

M12 male 0° / M12 female 0° A-cod.

PUR 4x0.34 bk UL/CSA 0.6m

⚠ 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

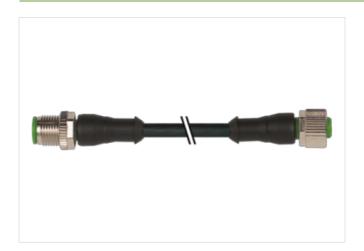
Plastic housings with good resistance against chemicals and oils.

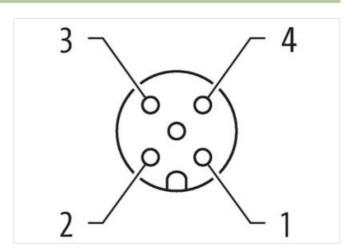
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

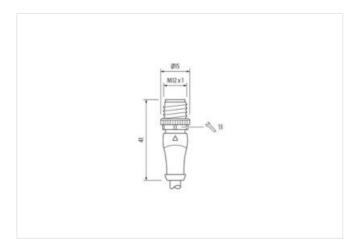
Link to Product

Illustration



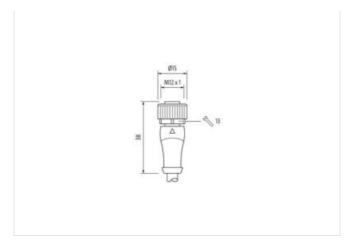


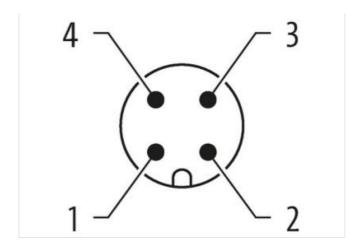






stay connected





Product may differ from Image



Cable length





0,6 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	4048879183697



stay connected

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 tSD Material wire isolation 4.9 tSD Material wire isolation 4.9 tSD Material property wire insulation 4.9 tSD Material wire solation 4.9 tSD Material wire solation 4.9 tSD Material property wire insulation 4.9 tSD Material property wire insulation 4.9 tSD Material property wire insulation 4.9 tSD M	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 disc-casting Macterial screw connection Zinc disc-casting Macterial screw connection Zinc disc-casting Macterial screw connection Zinc disc-casting Mounting method Inserted, screwed, Shaking protection Environmental characteristics Climatic Product stan in rejet	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 disc-casting Macterial screw connection Zinc disc-casting Macterial screw connection Zinc disc-casting Macterial screw connection Zinc disc-casting Mounting method Inserted, screwed, Shaking protection Environmental characteristics Climatic Product stan in rejet	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 dis- casting Material screw connection Zinc dis- casting Machanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating remperature max. 25 °C Co- Operating remperature max. 85 °C Additional condition temperature may. 85 °C Additional condition temperature may. 85 °C Additional condition temperature may. 85 °C Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes. Actionical standard Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes. Contention Cou	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 dis- casting Material screw connection Zinc dis- casting Machanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating remperature max. 25 °C Co- Operating remperature max. 85 °C Additional condition temperature may. 85 °C Additional condition temperature may. 85 °C Additional condition temperature may. 85 °C Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes. Actionical standard Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes. Contention Cou	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 Cacle weight (gm) 428 g Material wire Core) 0.1 mm Construction (core) 42 × 0.1 mm (multi-strand wire class 6) Diameter (core) 42 × 0.1 mm (multi-strand wire class 6) Diameter (core) 42 × 0.34 mm² AVG similar to AWG 22 Material property wire insulation 43 t D Wire-Q incl. isolation 4 wires twisted No continuous including of wires br, IS, II, 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 Cacle weight (gm) 428 g Material wire Core) 0.1 mm Construction (core) 42 × 0.1 mm (multi-strand wire class 6) Diameter (core) 42 × 0.1 mm (multi-strand wire class 6) Diameter (core) 42 × 0.34 mm² AVG similar to AWG 22 Material property wire insulation 43 t D Wire-Q incl. isolation 4 wires twisted No continuous including of wires br, IS, II, 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 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 of Speech (Core) Q. (PUR/PVC) Approval (cable) Q. (VIR) (PVC) Approval (cable) Q. (WAM-Style 20549/1731), CSA; CE conform Cable weight [p/m] 42,68 g Material wire Q. (Wire, Davier (20°C	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 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 of Speech (Core) Q. (PUR/PVC) Approval (cable) Q. (VIR) (PVC) Approval (cable) Q. (WAM-Style 20549/1731), CSA; CE conform Cable weight [p/m] 42,68 g Material wire Q. (Wire, Davier (20°C	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 Qu 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 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 is wires twisted Shield 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 CFC-, cadmium-, silicone- and lead-free Shore hardness wire isolation 1.25 mm ±5% Color/mumbering of wires brised None 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 Interest 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 624 Cable dentification 624 Cable dentification 624 Cable undertification		
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 PC Material wire isolation PC Material wire isolation PC Material wire isolation PC 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 Cou 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 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	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 ²