  Shield no	Material property wire insulation	CFC-, cadmium-, silicone- and lead-free
Color/numbering of wires br, bk, bl, wh Stranding combination 4 wires twisted Shield no	Shore hardness wire isolation	43 ±5 D
Stranding combination 4 wires twisted Shield no	Wire-Ø incl. isolation	1.25 mm ±5%
Shield no	Color/numbering of wires	br, bk, bl, wh
	Stranding combination	4 wires twisted
Material jacket PUR/PVC	Shield	no
	Material jacket	PUR/PVC



## stay connected

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)	4.6 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
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/s <sup>2</sup>