

## M12 male 0° / M12 female 0° A-cod.

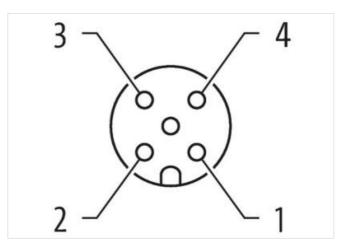
PUR 4x0.34 bk UL/CSA 4m

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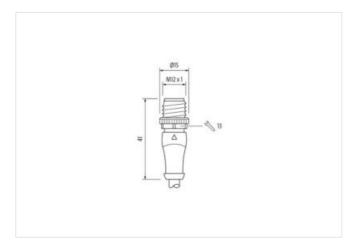
Male straight – female straight M12 – M12, 4-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product



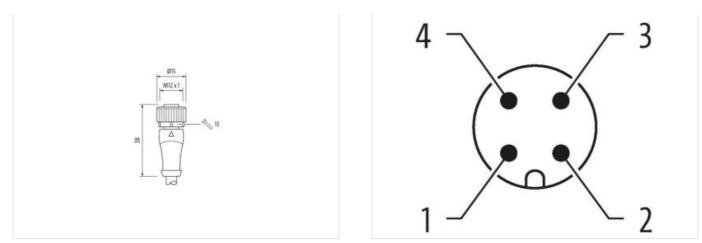






The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-05





Product may differ from Image



Cable length	4 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	Α
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Fightening torque	0,6 Nm
Mounting method	inserted, screwed
amily construction form	M12
-hread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Naterial	PUR
/idth across flats	SW13
Commercial data	
CLASS-6.0	27279218
CLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
CLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879183611

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Electrical data   Supply     250 V       Operating voltage DC max.     250 V       Operating voltage DC max.     250 V       Operating voltage DC Max.     30 V       Operating voltage DC (UL-lated)     30 V       Contrant operating voltage DC (UL-lated)     30 V       Contrant operating voltage DC (UL-lated)     4 A       Installant Connection     4 A       Installant Connection     4 A       Division Degree contast max.     4 A       Additional condition protection of spece     5 Secondatt       Division Degree contast max.     4 A       Additional Condition opticetion of spece     3 Condition Co	Packaging unit	1
Operating voltage AC max.250 YOperating voltage AC (unis.tes)250 VOperating voltage AC (unis.tes)30 VOperating voltage AC (unis.tes)30 VContract operating voltage AC (unis.tes)30 VContract operating voltage AC (unis.tes)30 VInstitution   ConnectionX 1Institution   ConnectionX 1Device protection effective1institution   ConnectionDevice protection foction opticel on effective1institution   ConnectionPolizion Operation opticel on effective1institution   ConnectionAddinate concil on protection effective1institution   ConnectionMaderal prop. (EC 00064-1)institution   ConnectionAddinate concil on effective1institution   ConnectionMaderal prop. (EC 00064-1)institution   ConnectionCoating CollingNickeledCoating CollingNickeledCoating CollingNickeledCoating Collinginstitution   ConnectionMutching methodinstitution   ConnectionMutching methodinstitution   ConnectionEnvironmental characteristics   Climatuiso ConnectionPorel Interproprieture max.85 CContract wolf wolf wolf wolf wolf wolf wolf wolf		
Operating valtage DC max.     250 V       Operating valtage DC max.     30 V       Operating valtage DC max.     4 A       Installation I Connection     Mile x 1       Device protection I Electrical     Mile x 1       Device protection I Electrical     30 V       Additional condition protection degree     3       Rated surge voltage     2,5 KV       Material Gobert 1     1       Methanization Connection (Electrical     Served       Conting Doking     Nickled       Conting Doking     Server       Metrial Screw on Nection     25 °C       Operating valtage Doking     Server       Mouring method     inserted. screwedi. Shaking protection       Environmental Characteristics [ Climatic     Goberdon       Devisting temperatu		
Operating voltage AC (UL island)     90 V       Operating voltage AC (UL island)     90 V       Concert operating per contact max.     4 A       Installation   Connection     Munting set       Bovice production   Electrical     Munting set       Additional condition protection degree     Installation       Pollution Degree     3       Radia surge voltage AC (UL island)     1       Maderal group (IEC 0064-1)     1       Machanical datal     Material group (IEC 0064-1)       Cataling doking     Nickoled       Cataling doking method     Inserted, screwed, Shaking protection       Environmetial barbarcetristics   Climatic     Climatic       Operating temperature max.     85 °C       Additional condition tores     Code       Inserted, strand relid     Protecit the connectors by suitable measures from mechanical l		
Operating vertage DC (UL-Isend)     90 V       Current operating per contact max.     4 A       Installation [Conconcion     Installation [Conconcion [Electrical       Mounting soft     M12 x 1       Device protection [Electrical     Additional condition       Additional condition protection degree     9       Rated aurge voltage     2.5 kV       Material group (IEC 60664-1)     1       Mechanical data [Material data     Coating of URIng       Coating of URIng     nickel plated       Coating of URIng     action coating of URIng       Mounting data     more coating URIng       Mounting method     lisented, screwed, Shaking protection       Environmental characteristics [Climatic     Climatic       Mounting method     lisented, screwed plated       Coating unitarial screweing proma		
Current operating per contact max.     4 A       Installation (Connection)       Working set     M12 x 1       Device protection   Electrical     Insolution set (Second Connection)       Additional condition protection degree     insolution Second Connection       Patheor Second Connection     Second Connection       Additional condition protection degree     Second Connection       Retard surge voltage     2,5 kV       Material group (EC 60664-1)     1       Mechanical data   Material data     Costing of fitting       Costing of fitting     nickel plated       Costing of fitting     nickel plated       Costing of fitting     nickel plated       Costing for fitting     nickel plated       Costing for fitting     nickel plated       Multing method     iserled, screwed, Shaking protection       Environmental Characteristics   Climatic     Geerating method screwed, Shaking protection       Environmental Characteristics   Climatic     S5 °C       Operating intergreed weak screwed, Shaking protection     Screwed screwed, Screwed, Shaking protection       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.		
Installation   Connection       Mouring pat     M12 x 1       Device protection   Electrical     Inserted, serwed       Addional condition protection organo     3       Rated surge votage     3       Rated surge votage     2.5 kV       Material group (ECE 60664-1)     I       Material group (ECE 60664-1)     Nickelad       Costing Offring     Nickelad       Material score connection     Since oceasting       Material score connection     Since oceasting       Operating temperature min.     26 'C       Operating temperature max.     85 'C       Addional condition temperature may.     85 'C       Operating temperature max.     85 'C       Addional condition temperature may.     Retrion: Observe the permissible bending radi who laying cobles, as the IP protecion class: can be consting temperature may. <tr< td=""><td></td><td></td></tr<>		
Maining aet     M12 x 1       Device protection   Electrical     Isentad, screwad       Additional condition protection degree     isentad, screwad       Paillatin Degree     3       Rated zurge voltage     2,5 kV       Material group (JFC 60664+1)     I       Device (Soffer 4)     Nickeled       Conting forting     Nickeled       Material screw connoclion     Nickeled       Conting forting     Nickeled       Mounting motion     Isofferd. screwood. Shaking protection       Experiment temperature man.     25 °C       Operating temperature man.     25 °C       Operating temperature man.     25 °C       Note on schning temperature man.     65 °C       Note on schning temperature man.     65 °C       Conternity     Protect the connectors by suitable measures from mechan	Current operating per contact max.	4 A
Device protection   Electrical     inserted, screwed       Additional condition protection degree     3       Pollution Degree     3       Rater augre voltage     2,5 KV       Material group (EC 6064-1)     1       Mechanical data   Material data     Conting only       Coating locking     Nockeld       Coating locking of titing     inclue jalend       Locking material     Zinc die casting       Material screw concetion     Zinc die casting       Material conclination     Sinc die casting       Concensity     Appendix on castin relief       Portaut installation notes     Atterition: Observe the parmissible bonding radi when laying cables, as the IP protocion class can be casting relief       Note on schain relief     Polect the concentor by suitable measures from mechanical loads, e.g. by the usage of cable tes.       Note on schain relief<	Installation   Connection	
Additional condition protection degree     inserted, screwed       Pollution Degree     3       Read surge voltage     2,5 kV       Material group (EC 60664-1)     1       Mechanical data   Material data     Nickeled       Coating of fitting     Nickeled       Coating of titing     Nickeled       Coating of titing     Nickeled       Coating discover connection     Zine die-casting       Mechanical data   Material screw connection     Zine die-casting       Mechanical data   Material screw connection     Zine die-casting       Mechanical data   Material screw connection     Zine die-casting       Material screw connection     Zine die-casting       Mechanical data   Material screw connection     Zine die-casting       Material screw connection     Sine die-casting       Material screw connection     Sine die-casting       Operating imperature min.     -25 °C       Operating temperature min.     -25 °C       Operating integrature max.     B5 °C       Additional condition temperature range     depending on cable quality       Insert and relief     Nicke the connectors by suitable measures from mechanical loads, e.g. by the usage of cab	Mounting set	M12 x 1
Pollution Degree     3       Rated surge voltage     2,5 kV       Material group (162 60664+1)     1       Mechanical data   Material data     Coating folding       Coating folding     Nickeled       Coating folding     Nickeled       Coating folding     Nickeled       Coating folding     Cine die-casting       Methal screw connection     Zine die-casting       Methal screw connection     Zine die-casting       Methal screw connection     Zine die-casting       Mounting matho     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Sere       Operating temperature min.     -25 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Se °C       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Contomity     Product standard     DIN EN 61076-2-101 (M12)       Cable     Cable Type     2 (PURPVC)       Approval (cable)     UL (AVMN-Style 20549/1731), CSA; CE conform       Cable Type     2 (PURPVC)       Ap	Device protection   Electrical	
Rated surge voitage     2.5 kV       Material group (EC 6064-1)     1       Mechanical data [Material data     Cacing locking     Nickeled       Casting of fitting     nickel plated     Cacing locking       Casting of fitting     nickel plated     Cacing locking       Methalizer voitage     Zino die-casting     Cacing locking       Methalizer voitage     Zino die-casting     Cacing locking       Methalizer voitage     Cacing locking protection     Cacing locking       Mounting method     inserted, screwed, Shaking protection     Cacing locking       Environmental characteristics [Climatic     Coperating temperature max.     25 °C       Operating temperature max.     25 °C     Cacing locking and an ocable quality       Important installation notes     Vision 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.       Cable of the fit of 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 o	Additional condition protection degree	inserted, screwed
Material group (IEC 60864-1)     I       Mechanical data   Material data     Ixikeled       Coating of Iting nickel plated     Ixikel plated       Locking material     Zinc die-casting       Material sorew connection     Zinc die-casting       Mechanical data   Mounting data     Ixiserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.     -25 °C       Operating temperature min.     -25 °C     Operating temperature min.     -25 °C       Additional condition temperature range     depending on cable quality     Important installation notes       Moter a stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lites.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending force.       Contemity     Product standard     DIN EN 1076-2-101 (M12)       Cable dentification     624     Cable dentification     624       Cable Multigning     42.8 8 g     Galematerial wire force.     Galematerial wire force.       Conterret (core)     10 µm (2018)     Galematerial wire force.     Galemating in the Mark (20 °C).	Pollution Degree	3
Mechanical data   Material data       Coating looking     Nickeled       Coating looking     nickel plated       Coating of lifting     Zinc die-casting       Material screw connection     Zinc die-casting       Methanical data   Mounting data     Inserted, screwed, Shaking protection       Methanical data   Mounting data     Inserted, screwed, Shaking protection       Mounting method     isosted, screwed, Shaking protection       Coperating temperature min.     26 °C       Operating temperature max.     85 °G       Additional condition temperature max.     85 °G       Additional condition temperature max.     85 °G       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Cotornity     Environmental admeter die screweise bending forces.       Cotornity     Environmental admeter die screweise bending forces.       Cable identification     624       Cable identification     624       Cable identification     624 Reg       Cable weidentificatin     Cu wire, bare	Rated surge voltage	2,5 kV
Coating locking     Nickeied       Coating of fitting     nickei plated       Locking material     Zinc die-casting       Material serve connection     Zinc die-casting       Material serve connection     Inserted, serwed, Shaking protection       Environmental characteristics [ Climatt     Voronmental characteristics [ Climatt       Operating temperature min.     -25 °C       Operating temperature main.     25 °C       Operatin installation notes     S5 °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 fradii when laying cables, as the IP protection class can be endangered by excessive bending fradii when laying cables, as the IP protection class can be endangered by excessive bending fradii when laying cables, as the IP protection class can be endangered by excessive bending fradii when laying cables, as the IP protection class can be endangered by excessive bending fradii when laying cables, as the IP protection class can be endangered by excessive bending fradii when laying cables, as the IP protection class can be endangered by excessive bending fradii when laying cables, as the IP protection class can be endangered by excessive bending fradii when laying cables, as the IP protection class can be endangered by excessive bending fradii when laying cables, as the IP protection class frading (Cable Classicon)       <	Material group (IEC 60664-1)	
Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting material     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature max.       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Note on strain relief       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 endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endinger	Mechanical data   Material data	
Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting material     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature max.       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Note on strain relief       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 endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endingered by excessive during radii when laying cables, as the IP protection class can be endinger		Nickeled
Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature max.     85 °C       Note on stain 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     Exceleentity       Product standard     DIN EN 61076-2-101 (M12)       Cable     Cable Type       Approval (cable)     LL (AVM-Style 20549/1731), CSA; CE conform       Cable weight [g/m]     42.68 g       Material wire (Ocre)     max. 57 2km (20 °C)       Single wire Ø (core)     0.1 mm		
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 man.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Mounting radius       Note on strain rolief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Conformity     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Cable     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Cable     DIN EN 61076-2-101 (M12)       Cable     Cable forpe       Q (PUR/PVC)       Approval (cable)     UL (AWW-Style 20549/1731), CSA; CE conform       Cable weight [g/m]     42.88 g       Material wire     Gu wire, bare       Resistor (core)     0.1 mm       Construction (core)     42.0.0 mm (multi-strand wire class 6)       Diameter (core)     4x 0.34 mm <sup>2</sup>		
Contention     Contention       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Commental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important Installation notes     Retention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Retention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Cable on bending radius     Attention: Observe the permissible bending forces.       Conformity     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Attention: Observe the permissible bending forces.     Contenting for the permissible bending forces.       Product standard     DIN EN 61076-2-101 (M12)       Cable tidentification     624       Cable Type     2 (PLR/PC)       Approval (cable)     UL (AWM-Style 20549/1731), CSA; CE conform       Cable tiden Wries     Gau Wrie, bare       Resistor (core)     max. 57 0/2 m (2 °C)       Singl	-	-
Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     -25 °C       Operating temperature max.     85 °C       Additional condition temperature max.     85 °C       Additional condition temperature max.     85 °C       Important installation notes     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 stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on stain relief     DIN EN 61076-2-101 (M12)       Cable viele/tippe     2 (PUR/PC)       Approval (cable)     UL (AWM-Style 20549/1731), CSA; CE conform       Cable wiele/tis[0]     Qui wre, bare		
Environmental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature max.     85 °C       Additional condition temperature max.     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.       Conformity     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 Identification     624     Cable Type       Cable Type     2 (PUR/PVC)       Approval (cable)     UL (AWM-Style 20549/1731), CSA; CE conform       Cable Yuej     Cu (PUR/PVC)       Approval (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)     4x 0.34 mm <sup>2</sup> Atterial vire isolation     PVC       Material vire isolation     PVC		inserted, screwed. Shaking protection
Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature mage     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     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     Protect standard       Product standard     DIN EN 61076-2-101 (M12)       Cable     Cable Type       2 (PUR/PVC)     Approval (cable)       Approval (cable)     UL (AWM-Style 20549/1731), CSA; CE conform       Cable type     2 (PUR/PVC)       Approval (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)     4x 0.34 mm²       AW	-	······································
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 lies.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Product standard       Product standard     DIN EN 61076-2-101 (M12)       Cable     Cable Identification       624     Cable rype       Cable weight [g/m]     42.68 g       Material wire     Cu k(RWM-Style 2054/1731), CSA; CE conform       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)     4× 0.34 mm²       AWG     similar to AWG 22       Material wire isolation     Q 5 D       Material wire isolation     4.25 D       Wire Ø incl. isolation     1.25 mm ±5%       Color/numbering of wi	· ·	25 °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       Product standard     DIN EN 61076-2-101 (M12)       Cable     Cable identification       624     Cable Type       Cable weight [g/m]     42.68 g       Material wire     Cu wire, bare       Resistor (core)     max. 57 0/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       Meterial wire isolation     PVC       Material property wire insulation     CFC-, cadmium-, silicone- and lead-free       Shore hardness wire isolation     1.25 mm ±5%       Color/mumbering of wires     br, bk, bl, wh       Stranding combination     4 wires twisted		
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       Product standard     DIN EN 61076-2-101 (M12)       Cable     Cable Type       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)     0.1 mm       Construction (core)     42.0 mm (multi-strand wire class 6)       Diameter (core)     4.0.34 mm²       AWG     similar to AWG 22       Material wire isolation     CFC, cadmium-, silicone- and lead-free       Shore hardness wire isolation     3 ± 5 0       Wire-Ø incl. isolation     1.25 mm ±5%       Color/mumbering of wires     br, bt, bt, wh       Stranding combination     4 wires twisted		
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     Cable       Cable     Cable (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)     Material wire     Cu wire, bare       Construction (core)     42 × 0.1 mm (multi-strand wire class 6)     Diameter (core)     42 × 0.34 mm <sup>2</sup> 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     Mire-Ø incl. isolation     1.25 mm ± 5%     Color/number 5%     Mire Sinted     Mire Sinted       Stranding combination     4 wires wisted     mo     Mire Sinted     mo     Mire Sinted		
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     Cable       Cable identification     624     Cable identification     624       Cable or provide (cable)     UL (AWM-Style 20549/1731), CSA; CE conform     Cable addition     Resistor (core)     Material wire     Cu wire, bare       Resistor (core)     max. 57 Ω/km (20 °C)     Single wire Q (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     3 ± 5 D     Wire-Q incl. isolation     1.25 mm ±5%       Color/numbering of wires     br, bk, bl, wh     Material wire strated     Browness the isolation     4 wires twisted	•	
Note on behalting radius     endangered by excessive bending forces.       Conformity       Product standard     DIN EN 61076-2-101 (M12)       Cable     Cable       Cable identification     624       Cable identification     624       Cable dentification     624       Cable identification     624       Cable dentification     624       Cable identification     624       Cable dentification     Cable dentification       Resistor (core)     max. 57 Ω/km (20 °C)       Single wire Ø (core)     0.1 mm       Construction (core)     4× 0.34 mm²       AWG     similar to AWG 22       Material property wire isolation     PVC       Material property wire i	Note on strain relief	
Product standardDIN EN 61076-2-101 (M12)CableCable identification624Cable identification624Cable identification624Cable identification624Cable weight [g/m]2 (PUR/PVC)Approval (cable)UL (AWM-Style 20549/1731), CSA; CE conformCable weight [g/m]42,68 gMaterial wireCu wire, bareResistor (core)max. 57 Ω/km (20 °C)Single wire Ø (core)0.1 mmConstruction (core)42 × 0.1 mm (multi-strand wire class 6)Diameter (core)4× 0.34 mm²AWGsimilar to AWG 22Material wire isolationPVCMaterial wire isolationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation43 ± 5 DWire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, whStranding combination4 wires twistedShieldno	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.
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	Conformity	
Cable identification624Cable Type2 (PUR/PVC)Approval (cable)UL (AWM-Style 20549/1731), CSA; CE conformCable weight [g/m]42,68 gMaterial wireCu wire, bareResistor (core)max. 57 Ω/km (20 °C)Single wire Ø (core)0.1 mmConstruction (core)42× 0.1 mm (multi-strand wire class 6)Diameter (core)4× 0.34 mm²AWGsimilar to AWG 22Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, whStranding combination4 wires twistedShieldno	Product standard	DIN EN 61076-2-101 (M12)
Cable Type2 (PUR/PVC)Approval (cable)UL (AWM-Style 20549/1731), CSA; CE conformCable weight [g/m]42,68 gMaterial wireCu wire, bareResistor (core)max. 57 Ω/km (20 °C)Single wire Ø (core)0.1 mmConstruction (core)42 × 0.1 mm (multi-strand wire class 6)Diameter (core)4× 0.34 mm²AWGsimilar to AWG 22Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, whStranding combination4 wires twistedShieldno	Cable	
Approval (cable)UL (AWM-Style 20549/1731), CSA; CE conformCable weight [g/m]42,68 gMaterial wireCu wire, bareResistor (core)max. 57 Ω/km (20 °C)Single wire Ø (core)0.1 mmConstruction (core)42× 0.1 mm (multi-strand wire class 6)Diameter (core)4× 0.34 mm²AWGsimilar to AWG 22Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, whStranding combination4 wires twistedShieldno	Cable identification	624
Cable weight [g/m]42,68 gMaterial wireCu wire, bareResistor (core)max. 57 Ω/km (20 °C)Single wire Ø (core)0.1 mmConstruction (core)42× 0.1 mm (multi-strand wire class 6)Diameter (core)4× 0.34 mm²AWGsimilar to AWG 22Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, whStranding combination4 wires twistedShieldno	Cable Type	2 (PUR/PVC)
Material wireCu wire, bareResistor (core)max. 57 Ω/km (20 °C)Single wire Ø (core)0.1 mmConstruction (core)42× 0.1 mm (multi-strand wire class 6)Diameter (core)4× 0.34 mm²AWGsimilar to AWG 22Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, whStranding combination4 wires twistedShieldno		UL (AWM-Style 20549/1731), CSA; CE conform
Resistor (core)max. 57 Ω/km (20 °C)Single wire Ø (core)0.1 mmConstruction (core)42× 0.1 mm (multi-strand wire class 6)Diameter (core)4× 0.34 mm²AWGsimilar to AWG 22Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation43 ±5 DWire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, whStranding combination4 wires twistedShieldno		42,68 g
Single wire Ø (core)0.1 mmConstruction (core)42× 0.1 mm (multi-strand wire class 6)Diameter (core)4× 0.34 mm²AWGsimilar to AWG 22Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation43 ±5 DWire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, whStranding combination4 wires twistedShieldno	Material wire	Cu wire, bare
Construction (core)42× 0.1 mm (multi-strand wire class 6)Diameter (core)4× 0.34 mm²AWGsimilar to AWG 22Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation43 ±5 DWire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, whStranding combination4 wires twistedShieldno	Resistor (core)	max. 57 Ω/km (20 °C)
Diameter (core) $4 \times 0.34 \text{ mm}^2$ AWGsimilar to AWG 22Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation $43 \pm 5 \text{ D}$ Wire-Ø incl. isolation1.25 mm $\pm 5\%$ Color/numbering of wiresbr, bk, bl, whStranding combination4 wires twistedShieldno	Single wire Ø (core)	0.1 mm
AWGsimilar to AWG 22Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation43 ±5 DWire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, whStranding combination4 wires twistedShieldno	Construction (core)	42× 0.1 mm (multi-strand wire class 6)
Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation43 ±5 DWire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, whStranding combination4 wires twistedShieldno	Diameter (core)	4× 0.34 mm <sup>2</sup>
Material property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation43 ±5 DWire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, whStranding combination4 wires twistedShieldno	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 wiresbr, bk, bl, whStranding combination4 wires twistedShieldno	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
Material jacket PUR/PVC	Shield	no
	Material jacket	PUR/PVC

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CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-

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>

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