

## M12 male 0° / M12 female 0° A-cod.

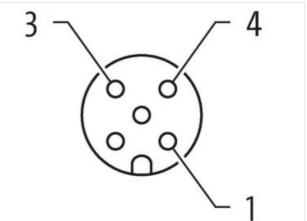
PUR 3x0.34 bk UL/CSA 2.5m

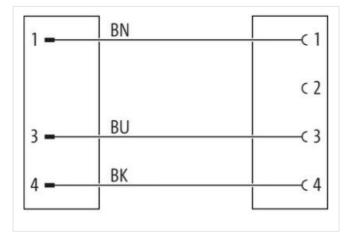
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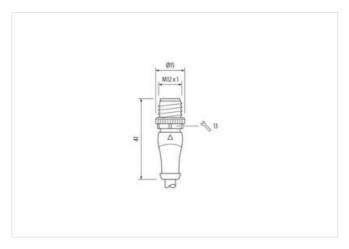
Male straight – female straight M12 – M12, 3-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product



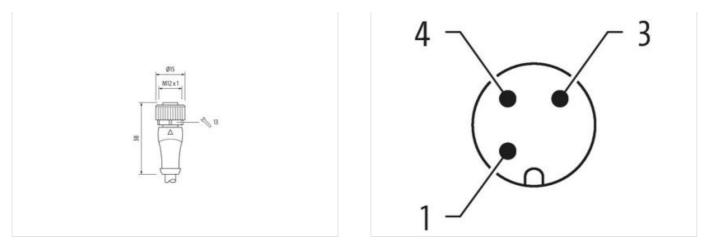






The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-18





Product may differ from Image



Cable length	2,5 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
No. of poles	3
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
No. of poles	3
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

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GTN 4     444877916600       Packaging unt     1       Electrical dals Suppy     Comparing voltage AC max.     250 V       Operating voltage AC max.     250 V     Comparing voltage AC max.     250 V       Operating voltage AC max.     250 V     Comparing voltage AC (IL, Isted)     30 V       Convert operating voltage AC (IL, Isted)     30 V     Convert operating voltage AC (IL, Isted)     30 V       Convert operating voltage AC (IL, Isted)     30 V     Convert operating voltage AC (IL, Isted)     30 V       Convert operating voltage AC (IL, Isted)     30 V     Convert operating voltage AC (IL, Isted)     30 V       Convert operating voltage AC (IL, Isted)     30 V     Convert operating voltage AC (IL, Isted)     30 V       Convert operating voltage AC (IL, Isted)     30 V     Convert operating voltage AC (IL, Isted)     30 V       Convert operating voltage AC (IL, Isted)     M2 X     N     Convert operating voltage AC (IL, Isted)     30 V       Convert operating voltage AC (IL, Isted)     1     N     Convert operating voltage AC (IL, Isted)     30 V       Convert operating voltage AC (IL, Isted)     2.5 V     Convert operating voltage AC (IL, Isted)     30 V	customs tariff number	85444290
Packaging unit     1       Electrical otals [Supply     Image: Comparing voltage AC max.     250 V       Operating voltage AC max.     250 V     Operating voltage AC max.     250 V       Operating voltage AC max.     250 V     Operating voltage AC max.     250 V       Operating voltage AC (UL-listed)     30 V     Operating voltage AC (UL-listed)     30 V       Current operating per contact max.     4 A     Image: Comparing voltage AC (UL-listed)     Technological AC (UL-listed)       Mounting Set     M12 x 1     Device protection [Electrical     Additional confideo protection darge ac maxe ac move ad a second ac dister at maxe ac move ad a second ac dister at maxe ac move ad a second ac dister at maxe ac move ad a second ac dister at maxe ac move ad a second ac dister at maxe ac move ad a second ac dister at maxe ac move ad a second ac dister at maxe ac move ad a second ac dister at maxe ac move ad a second ac dister at maxe ac move ad ac at maxe ac move ad a second ac dister at maxe ac move ad ac at maxe ac move ad ac at maxe ac move ad a second ac dister at maxe ac move ad ac at maxe ac move ad ac at maxe ac move ad a second ac dister ad ac at maxe ad ac		
Electrical data   Supply     Constrainy orising AC max.     250 V       Operatiny orising AC (ILL-Issied)     30 V     Constrainy orising AC (ILL-Issied)     30 V       Constrainy orising AC (ILL-Issied)     30 V     Constrainy orising AC (ILL-Issied)     30 V       Constrainy orising AC (ILL-Issied)     30 V     Constrainy orising AC (ILL-Issied)     30 V       Constrainty per contact max.     4 A      Issied: AC (ILL-Issied)     Issied: AC (ILL-Issied)     Issied: AC (ILL-ISSIE)		
Operating voltage AC nax.     280 V       Operating voltage CG max.     280 V       Operating voltage AC (UL-1868)     30 V       Operating voltage AC (UL-1868)     4 A       Device protection [Electrical     Male AC       Addronal condition protection degree     inserted, sorewed       Polition Dargee     3       Restart surge voltage AC     2,5 kV       Material group (EC 6006+1)     1       Mechanical data [Material data     2,5 kV       Coating dating fing     nickel plated       Coating dating     nickel plated       Coating dating mothod     instruct, sortwod, Shaking protection       Material scree wormschon     Zra die casting       Material scree wormschon     Sra C       Operating temperature min.     25 °C		
Operating voltage DC max.     290 V       Operating voltage DC (UL-listed)     30 V       Current operating per contact max.     4 A       Installation   Connection     Mounting at:       Mounting at:     M12 x 1       Device protection   Electrical     Mounting at:       Additional condition protoction degree     3       Pollution Degree     3       Rate surge voltage     2,8 kV       Material group (EG 6068-1)     I       Material group (EG 6069-1)     I       Mechanical data   Material data     Coaling of thirds       Coaling of thirds     nickle plated       Looking material     Zine die casaling       Material surge voltage     2,8 kV       Mounting material     Zine die casaling       Material surge voltage     4,8 pending on cable quality       Contemity     25 °C       Operating represtrute mix.     85		
Operating voltage AC (UL-listed)     30 V       Operating voltage AC (UL-listed)     30 V       Corrent operating or contact max.     4 A       Installion I Connection     Mounting set       Mounting set     M12 x 1       Device protection I Electrical     Additional condition protection degree       Additional condition protection degree     inserted, screwed       Publics     9 (UL-listed)       Additional Condition protection degree     3       Rated surge voltage     2,8 kV       Material prop. (UC- 00064-1)     1       Mechanical data I Material data     Cocing locking       Cocating locking     Nickeled       Cocating locking     Nickeled       Cocating locking     Nickeled       Material screw connection     Zinc die casting       Mechanical data I Nounting data     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Environmental characteristics   Climatic       Containg temperature min.     -26 °C       Additional condition temperature range     deperating on cable quality       Contains data     UPURPVC()       Approval (cabl)     UL (AWK Style		
Operating per contact max.     4 A       Installation [Concection     Mounting set     M12 x 1       Device protection [Electrical     M2 x 1       Additional condition protoction degree     3       Rated surge voltage     2,5 KV       Material group (EC 00684+)     1       Material group (EC 0068+)     1       Material storw connection     Zine die casting       Contornity     Product stande     DIN EN 61076-2-101 (M12)       Caster     Gabie     Gabie     Gabie		
Current operating per contact max.     4 A       Installation   Connection     Mile x 1       Device protection   Electrical     Additional condition protection degree     inserted, sorewed       Additional condition protection degree     inserted, sorewed     politation Degree     3       Rated surge voltage     2,5 kV     Material group, IEC 60664-1)     I       Mechanical data   Material data     Coating on thick plated     Coating thick plated     Coating thick plat		
Installation   Connection     M12 x 1       Device projection   Electrical		
Mounting set     M12 x 1       Device protection   Electrical     insented, screwed       Additional condition protection degree     is       Rated surge voltage     2,5 kV       Material group (EC 686641)     i       Mechnical data   Meterial data     Incel plated       Coaling locking     Nickeled       Coaling of fitting     nickel plated       Coaling of fitting     nickel plated       Coaling of fitting     nickel plated       Coaling forting     Xine die-casting       Methical data   Mounting data     Inserted, screwed, Shaking protection       Environmetal charcteristics   Climatic     Environmetal charcteristics   Climatic       Operating temperature min.     25 °C       Operating temperature max.     85 °C       Cational coalition is memorature range     depending on cable quality       Cational coalitication     623       Cable of mitification     623       Cable of coalitication     623 MmR </td <td>Current operating per contact max.</td> <td>4 A</td>	Current operating per contact max.	4 A
Device protection   Electrical       Addition condition protection degree     inserted, screwed       Palluation Degree     3       Rated surge voltage     2,5 kV       Material group (EC 60694-1)     1       Mechanical data   Material data     Coating locking       Coating locking     Nickeled       Coating locking of fitting     nickel plated       Locking material     Zino die casting       Material screw connection     Sino die casting       Material screw connection     Zino Sino       Contornity     Operating temperature main.     -25 °C       Operating temperature main.     -25 °C     Contornity       Probuct standard     DIN EN 61076-2-101 (M12)	Installation   Connection	
Additional condition protection degree   inserted, screwed     Pollution Dagree   3     Bated surge voltaging   2,5 kV     Material group (IEC 60664-1)   1     Mechanical dia   Material date   Image: Screwed     Coating of thing   Nickeled     Coating of thing   Nickeled     Coating of thing   Nickeled     Coating of thing   Nickeled     Material screw connection   Zine die casting     Material screw connection   Zine die casting     Mounting method   inserted, screwed, Shaking protection     Envertage temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature may.   depending on cable quality     Costing   UNE No 1076-2·101 (M12)     Cable distification   623     Cable identification   623     Cable identification   623     Cable weight [g/m]   35,97 g     Material wre	Mounting set	M12 x 1
Pollution Degree     3       Rates surge voltage     2.5 kV       Material group (IE 06084-1)     1       Mechanical data [Material data     Coating locking       Coating locking     Nickeled       Coating locking     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material sorew connection     Zin: die-casting       Mechanical data [Mounting data     Mounting method       Mounting method     inserted, screwed, Shaking protection       Cereating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conformity     Product standard       Pixe (Colloching)     DIN EN 61078-2-101 (M12)       Cable     Coable Type       Cable toge     2 (PURPVC)       Approval (cable)     UL (AWM-Style 20549/1731), CSA: CE conform       Cable togint (core)     max. 57 Ωkm (20 °C)       Singe wire Ø (core)     0.1 mm       Construction (core)     3× 0.34 mm²       Aworis have of coacio)     3× 0.34 mm²	Device protection   Electrical	
Rated surge voltage 2,5 kV   Material group (IEC 65664-1) I   Machanical data   Material data Coating locking   Nickeld Nickeld   Coating jord fitting nickel plated   Locking material Zinc die-casting   Material serve connection Zinc die-casting   Material serve connection Zinc die-casting   Material serve connection Zinc die-casting   Mouting method inserted, screwed, Shaking protection   Environmental characteristics   Gilmatic Operating temperature max.   Operating temperature max. 85 °C   Additional condition temperature max. 85 °C   Additional condition temperature max. 85 °C   Cable disentification 623   Cable Type 2 (PURPVC)   Approval (cable) UL (AWM-Style 20549/1731), CSA; CE conform   Cable Type 2 (PURPVC)   Approval (cable) UL (AWM-Style 20549/1731), CSA; CE conform   Cable type 2 (PURPVC)   Approval (cable) UL (AWM-Style 20549/1731), CSA; CE conform   Cable type 2 (PURPVC)   Approval (cable) UL (AWM-Style 20549/1731), CSA; CE conform   Cable type 3 (PURPVC)   Approval (cable) UL (AWM-Style 20549/1731), CSA; CE conform   Cable	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1)     I       Mechanical data   Material data     Coating of filing     Nickeled       Coating of filing     nickel plated     Dicking material     Zinc die-casting       Material screw connection     Zinc die-casting     Material screw connection     Zinc die-casting       Mechanical data   Mounting method     Inserted, screwed, Shaking protection     Environmental characteristics   Climatic       Operating temperature min.     -25 °C     Operating temperature max.     85 °C       Additional condition temperature max.     85 °C     Operating temperature max.     85 °C       Additional condition temperature max.     85 °C     Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality     Operating temperature max.     85 °C       Cable identification     623     Cable quality     Cable quality     Cable Type     2 (PUF)/PVC)       Approval (cable)     UL (AWM-Style 20549/1731), CSA; CE conform     Cable type     2 (PUF)/PVC)       Approval (cable)     UL (AWM-Style 20549/1731), CSA; CE conform     Cable type     2 (PUF)/PVC)       Approval (cable)     UL (AWM-Style 20549/1731), CSA; CE conform <td< td=""><td>Pollution Degree</td><td>3</td></td<>	Pollution Degree	3
Mechanical data     Mickeled       Coating locking     Nickeled       Coating of fitting     nickel plated       Locking matrinal     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     25 °C       Operating temperature max.     85 °C       Additional condition temperature may.     85 °C       Operating temperature max.     85 °C       Additional condition temperature may.     depending on cable quality       Conformity     Product standard       Product standard     DIN EN 61076-2101 (M12)       Cable     Cable identification       623     Cable weight [g/m]       Cable weight [g/m]     35.9° g       Material wire     Cu wire, bare       Resistor (core)     0.1 mm       Construction (core)     42 × 0.1 mm (multi strand wire class 6)       Diameter (core)     3 × 0.34 mm²       Medical inpoperty wire insulation     CPC, cadmium, silicone- and lead-free       Mode similar to AWG 22     Material wire isolation       Merei al (core)     3 × 0.34 mm²       Merei al (core	Rated surge voltage	2,5 kV
Coating locking     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material strew connection     Zine die-casting       Mechanical data   Mounting data     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Contrometer       Environmental characteristics   Climatic     Contrometer       Operating temperature main.     -25 °C       Operating temperature main.     85 °C       Additional condition temperature range     depending on cable quality       Contomity     Product standard       Product standard     DiN EN 61076-2-101 (M12)       Cable     Cable Identification       623     Cable Identification       Cable serving (Ig/m)     35.97 g       Material write     Cu wire, bare       Resistor (core)     max. 57 J. J. CMI (20 °C)       Single wire (Joren)     0.1 mm (multi-strand wire class 6)       Construction (core)     42-0.1 mm (multi-strand wire class 6)       Construction (core)     3.0.34 ms²       Marce     Single wire (Joren)       Material stre isolation     PVC	Material group (IEC 60664-1)	Ι
Coating of fitting     nickel plated       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 min.     -25 °C       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conformity     Environmental characteristics   Climatic       Product standard     DIN EN 61076-2-101 (M12)       Cable     Cable       Cable Type     2 (PUR/PVC)       Approval (cable)     UL (AVM/ Style 20549/1731), CSA; CE conform       Cable weight [g/m]     35.97 g       Material wire     Cu wire, bare       Resistor (core)     max. 57 2/km (20 °C)       Single wire Ø (core)     0.1 mm       Construity     Construity       Additional property wire insulation     CFC, cadmium-, silicone- and lead-free       Shore hardness wire isolation     1.25 mm ±5%       Coladurity wire subulation     S wires twist	Mechanical data   Material data	
Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Mounting method       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Environmental characteristics   Climatic       Operating temperature max.     85 °C       Additional condition temperature maxe     85 °C       Additional condition temperature range     depending on cable quality       Conformity     Product 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 weight (g/m)     35,97 g       Material wire     Gu 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)     3 × 0.34 mm²       Material wire isolation     CPC, cadmium-, silicone- and lead-free       Material property wire insulation     CPC-, cadmium-, silicone- and lead-free  <	Coating locking	Nickeled
Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Mounting method       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Environmental characteristics   Climatic       Operating temperature max.     85 °C       Additional condition temperature maxe     85 °C       Additional condition temperature range     depending on cable quality       Conformity     Product 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 weight (g/m)     35,97 g       Material wire     Gu 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)     3 × 0.34 mm²       Material wire isolation     CPC, cadmium-, silicone- and lead-free       Material property wire insulation     CPC-, cadmium-, silicone- and lead-free  <		nickel plated
Mechanical data   Mounting data       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Comparating temperature min.     -25 °C       Operating temperature max.     68 °C     Additional condition temperature range     depending on cable quality       Conformity     Product standard     DIN EN 61076-2-101 (M12)     Comparating temperature range     2 (PUR/PVC)       Cable identification     623     Cable identification     623       Cable rype     2 (PUR/PVC)     Approval (cable)     UL (AWM-Style 2054/9/1731), CSA; CE conform       Cable weight (g/m)     35,97 g     Material wire     Cu wire, bare       Resistor (core)     max. 57 Ou/km (20 °C)     Single wire Ø (core)     0.1 mm       Construction (core)     42 × 0.1 mm (multi-strand wire class 6)     Diameter (core)     42 × 0.1 mm (multi-strand wire class 6)       Diameter (core)     3 × 0.34 mm²     Material wire isolation     PVC       Material wire isolation     PVC     Material property wire insulation     CFC-, cadmum-, silicone- and lead-free       Shore hardness wire isolation     1.25 mm ±5%     Color/numbering of wires     black similar to AAL 9005 <t< td=""><td>Locking material</td><td>Zinc die-casting</td></t<>	Locking material	Zinc die-casting
Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature may.     85 °C       Additional condition temperature may.     85 °C       Conformity     Product standard       Product standard     DIN EN 61076-2-101 (M12)       Cable     623       Cable identification     623       Cable of the time intervalue in the time intervalue in	Material screw connection	Zinc die-casting
Environmental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conformity        Product standard     DIN EN 61076-2-101 (M12)       Cable        Cable identification     623       Gable Type     2 (PUR/PVC)       Adstrial wire isolation	Mechanical data   Mounting data	
Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conformity     Product standard     DIN EN 61076-2-101 (M12)       Cable     Cable     Cable identification     623       Cable distribution     623     Cable 700 (Cable 70	Mounting method	inserted, screwed, Shaking protection
Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conformity     Product standard     DIN EN 61076-2-101 (M12)       Cable     Cable     Cable identification     623       Cable distribution     623     Cable 700 (Cable 70	Environmental characteristics   Climatic	
Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conformity     Product standard     DIN EN 61076-2-101 (M12)       Cable     Cable     Cable       Cable identification     623     Cable identification     623       Cable identification     623     Cable identification     623       Cable identification     623     Cable identification     623       Cable wight [g/m]     35,97 g     Gable wight [g/m]     35,97 g       Material wire     Cu wire, bare     Resistor (core)     max. 57 Ω/km (20 °C)       Single wire Ø (core)     0.1 mm     multi-strand wire class 6)     Dianeter (core)     34.0.34 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     43.5 D       Vire-Ø incl. isolation     1.25 mm ±5%     Color/numbering of wires     black similar to RAL 9005     Stranding combination     3 wires twisted       Shield     no     Material jacket     PUR/PVC     CPC-, halogen-, cadmium-,	· · ·	-25 °C
Additional condition temperature range   depending on cable quality     Conformity     Product standard   DIN EN 61076-2-101 (M12)     Cable   Cable identification     Cable identification   623     Cable identification   623     Cable weight [g/m]   35,97 g     Material wire   Cu wire, bare     Resistor (core)   max. 57 Ω/km (20 °C)     Single wire Ø (core)   0.1 mm     Construction (core)   42× 0.1 mm (multi-strand wire class 6)     Diameter (core)   3x 0.34 mm²     AWG   similar to AWG 22     Material wire solation   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   black similar to RAL 9005     Stranding combination   3 wires twisted     Shield   no     Material jacket   PUR/PVC     Material property (jacket)   CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant	· · · ·	
Contornity       Product standard     DIN EN 61076-2-101 (M12)       Cable     Cable identification       Cable identification     623       Cable Type     2 (PUR/PVC)       Approval (cable)     UL (AWM-Style 20549/1731), CSA; CE conform       Cable weight [g/m]     35.97 g       Material wire     Cu wire, bare       Resistor (core)     max. 57 Ω/km (20 °C)       Single wire Ø (core)     0.1 mm       Construction (core)     42× 0.1 mm (multi-strand wire class 6)       Diameter (core)     3x 0.34 mm <sup>2</sup> AWG     similar to AWG 22       Material property wire insulation     FC-, cadmium-, silicone- and lead-free       Shore hardness wire isolation     43 ±5 D       Wire-Ø inci. Isolation     1.25 mm ±5%       Color/numbering of wires     black similar to RAL 9005       Stranding combination     3 wires twisted       Shield     no       Material jacket     PUR/PVC       Material property (jacket)     CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant		
Product standardDIN EN 61076-2-101 (M12)CableCable identification623Cable identification623Cable Type2 (PUR/PVC)Approval (cable)UL (AWM-Style 20549/1731), CSA; CE conformCable weight [g/m]35,97 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)3× 0.34 mm²AWGsimilar to AWG 22Material property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation43 ± 5 DWire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresblack similar to RAL 9005Stranding combination3 wires twistedShieldnoMaterial property (jacket)CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion- resistant, hydrolysis and microbial resistant		
CableCable identification623Cable Type2 (PUR/PVC)Approval (cable)UL (AWM-Style 20549/1731), CSA; CE conformCable weight [g/m]35.97 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)3× 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 wiresblack similar to RAL 9005Stranding combination3 wires twistedShieldnoMaterial property (jacket)CFC-, halogen-, cadmium-, silicone- and lead-free, mati, low-adhesion, machine easy to process, abrasion- resistant, hydrolysis and microbial resistant		
Cable identification623Cable Type2 (PUR/PVC)Approval (cable)UL (AWM-Style 20549/1731), CSA; CE conformCable weight [g/m]35,97 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)3× 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 wiresblack similar to RAL 9005Stranding combination3 wires twistedShieldnoMaterial jacketPUR/PVCMaterial jacketPUR/PVCMaterial jacketCFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant		
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Shore hardness wire isolation   43 ±5 D     Wire-Ø incl. isolation   1.25 mm ±5%     Color/numbering of wires   black similar to RAL 9005     Stranding combination   3 wires twisted     Shield   no     Material jacket   PUR/PVC     Material property (jacket)   CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant		
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resistant, hydrolysis and microbial resistant	Material jacket	
Shore hardness jacket 80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)		resistant, hydrolysis and microbial resistant
	Shore hardness jacket	80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-18



Outer-Ø (jacket)	4.3 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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