

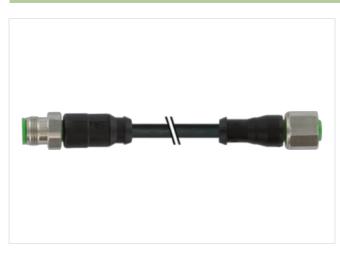
M12 male 0° / M12 female 0° A-cod. V2A

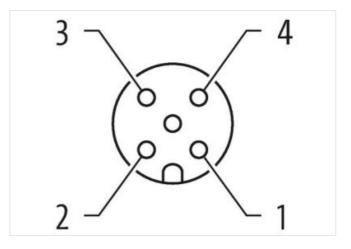
PUR 4x0.34 bk UL/CSA 1m

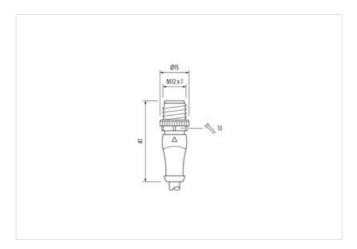
Male straight – female straight M12 – M12, 4-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Stainless steel 1.4305 (V2A) Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

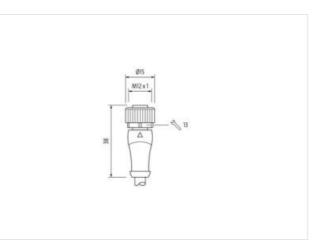
Link to Product

Illustration



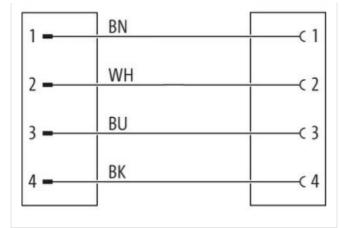


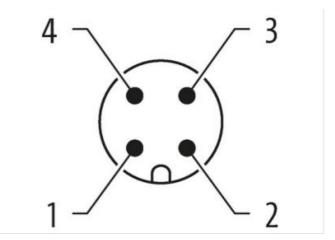




The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-20 Murrelektronik GmbH | Falkenstraße 3 | 71570 Oppenweiler | Fon +49 (71 91) 47-0 | Fax +49 (71 91) 47-491000 | shop@murrelektronik.de | shop.murrelektronik.de







Product may differ from Image



| Cable length | 1 m |
|---|----------------|
| Side 1 | |
| Tightening torque | 0,6 Nm |
| Family construction form | M12 |
| Thread | M12 x 1 |
| suitable for corrugated tube (internal Ø) | 10 mm |
| Coding | A |
| Width across flats | SW13 |
| Degree of protection (EN IEC 60529) | IP66K, IP67 |
| Side 2 | |
| Tightening torque | 0,6 Nm |
| Family construction form | M12 |
| Thread | M12 x 1 |
| Coding | A |
| Degree of protection (EN IEC 60529) | IP66K, IP67 |
| 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 | 4048879355421 |
| Packaging unit | 1 |
| Electrical data Supply | |
| Operating voltage AC max. | 050.1/ |
| operating voltage AO max. | 250 V |
| Operating voltage DC max. | 250 V 250 V |

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Murrelektronik GmbH | Falkenstraße 3 | 71570 Oppenweiler | Fon +49 (71 91) 47-0 | Fax +49 (71 91) 47-491000 | shop@murrelektronik.de | shop.murrelektronik.de



| 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 x 0.1 mm (multi-strand wire class 6)Diameter (core)4 × 0.34 mm ⁰ 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 twistedShieldnoMaterial property (jacket)CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistantShore hardness jacket80 ± 5 A (PVC-under jacket); 85 ± 5 A (PUR-jacket)Outer-Ø (jacket)4 & mm ±5%Color jacketblackchemical resistancegood resistance to il, gasoline and chemicalsNormial voltageUL 300 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-30+80 °C | Operating voltage DC (UL-listed) | 30 V |
|--|--|--|
| Additorial condition protection degreeinserted, sorewedPolution Degree3Material group (EV 6064-1)1Material dots (EV 6064-1)ValuationMaterial dots (EV 6064-1)Starlies steel 1.405 (V2A)Material dots (EV 6064-1)Starlies steel 1.405 (V2A)Material dots (Evented Starlies steel 1.405 (V2A)Valuation (EV 6000000000000000000000000000000000000 | Current operating per contact max. | 4 A |
| Poluzion Degree 3 Material group (IEC 60064-1) I Mechanical dical, Meterial data Mechanical dical, Meterial data Mechanical dical, Mourting data Stainless statul 1.4305 (V2A) Mechanical dical, Mourting data Inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temporature min. 25 °G Operating temporature min. 25 °G Operating temporature min. 25 °G Operating temporature min. 25 °G Operating temporature min. 25 °G Operating temporature min. 25 °G Operating temporature min. 25 °G Operating temporature min. 25 °G Operating temporature max. 26 °G Motion strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable les. Attention: Observe the parmissible bending tools: Contromity DNE N 610762-101 (M12): Cable Cable inform Cable | Device protection Electrical | |
| Material group (EE 6066+1) I Machanical data Material focusing PUR Locking maturial Stanless steel 1.4005 (V2A) Machanizati data Machanizati data Munufing mithoria Inserted, sorewed, Shaking protoction Environmental characteristics Olimatic Operating temperature max. 85 °C Operating temperature max. 85 °C Operating temperature max. 85 °C Additional condition temperature may. depending on cable quality Montant temperature max. 85 °C Motion stain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tites. Attention: Cotewore the permissible bending radix when laying cables: as the IP protection class can be endangered by excessive bending torces. Control DIN EN 81076-2-101 (M12) Cable Cable definition 624 Cable teefonition 624 Cable teefonication 624 Cable teefonition Cable radio Cable teefonication 624 Cable teefonition Cable radio (radio) | Additional condition protection degree | inserted, screwed |
| Material coulong PUR Cacking material Staminies steel 1.4505 (V2A) Material nousing PUR Cacking material Isserted, screwed, Shaking protection Environmental characteristics Climatic Protection Operating temperature man. 85 °C Operating temperature man. 85 °C Additional condition temperature range deponding on cable quality Important Installation notes Material no. Concerv the prevention the baying cables, as the IP protection class can be endangered by excessive bending torces. Colonanty Product stamp cables, as the IP protection class can be endangered by excessive bending torces. Cable on bending radius 624 Cable on bending radius 624 Cable on bending radiu UL (AVMA-Style 205491731), CSA, CE conform Cable signifu (form) 42.68 g Material wire (core) 0.1 rum (multi-strand wire class 6) Cable signifu (form) 42.63 rum (form) Resistor (core) 4.0.54 rum (form) Signifu (ford) PVC Material wire instalino 63 ± 50 Cable signifu (form) 4.0.54 rum (form) Re | Pollution Degree | 3 |
| Material housingPURLocking makerialSkinkess skeh 1.4305 (V2A)Mochanical data [Mounting dataMounting mithodinserted, screwed, Shaking protoctionEnvironmental characteristics [ClimaticEnvironmental characteristics [ClimaticOperating temperature max.25 °COperating temperature max.25 °CAdditional condition temperature may.25 °CMotor stain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files.Note on stain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files.ConternityProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files.Cable on start methodS14 ENTOFe-2-101 (M12)CableCable Start S | Material group (IEC 60664-1) | |
| Locking maturial Statiless steel 1 4305 (V2A) Mechanical datal (Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Climatic Operating temperature max. 25 °C Additional condition temperature may depending on cable quality Important installation notes Note on scrain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes. Nate on scrain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes. Nate on scrain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes. Octoremity Environmental (Cable Control Co | Mechanical data Material data | |
| Mechanical data Mounting data inserted, screwed, Shaking protection Environmental characteristics Climatic Operating isomerature max. 25 °C Operating isomerature max. 85 °C Additional condition temperature max. 85 °C Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lise. Note on tending radius Attention: Observe the permissible bending fracti. when keying cables, as the IP protection dass can be ending forces. Conternity Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lise. Additional Condition: 624 Cable identification 62 <t< td=""><td>Material housing</td><td>PUR</td></t<> | Material housing | PUR |
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| Operating temperature min. 25 °C Operating temperature max. 85 °C Additional condition temperature many depending on cable quality Important installation notes Environmentation mathematical loads, e.g. by the usage of cable lies. Note on strain rollef Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies. Note on bending radius Attention: Observe the permissible bending radiu when aying cables, as the IP protection class can be endingered by accessible bending forces. Conternity Product standard Product standard DIN EN 61076-2101 (M12) Cable Cable Tope Cable identification 624 Cable identification 62 (INWHShyle 20549/731), CSA; CE conform Caster identification Cu wire, bare Resistor (core) max, ST Okm (20 °C) Single wire Ø (core) <td>Mounting method</td> <td>inserted, screwed, Shaking protection</td> | Mounting method | inserted, screwed, Shaking protection |
| Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation netes 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. 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 Gave Resister (core) max. 57 0/km (20 °C) Single wire Ø (core) 0.1 mm Construction (core) 4x.0.34 mm ⁴ AWG similar to AWG 22 Material wrise folation PVC | Environmental characteristics Climatic | |
| 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 branding radus Attention: Observe the permissibile bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Contormity Product standard DNE No 1076-2-101 (M12) Cable Cable identification 624 Damiter identification 624 Cable identification 624 Cable identification 0.1 mm (multi-strand wire class 6) | Operating temperature min. | -25 °C |
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| 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 Conformity Conformity Cable form 624 Conformity Cable form 624 Conformity Apprval (cable) UL (AWM-Style 20549/1731), CSA; CE conform Cable Cable wire (core) max. 57 Q/km (20 °C) Cable view, bare Censult (20 °C) Single wire Q (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) 43× 35 D Wire-G (core) 42× 0.1 mm (multi-strand wire class 6) Diameter (core) 43× 55 D Meansity Single wire Q (core) 50 /km (20 °C) Single wire installation FVC Material property wire installation FVC Construction (core) 43× 5D Single wire installation FVC Sinsthe harchess wire | Additional condition temperature range | depending on cable quality |
| Note on bending radius Attention: Observe the permissible bending forces. Conformity Product standard DIN EN 61076-2-101 (M12) Cable Cable (dentification 624 Cable (dentification 624 Cable (dentification) 624 Cable (admitication 624 Cable (dentification) 624 Cable (gene) LL (AVMM-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) 42× 0.1 mm (multi-strand wire class 6) Diameter (core) 43× 0.3 mm? AWG similar to AWG 22 Material wire insulation PVC Material property wire insulation Store hardness wire isolation 43 ± 5 D Wire 40 (core) 43 ± 5 D Wire Join Lisolation 1.25 mm ±5%. Colorinumbering of wires br, bk, bl, wh Stranding combination 4 ± 5 A (PVC - under place). Cable (core) CPC- halogen- cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, l | Important installation notes | |
| Note on bending radius Attention: Observe the permissible bending forces. Conformity Product standard DIN EN 61076-2-101 (M12) Cable Cable (dentification 624 Cable (dentification 624 Cable (dentification) 624 Cable (admitication 624 Cable (dentification) 624 Cable (gene) LL (AVMM-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) 42× 0.1 mm (multi-strand wire class 6) Diameter (core) 43× 0.3 mm? AWG similar to AWG 22 Material wire insulation PVC Material property wire insulation Store hardness wire isolation 43 ± 5 D Wire 40 (core) 43 ± 5 D Wire Join Lisolation 1.25 mm ±5%. Colorinumbering of wires br, bk, bl, wh Stranding combination 4 ± 5 A (PVC - under place). Cable (core) CPC- halogen- cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, l | 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 East 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 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 mm ² AWG similar to AWG 22 Material wire isolation PVC Material wire isolation PVC Meterial property wire insulation CFC -, cadmium-, silicone- and lead-free Shore hardness wire isolation 43 ±5 D Wire-20 int. Isolation 125 mm ±5% Colorinumbering of wires br, bk, bl, wh Stranding combination 4 wires twisted Shiel No Material ipcoperty (acket) CFC -, halogen -, cadmium -, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant , hydrolysia and microbial resistant Shield No | Note on bending radius | Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be |
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| 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)42 ~ 0.34 mm²AWGsimilar to AWG 22Material wire isolationPVCMaterial wire isolationCPC, cadmium-, silicone- and lead-freeShore hardness wire isolation43 ± 5 DWire-Ø incl. isolation1.25 mm ±5%Color/inumbering of wiresbr, br, bl, whStranding combination4 wires twistedMaterial jacketPUR/PVCMaterial jacket0.95 ± A (PVC-under jacket); 85 ± 5 A (PUR-jacket)Outer-Ø (jacket)4.6 mm ±5%Color jacketblackcolor jacket <td>Product standard</td> <td>DIN EN 61076-2-101 (M12)</td> | 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 Okm (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 twistedShieldnoMaterial property (jacket)CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistantShieldnoMaterial property (jacket)CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistantShieldnoMaterial property (jacket)85 ± 5 A (PUR-jacket)Outer-Ø (jacket)4.6 mm ±5%Color jacketblackchemical resistancegood resistance to oil, gasoline and chemicalsNominal voltageUL 300 V ACTest voltage2000 V ACTemperature range (fixed)-30+80 °C | 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 Q/km (20 °C) Single wire Ø (core) 0.1 mm Construction (core) 42× 0.1 mm (multi-strand wire class 6) Diameter (core) 42× 0.3 d mm² AWG similar to AWG 22 Material wire isolation PVC Material vire isolation PVC Material vire isolation 1.25 mm ±5% Colorinumbering of wires br, bk, bl, wh Stranding combination 4 wires twisted Shield no Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant Shield no Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant Shore hardness jacket 80 ± 5 A (PVC-under jacket); 85 ± 5 A (PUR-jacket) Outer-Ø (jacket) 4.6 mm ±5% Color jacket black chemical resistance good resistance to oil, gasoline and chemicals Norminal voltage UL 300 V AC Test voltage 2000 V AC Current lo | 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 x 0.1 mm (multi-strand wire class 6)Diameter (core)4 x 0.34 mm ⁰ 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 twistedShieldnoMaterial property (jacket)CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistantShore hardness jacket80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)Outer-Ø (jacket)4.6 mm ±5%Color jacketblackchemical resistancegood resistance to oil, gasoline and chemicalsNormial voltageUL 300 V ACTest voltage2000 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-3+80 °C | Cable Type | 2 (PUR/PVC) |
| Material wire Cu wire, bare Resistor (core) max. 57 Ω/km (20 °C) Single wire Ø (core) 0.1 mm Construction (core) 42× 0.1 mm (multi-strand wire class 6) Diameter (core) 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 property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant grouperty (jacket) Shield no Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant hydrolysis and microbial resistant Shore hardness jacket 80 ± 5 A (PVC-under jacket); 85 ± 5 A (PUR-jacket) Outer-Ø (jacket) 4.6 mm ±5% Color jacket black chemical resistance good resistance to oil, gasoline and chemica | Approval (cable) | 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 wire isolationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation43 ± 5 DWire-Ø incl. isolation1.25 mm ±5%Colorhumbering of wiresbr, bk, bl, whStranding combination4 wires twistedShieldnoMaterial iproperty (jacket)CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion- resistant, hydrolysis and microbial resistantShore hardness jacket9UR/PVCMaterial property (jacket)CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion- resistant, hydrolysis and microbial resistantShore hardness jacket80 ± 5 A (PVC- under jacket); 85 ± 5 A (PUR-jacket)Outer-Ø (jacket)4.6 mm ±5%Color jacketblackchemical resistancegood resistance to oil, gasoline and chemicalsNominal voltageU. 300 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-30+80 °C | Cable weight [g/m] | 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 twistedShieldnoMaterial property (jacket)CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion- resistant, hydrolysis and microbial resistantShore hardness jacket80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)Outer-Ø (jacket)4.6 mm ±5%Color jacketblackchemical resistancegood resistance to oil, gasoline and chemicalsNominal voltageUL 300 V ACTest voltage2000 V ACCurrent Ioad capacityto DIN VDE 0298-4Temperature range (fixed)-30+80 °C | 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 twistedShieldnoMaterial property (jacket)CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion- resistant, hydrolysis and microbial resistantShore hardness jacket80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)Outer-Ø (jacket)4.6 mm ±5%Color jacketblackchemical resistancegood resistance to oil, gasoline and chemicalsNominal voltageUL 300 V ACTest voltage2000 V ACCurrent Load capacityto DIN VDE 0298-4Temperature range (fixed)-30+80 °C | Resistor (core) | max. 57 Ω/km (20 °C) |
| Diameter (core)4 × 0.34 mm²AWGsimilar to AWG 22Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation43 ± 5 DWire-O incl. isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, whStranding combination4 wires twistedShieldnoMaterial property (jacket)CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistantShore hardness jacket80 ± 5 A (PVC-under jacket); 85 ± 5 A (PUR-jacket)Outer-Q (jacket)4.6 mm ±5%Color jacketblackchemical resistancegood resistance to oil, gasoline and chemicalsNominal voltageUL 300 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-30+80 °C | 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 twistedShieldnoMaterial property (jacket)CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistantShore hardness jacket80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)Outer-Ø (jacket)4.6 mm ±5%Color jacketblackchemical resistancegood resistance to oil, gasoline and chemicalsNominal voltageUL 300 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-30+80 °C | 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 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) 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 Current load capacity to DIN VDE 0298-4 Temperature range (fixed) -30+80 °C | Diameter (core) | 4× 0.34 mm ² |
| 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 twistedShieldnoMaterial jacketPUR/PVCMaterial property (jacket)CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistantShore hardness jacket80 ± 5 A (PVC-under jacket); 85 ± 5 A (PUR-jacket)Outer-Ø (jacket)4.6 mm ±5%Color jacketblackchemical resistancegood resistance to oil, gasoline and chemicalsNominal voltageUL 300 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-30+80 °CTemperature range (mobile)-5+80 °C | AWG | similar to AWG 22 |
| Shore hardness wire isolation43 ±5 DWire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, whStranding combination4 wires twistedShieldnoMaterial jacketPUR/PVCMaterial property (jacket)CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistantShore hardness jacket80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)Outer-Ø (jacket)4.6 mm ±5%Color jacketblackchemical resistancegood resistance to oil, gasoline and chemicalsNominal voltageUL 300 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-30+80 °C | Material wire isolation | PVC |
| Wire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, whStranding combination4 wires twistedShieldnoMaterial jacketPUR/PVCMaterial property (jacket)CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistantShore hardness jacket80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)Outer-Ø (jacket)4.6 mm ±5%Color jacketblackchemical resistancegood resistance to oil, gasoline and chemicalsNominal voltageUL 300 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-30+80 °C | Material property wire insulation | CFC-, cadmium-, silicone- and lead-free |
| Color/numbering of wiresbr, bk, bl, whStranding combination4 wires twistedShieldnoMaterial jacketPUR/PVCMaterial property (jacket)CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistantShore hardness jacket80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)Outer-Ø (jacket)4.6 mm ±5%Color jacketblackchemical resistancegood resistance to oil, gasoline and chemicalsNominal voltageUL 300 V ACTest voltage2000 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-30+80 °C | Shore hardness wire isolation | 43 ±5 D |
| Stranding combination4 wires twistedShieldnoMaterial jacketPUR/PVCMaterial property (jacket)CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion- resistant, hydrolysis and microbial resistantShore hardness jacket80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)Outer-Ø (jacket)4.6 mm ±5%Color jacketblackchemical resistancegood resistance to oil, gasoline and chemicalsNominal voltageUL 300 V ACTest voltage2000 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-30+80 °C | Wire-Ø incl. isolation | 1.25 mm ±5% |
| ShieldnoMaterial jacketPUR/PVCMaterial property (jacket)CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion- resistant, hydrolysis and microbial resistantShore hardness jacket80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)Outer-Ø (jacket)4.6 mm ±5%Color jacketblackchemical resistancegood resistance to oil, gasoline and chemicalsNominal voltageUL 300 V ACTest voltage2000 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-30+80 °C | Color/numbering of wires | br, bk, bl, wh |
| Material jacketPUR/PVCMaterial property (jacket)CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion- resistant, hydrolysis and microbial resistantShore hardness jacket80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)Outer-Ø (jacket)4.6 mm ±5%Color jacketblackchemical resistancegood resistance to oil, gasoline and chemicalsNominal voltageUL 300 V ACTest voltage2000 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-30+80 °C | Stranding combination | 4 wires twisted |
| Material property (jacket)CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion- resistant, hydrolysis and microbial resistantShore hardness jacket80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)Outer-Ø (jacket)4.6 mm ±5%Color jacketblackchemical resistancegood resistance to oil, gasoline and chemicalsNominal voltageUL 300 V ACTest voltage2000 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-30+80 °C | Shield | no |
| Material property (jacket)resistant, hydrolysis and microbial resistantShore hardness jacket80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)Outer-Ø (jacket)4.6 mm ±5%Color jacketblackchemical resistancegood resistance to oil, gasoline and chemicalsNominal voltageUL 300 V ACTest voltage2000 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-30+80 °CTemperature range (mobile)-5+80 °C | Material jacket | PUR/PVC |
| Outer-Ø (jacket)4.6 mm ±5%Color jacketblackchemical resistancegood resistance to oil, gasoline and chemicalsNominal voltageUL 300 V ACTest voltage2000 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-30+80 °CTemperature range (mobile)-5+80 °C | Material property (jacket) | |
| Color jacketblackchemical resistancegood resistance to oil, gasoline and chemicalsNominal voltageUL 300 V ACTest voltage2000 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-30+80 °CTemperature range (mobile)-5+80 °C | Shore hardness jacket | 80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket) |
| chemical resistancegood resistance to oil, gasoline and chemicalsNominal voltageUL 300 V ACTest voltage2000 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-30+80 °CTemperature range (mobile)-5+80 °C | Outer-Ø (jacket) | 4.6 mm ±5% |
| 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 | Color jacket | black |
| 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 | chemical resistance | good resistance to oil, gasoline and chemicals |
| Current load capacity to DIN VDE 0298-4 Temperature range (fixed) -30+80 °C Temperature range (mobile) -5+80 °C | Nominal voltage | UL 300 V AC |
| Temperature range (fixed) -30+80 °C Temperature range (mobile) -5+80 °C | Test voltage | 2000 V AC |
| Temperature range (mobile) -5+80 °C | 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 | | |

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-20

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| 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 |

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