

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

PUR 4x0.34 bk UL/CSA 10m

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

Male straight - female straight

M12 - M12, 4-pole

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

Stainless steel 1.4305 (V2A)

Plastic housings with good resistance against chemicals and oils.

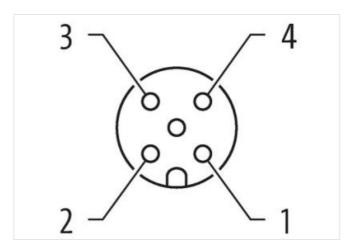
The resistance to aggressive media should be individually tested for your application. Further details on request.

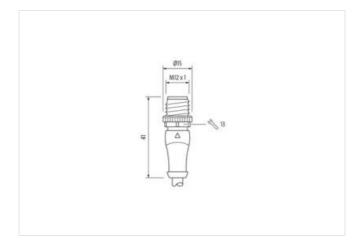
Further cable lengths on request.

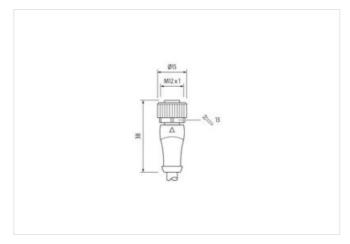
## **Link to Product**

## Illustration



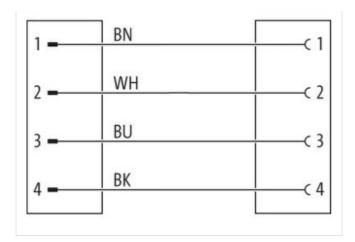


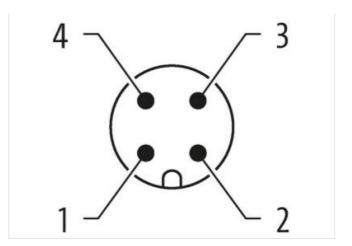






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Product may differ from Image





Cable length	10 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	4048879355452
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	250 V
Operating voltage DC max.	250 V
Operating voltage AC (UL-listed)	30 V

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: 2024-04-16



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Current operating per contact max.	Operating voltage DC (UL-listed)	30 V
Device protection (Electrical Additional condition protection degree insorted, screwed		
Additional condition protection degree   s   Pollution Degree   s   Material group (EC 9064-1)   I  Machanial group (EC 9064-1)   I  Machanial group (EC 9064-1)   VI  Machanial data   Material data   Material data   Material housing   PUR  Locking material   Stanless steel 1.4305 (V2A)   Machanial data   Mounting data   Mounting method   Inserted, screwed, Shaking protection    Environmental characteristics   Climatic   Ciperating temperature max   25 °C   Ciperating temperature max   25 °C   Constitution   Constitution   Constitution   Additional condition temperature range   depending on cable quality   Color   Contemporature max   25 °C   Contemporation   Contemporature   Contemporature   Contemporature   Contemporation   Contemporature   Contemporature   Contemporature   Contemporature   Contemporature   Contemporature   Contemporature   Contemporature   Contemporature   Co		
Material group (IEC 8086+1)   1		inserted serviced
Metherial group (IEC 60684-1)         I           Mechanical data   Material data         Mechanical data   Material data           Methorial housing         PUB           Locking material         Stainless steel 1.4305 (V2A)           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Operating temperature max.         25 °C           Operating temperature max.         85 °C         Additional condition temperature range         depending on cable quality           Contromity         Product standard         DIN EN 81078-2-101 (M12)         DIN EN 81078-2-101 (M12)           Cable         Cable identification         624         Gale or Type         2 (PUR/PVC)           Approval (cable)         U. (AWM-Style 205491731), CSA; CE conform         CE conform           Cable weight (p/m)         4.26 0g         August (provident of provident		<u> </u>
Machanical data   Material data   Mounting data         PUR           Mochanical data   Mounting data         Stanless steel 1.4306 (Y2A)           Mechanical data   Mounting data         Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Functional properature min.         -25 °C           Operating temperature max         85 °C         Acaditional condition temperature range         depending on cabbe quality           Conformity         Product standard         DE NE 1076-2-101 (M12)           Cable         Cabil (Sata)         Cabil (Sata)         Cabil (Sata)           Cable (Sata)         Experimental characteristics of the properties of the properti		
Material housing         PUR           Locking material         Stankiess steel 1.4305 (V2A)           Mechanical data (Mounting data)         Mounting method         inserted, screwed, Shaking protection           Environmental characteristics (Climatic         Uniformative mix.         25 °C           Operating temperature mix.         25 °C         Operating temperature may.         45 °C           Additional condition temperature range         depending on cable quality           Conformity         Product standard         DIN EN 61076-2-101 (M12)           Cable         Conformity         Conformity           Cable institution (and in the product standard of the product standard standard product product product product product product product product p		ı
Locking material Stainless steel 1.4305 (V2A)  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min. 25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Conformity  Product standard DIN EN 61076-2-101 (M12)  Cable  Cable (Approval (cable)  Cable (page 2 PPURPVC)  Approval (cable)  Gable (spin) 42,68 g  Material wire Cover max. 57 CAM (20 °C)  Single wire Ø (core) 0.1 mm  Construction (core) 42 °C In mm (multi-strand wire class 6)  Damaeter (core) 4- 0.3 mm (and issaid and is	Mechanical data   Material data	
Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Operating temperature min.         25 °C           Operating temperature max.         65 °C           Additional condition temperature range         depending on cable quality           Conformity         Product standard         DIN EN 61076-2-101 (M12)           Cable         Cable         Cable defidication         624           Cable identification         624         Cable (application)         42,88 g           Cable weight [zm]         42,88 g         Product standard         U. (AWWA-Styles 205491731), CSA; CE conform           Cable weight [zm]         42,88 g         Product standard         Product standard           Cable weight [zm]         42,88 g         Product standard         Product standard           Material wire         Cu wire, bare         Product standard         Product standard         Product standard           Material wire         Cu wire, bare         Product standard         Product		
Devining method   Inserted, serewed, Shaking protection	Locking material	Stainless steel 1.4305 (V2A)
Environmental characteristics   Climatic         25 °C           Operating temperature min.         .25 °C           Additional condition temperature range         depending on cable quality           Conformity         Product slandard         DIN EN 61076-2-101 (M12)           Cable         Cable identification         624           Cable identification         624         Cable (Approval (cable))           Cable (Type)         2 (PURIPVC)           Approval (cable)         UL (AWM-Style 20549/1731), CSA: CE conform           Cable weight [gm]         42.88 g           Material wire         Cu wire, barre           Resistor (core)         max. 57 D/km (20 °C)           Single wire of (core)         0.1 mm (multi-strand wire class 8)           Diameter (core)         42.0.1 mm (multi-strand wire class 8)           Diameter (core)         42.0.1 mm (multi-strand wire class 8)           Material wire isolation         PVC           Material wire isolation         PVC           Material property wire insulation         CPC, cadmium, silicone- and lead-free           Shore hardness wire isolation         1.25 mm ±5%           Color/numbering of wires         br. bk. bi. wh           Stranding combination         4 wires twisted           Shield         no <td>Mechanical data   Mounting data</td> <td></td>	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 description                    Cable (and the control of the contr	Mounting method	inserted, screwed, Shaking protection
Additional condition temperature max.   85 °C	Environmental characteristics   Climatic	
Additional condition temperature range         depending on cable quality           Contomity         DIN EN 61076-2-101 (M12)           Cable         Cable           Cable identification         624           Cable Type         2 (PURPVC)           Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cable weight [g/m]         42.88 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)         42.0.4 mm²           AWG         similar to AWG 22           Material wire isolation         PVC           Material wire isolation         PVC           Wire-Ø Incl. isolation         1.25 mm ±5%           Color/mumbering of wires         br, lb, bl, wh           Stranding combination         4 wires twisted           Shield         no           Material property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, malt, low-adhesion, machine easy to process, abrasion-resistant, lydrolysis and microbial resistant           Shield         no           Material property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, m	Operating temperature min.	-25 °C
Conformity         Cable           Cable (abentification)         624           Cable (abentification)         42.68 g           Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cable weight [g/m]         42.68 g           Material wire         Cu vire, 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 x 0.34 mm²           AWG         similar to AWG 22           Material property wire insulation         CFC-, cadmium-, silicone- and lead-free           Shore hardness wire isolation         42.5 D           Wire-Ø Incl. (abolation         1.25 mm ±5%           Color/numbering of wires         br, bk, bi, wh           Stranding combination         4 wires twisted           Stread (abolation)         1.25 mm ±5%           Color/alcekt         Diagentification (abolation)           Material property (jacket)         CFC-, halopen, cadmium-, silicone- and l	Operating temperature max.	85 °C
Product standard         DIN EN 61076-2-101 (M12)           Cable         Cable (antification)         624           Cable Type         2 (PUR/PVC)           Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cable weight [g/m]         42,88 g           Material wire         Ou 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         4.2 5 mm ±5%           Color/numbering of wires         br, bk, bl, wh           Stranding combination         4 vms twisted           Shield         no           Material property (jacket)         PUR/PVC           Material property (jacket)         GCC, hatogen, cadmium - silicone- and lead-free           Shore hardness wire isolation         4.9 fm           Olor/numbering of wires         br, bk, bl, wh           Stranding combination         4 vms twisted <t< td=""><td>Additional condition temperature range</td><td>depending on cable quality</td></t<>	Additional condition temperature range	depending on cable quality
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-, cadminum-, silicone- and lead-free           Shore hardness wire isolation         42 × 0.1 mm ±5%           Color/numbering of wires         br, bk, bl, wh           Stranding combination         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 fardness jacket         80 ±5 A (PVC-under jacket); 85 ±5 A (PVR-jacket)           Outer-Ø (jacket)         4.8 mm	Conformity	
Cable         Cable identification         624           Cable Type         2 (PUR/PVC)           Approval (cable)         UL (AVM-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           AWO         similar to AWG 22           Material wire isolation         PVC           Material property wire insulation         PVC or, cadminum, silicone- and lead-free           Shore hardness wire isolation         42 ± 50           Mire-Ø incl. isolation         1,25 mm ±5%           Color/numbering of wires         br, bk, bl, wh           Stranding combination         4 wires twisted           Shield         no           Material jacket         PUR/PVC           Cefc-, halogen; cadminum, 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)         45 mm ±5%           Color jacket	Product standard	DIN EN 61076-2-101 (M12)
Cable identification         624           Cable Type         2 (PUR/PVC)           Approval (cable)         UL (AVM-Style 20549/1731), CSA; CE conform           Cable weight [g/m]         42,88 g           Material wire         Cu wire, bare           Resistor (core)         max. 97 Ok/m (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42,0.1 mm (multi-strand wire class 6)           Diameter (core)         4 x 0.34 mm²           AWG         similar to AWG 22           Material wire isolation         PVC           Material 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/mumbering 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         B0 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)           Outer-Ø (jacket)         4.6 mm ±5%           Outer-Ø (jacket)         4.6 mm ±5%           Outer		
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 (multil-strand wire class 6)           Diameter (core)         4 × 0.34 mm²           AWG         similar to AWG 22           Material wire isolation         PVC           Material wire isolation         PVC           Material property wire insulation         CFC-, cadmium-, silicone- and lead-free           Shore hardness wire isolation         4.3 ± 5 D           Wire-Ø incl. isolation         1.25 mm ±5%           Color/numbering of wires         br. lk, bl. wh           Stranding combination         4 wires twisted           Material property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, property (jacket)           Material property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, lyer/obysis and microbial resistant           Shore hardness jacket         80 ± 5 A (PVC- under jacket); 85 ± 5 A (PUR-jacket)           Out		624
Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cable weight [g/m]         42,88 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         4.5 mm ±5%           Color/numbering of wires         br, bk, bl, wh           Stranding combination         4 wires twisted           Shold         no           Material jacket         PUR/PVC           Material property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, by-droyless 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           Owner-Ø (jacket)         1.2 mm ±5%           Color jacket         black           Nominal voltage		
Cable weight [g/m]         42,68 g           Material wire         Cu wire, bare           Resistor (core)         max. 57 D/km (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42× 0.1 mm (multi-strand wire class 6)           Diameter (core)         4× 0.34 mm²           AWG         similar to AWG 22           Material wire isolation         PVC           Material 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, bk, 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 Pardness jacket         80 ±5 K (PVC-under jacket); 85 ±5 A (PUR-jacket)           Outer-Ø (jacket)         46 mx ±5%           Outer-Ø (jacket)         46 mx ±5%           Color jacket         black           chemical resistance         good resistance to oil, gasoline and chemicals           Nominal voltage         UL 300 V AC           T		· · · ·
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         6FC-, 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         90 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)           Outer-Ø (jacket)         4.6 mm ±5%           Color jacket         blacket           Color jacket         blacket <tr< td=""><td></td><td></td></tr<>		
Resistor (core)         max. 57 Ω/km (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42 × 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         1.25 mm ±5%           Color/numbering of wires         br, bk, bl, wh           Stranding combination         4 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           Shore hardness jacket         90 ±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         200 V AC           Current load capacity         to DIN VDE 0298-4           Temperature range (mobile)         5480 °C           Bending radius (fixed)         10x outer Ø           Bending		<del>-</del>
Single wire Ø (core)         0.1 mm           Construction (core)         42 × 0.1 mm (multi-strand wire class 6)           Diameter (core)         4 x 0.34 mm²           AWG         similar to AWG 22           Material wire isolation         PVC           Material 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 jacket         PUR/PVC           Aderial property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, property (jacket)           Shore hardness jacket         80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)           Outer-Ø (jacket)         4.6 mm ±5%           Color jacket         black           Orbital 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 (mobile)         -5+80 °C           Bending ra		· · · · · · · · · · · · · · · · · · ·
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, 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           Orbital 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)         30480 °C           Bending radius (fixed)         10 × outer Ø           Bending radius (dynamic)         15× outer Ø		
Diameter (core)         4x 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-O 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           Shore hardness jacket         80 ± 5 A (PVC- under jacket); 85 ± 5 A (PUR-jacket)           Outer-O (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)         30480 °C           Temperature range (mobile)         5480 °C           Bending radius (dynamic)         15x outer Ø           No. of bending cycles (C-track)         max. 2 Mio. (25 °C)           Travel spe		
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 jacket PUR/PVC  Tect. 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  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) 15 × outer Ø  Bending radius (dynamic) 15 × outer Ø  Bending radius (dynamic) 15. outer Ø  Bending radius (Ctrack) 15+80 °C  Travel speed (C-track) 15+80 °C		·
Material wire isolation         PVC           Material property wire insulation         CFC-, cadmium-, silicone- and lead-free           Shore hardness wire isolation         43 ±5 D           Wire-O incl. isolation         1.25 mm ±5%           Color/numbering of wires         br, bk, bl, wh           Stranding combination         4 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           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)         -5+80 °C           Bending radius (fixed)         10× outer Ø		
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 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           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		
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 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  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		CFC-, cadmium-, silicone- and lead-free
Wire-Ø incl. isolation 1.25 mm ±5% Color/numbering of wires br, bk, bl, wh Stranding combination 4 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 Shore hardness jacket 80 ± 5 A (PVC-under jacket); 85 ± 5 A (PUR-jacket) Outer-Ø (jacket) 4.6 mm ±5% Color jacket black Color jacket 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 (fixed) 15× outer Ø No. of bending cycles (C-track) max. 2 Mio. (25 °C) Travel speed (C-track) max. 3.3 m/s		
Color/numbering of wires       br, bk, bl, wh         Stranding combination       4 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         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 m/s	Wire-Ø incl. isolation	
Stranding combination 4 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  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	Color/numbering of wires	
Shield no  Material jacket PUP/PVC  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	Stranding combination	
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)  No. of bending cycles (C-track)  max. 2 Mio. (25 °C)  Travel speed (C-track)  max. 3.3 m/s	Shield	no
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	Material jacket	PUR/PVC
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	Material property (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 °CBending radius (fixed)10× outer ØBending radius (dynamic)15× outer ØNo. of bending cycles (C-track)max. 2 Mio. (25 °C)Travel speed (C-track)max. 3.3 m/s	Shore hardness jacket	80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)
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	Outer-Ø (jacket)	
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	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  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	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  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	Nominal voltage	UL 300 V AC
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	Test voltage	2000 V AC
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	Current load capacity	to DIN VDE 0298-4
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	Temperature range (fixed)	-30+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	Temperature range (mobile)	-5+80 °C
Bending radius (dynamic) 15× outer ∅ No. of bending cycles (C-track) max. 2 Mio. (25 °C) Travel speed (C-track) max. 3.3 m/s	Bending radius (fixed)	10× outer Ø
Travel speed (C-track) max. 3.3 m/s	Bending radius (dynamic)	15× outer Ø
Travel speed (C-track) max. 3.3 m/s	No. of bending cycles (C-track)	max. 2 Mio. (25 °C)
	Travel speed (C-track)	
	Acceleration (C-track)	max. 5 m/s <sup>2</sup>