

## M12 female 0° A-cod. with cable

PUR 3x0.34 gy UL/CSA 7m

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

Female straight

M12, 3-pole

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

with cable sleeves

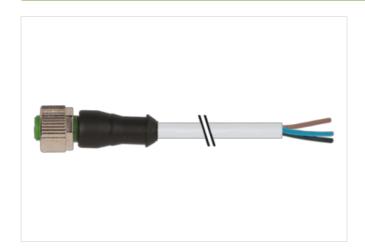
Plastic housings with good resistance against chemicals and oils.

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

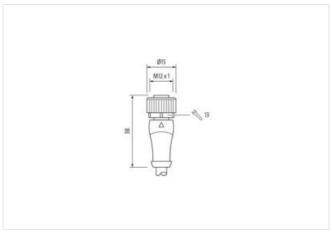
Further cable lengths on request.

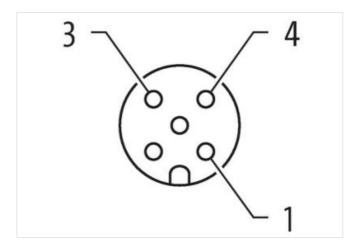
## **Link to Product**

## Illustration









Product may differ from Image















stay connected

Cable length	7 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	
Stripping length (jacket)	20 mm
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	4048879519786
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
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Installation   Connection	
Stripping length (jacket)	20 mm
Mounting set	M12 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	2,5 kV
Material group (IEC 60664-1)	I
Mechanical data   Material data	
Coating locking	Nickeled
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



stay connected

Important installation notes  Note on strain relief  Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fies.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard  DIN EN 61076-2-101 (M12)  Cable  Cable identification  223  Cable Type  2 (PURIPVC)  Approval (cable)  U.I. (AVM-Style 20549/1731), CSA; CE conform  Cable weight (pim)  35.97 g  Material vine  Cu vine, barre  Cu vine, barre  Cu vine, barre  Construction (core)  10.1 mm (multi-strand wire class 6)  Dameter (core)  3 b 3.3 4 mm²  AVG  similar to AWG 22  Material vine isolation  PVC  Material vine isolation  PVC  Material vine isolation  43 ± 5 D  Wire-Ø incl. isolation  1.25 mm ±5%  Color/numbering of wires  br. lkb, bl  Stranding combination  3 wires twisted  Shore hardness wire isolation  Autorial property (jacket)  CFC, hadogen, cadmium., silicone- and lead-free, mart, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistance  Material property (jacket)  CFC, hadogen, cadmium., silicone- and lead-free, mart, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistance  Material property (jacket)  CFC, hadogen, cadmium., silicone- and lead-free, mart, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistance  pood resistance of CFC, hadogen, cadmium, silicone- and lead-free, mart, low-adhesion, machine easy to process, abrasion-resistance  pood resistance to oil, gasoline and chemicals  Norminal voltage  U.L. 300 V AC  Current Load capacity  to DIN VPC 2098-4  Temperature range (fixed)  10 nuter Ø  Bending radius (dynamic)  15 nuter Ø  Bonding radius (dynamic)	Operating temperature max.	85 °C
Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radiu when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Cable  Cable  Cable identification 233  Cable Type 2 (PURPVC)  Approval (cable) UL (AWM-Style 205491731), CSA; CE conform  Gable weight [gim] 35.97 g  Material wive Cu wive, barre  Coulvie, barre  Construction (core) max. 57 n/mr (20 °C)  Single wive 9 (core) 0.1 mm  Construction (core) 42-0.1 mm (multi-strand wive class 6)  Dameter (core) 3 v 0.34 mm²  Auterial property wire insulation PVC  Material vive insulation PVC  Material vive insulation PVC  Material property wire insulation 43 ± 5 D  Wire 0 Inc. Isolation 1.25 mm ±5%  Color/unubering of wires br. Ib. Ib. Ib.  Stranding combination 3 wires twisted  Shineld no  Material property (jacket) CFC, halogon, cadmium, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydroylas and microbial resistance  PURPVC  Material property (jacket) 4.3 mm ±5%  Color jacket 972  Adherical property (jacket) 4.3 mm ±5%  Color jacket 972  Amenical resistance 900 resistance to oil, gasoline and chemicals  Norm hardness jacket 972  CFC, halogon, cadmium, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydroylas and microbial resistance  Norm hardness jacket 972  Amenical resistance 900 resistance to oil, gasoline and chemicals  Norm hardness jacket 972  CFC, halogon, cadmium, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistance property (jacket) 5.5 n.480° C  Temperature range (fixed) 5+80° C  Temperature range (fixed) 5+80° C  Temperature range (fixed) 1540° C  Temperature range (fixed) 1540° C  Text speed (C-frack) 740° C  Text speed (C-frack) 740° C	Additional condition temperature range	depending on cable quality
Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be ordangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Cable  Cable identification 223  Cable identification 242  Cable identification 35,97 g  Approval (cable) UL (AWM-Style 20549/1731), CSA; CE conform  Cable weight [g/m] 35,97 g  Approval (cable) UL (AWM-Style 20549/1731), CSA; CE conform  Cable weight [g/m] 35,97 g  Material wire Cover max. 57 0/km (20 °C)  Single wire Ø (core) 0.1 mm  Construction (core) 42 v.0.1 mm (multi-strand wire class 6)  Diameter (core) 3 v.0.34 mm²  AWG similar to AWG 22  Material property wire insulation PVC  Material property wire insulation PVC  Material property wire insulation 43 ± 5 D  Wire Ø incl. isolation 43 ± 5 D  Stranding combination 3 wires twisted  Shold no  Material jacket PURVPVC  Material jacket PURVPVC  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 picket 90 ± 5 A (PVC-under jacket); 85 ± 5 A (PUR-jacket)  Outer-Ø (jacket) 4.3 mm ±5%  Color jacket gray  chemical resistance good resistance to oil, gasoline and chemicals  Nominal voltage U.3 300 V AC  Current load capacity to DIN VDE 0298-4  Temperature range (fixed) -5 +80 °C  Bending radius (dynamic) 15 x outer Ø  Banding radius (dynamic) 15 x outer	Important installation notes	
Conformity           Product standard         DN EN 61076-2-101 (M12)           Cable         Product standard         223           Cable identification         223         2 (PURPVC)           Cable of page (purple)         2 (PURPVC)           Cable weight (g/m)         35.97 g         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)         3 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         1.25 mm ±5%           Color/numbering of wires         br, bk, bl           Stranding combination         1.25 mm ±5%           Color/numbering of wires         br, bk, bl           Stranding combination         1.25 mm ±5%           Cherinalization         PURPVC           Material property (jacket)         CFC -, halogen -, cadmium -, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion- resistant, hydrolysis and microbial resistant	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standard         DIN EN 61076-2-101 (M12)           Cable         Cable identification         223           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)         3.0 × 34 mm²           AWG         similar to AWG 22           Material wire isolation         PVC           Wire-Ø Incl. isolation         CFC-, cadmium-, silicone- and lead-free           Shore hardness wire isolation         1.25 mm ±6%           Colorinumbering of wires         br, bk, bl           Stranding combination         3 wires twisted           Shied         no           Material poperty (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)         4.3 mm ±5%           Color jacket         gray	Note on bending radius	
Cable         Cable identification         223           Cable Type         2 (PURIPVC)           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 (2km (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 isolation         PVC           Material property wire insulation         CFC-, cadmium-, silicone- and lead-free           Shore hardness wire isolation         125 mm ±5%           Color/numbering of wires         br, bk, bl           Stranding combination         3 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         90.55 A (PVC- under jack	Conformity	
Cable identification         223           Cable Type         2 (PURIPVC)           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 (Akm (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           AWG         simillar to AWG 22           Material property wire insulation         CPC , cadmium-, silicone- and lead-free           Shore hardness wire isolation         43 ±5 D           Vire-Ø incl. isolation         1.25 mm ±5%           Color/numbering of wires         br, bk, bl           Stranding combination         3 wires twisted           Shield         no           Material property (jacket)         CPC , 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)         4.3 mm ±5%           Color jacket         good resistance to oil, gasoline and chemicals           Nominal voltage         UL 300 V AC     <	Product standard	DIN EN 61076-2-101 (M12)
Cable Type         2 (PUR/PVC)           Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cable weight [g/m]         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-istrand wire class 6)           Diameter (core)         3× 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           Stranding combination         3 wires twisted           Shield         no           Material property (jacket)         PUR/PVC           Material property (jacket)         CFC, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, thydrolysis and microbial resistant           Shield         no           Material property (jacket)         25 (PVC- under jacket); 85 ±5 A (PUR-jacket)           Outer-Ø (jacket)         4.3 mm ±5%           Outer-Ø (jacket	Cable	
Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cable weight [g/m]         55,97 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)         3 × 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           Stranding combination         3 wires twisted           Shield         no           Material property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, bydrolysis and microbial resistant           Shield         no           Material property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, bydrolysis and microbial resistant           Shore hardness jacket         80 ± 5 A (PVC-under jacket); 85 ± 5 A (PUR-jacket)           Outer-Ø (jacket)	Cable identification	223
Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cable weight [g/m]         55,97 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)         3 × 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           Stranding combination         3 wires twisted           Shield         no           Material property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, bydrolysis and microbial resistant           Shield         no           Material property (jacket)         CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, bydrolysis and microbial resistant           Shore hardness jacket         80 ± 5 A (PVC-under jacket); 85 ± 5 A (PUR-jacket)           Outer-Ø (jacket)	Cable Type	2 (PUR/PVC)
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)         3 × 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           Stranding combination         3 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)         4.3 mm ±5%           Color jacket         gray           chemical resistance         good resistance to oil, gasoline and chemicals           Nominal voltage         UL 300 V AC           Current load capacity         to DIN VDE 0298-4		,
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)         3 × 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           Wire-Ø incl. isolation         1.25 mm ±5%           Color/numbering of wires         br, bk, bl           Stranding combination         3 wires twisted           Shield         no           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 hydrolysis and microbial resistant           Shore hardness jacket         80 ±6 A (PVC-under jacket); 85 ±5 A (PUR-jacket)           Outer-Ø (jacket)         4.3 mm ±5%           Color jacket         gray           chemical resistance         good resistance to oil, gasoline and chemicals           Nominal voltage		
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)         3× 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           Stranding combination         3 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)         4.3 mm ±5%           Color jacket         gray           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      <	Material wire	· · · · · · · · · · · · · · · · · · ·
Single wire Ø (core)         0.1 mm           Construction (core)         42 × 0.1 mm (multi-strand wire class 6)           Diameter (core)         3 × 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           Stranding combination         3 wires twisted           Shield         no           Material jacket         PUR/PVC           Atterial 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)         4.3 mm ±5%           Color jacket         gray           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           Temperature range (mobile)         -5+80 °C	Resistor (core)	· · · · · · · · · · · · · · · · · · ·
Construction (core)         42 × 0.1 mm (multi-strand wire class 6)           Diameter (core)         3 × 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           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           Shore hardness jacket         80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)           Outer-Ø (jacket)         4.3 mm ±5%           Color jacket         gray           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      <	Single wire Ø (core)	
Diameter (core)         3x 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           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           Shore hardness jacket         80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)           Outer-Ø (jacket)         4.3 mm ±5%           Color jacket         gray           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           Bending radius (fixed)         10× outer Ø           Bending radius (dynamic)         15× outer Ø           No. of bendin	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  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  Shore hardness jacket 80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)  Outer-Ø (jacket) 4.3 mm ±5%  Color jacket gray  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 (mobile) -5+80 °C  Temperature range (mobile) -5+80 °C  Bending radius (fixed) 15× outer Ø  Bending radius (fixed) 15× outer Ø  No. of bending cycles (C-track) max. 3 m/s	Diameter (core)	3× 0.34 mm²
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  Stranding combination  3 wires twisted  Shield  no  Material property (jacket)  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)  4.3 mm ±5%  Color jacket  gray  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 (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. 33 m/s	AWG	similar to AWG 22
Shore hardness wire isolation         43 ± 5 D           Wire-Ø incl. isolation         1.25 mm ±5%           Color/numbering of wires         br, bk, bl           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           Shore hardness jacket         80 ± 5 A (PVC-under jacket); 85 ± 5 A (PUR-jacket)           Outer-Ø (jacket)         4.3 mm ±5%           Color jacket         gray           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           Bending radius (fixed)         10× outer Ø           Bending radius (fixed)         10× outer Ø           No. of bending cycles (C-track)         max. 2 Mio. (25 °C)           Travel speed (C-track)         max. 3.3 m/s	Material wire isolation	PVC
Wire-Ø incl. isolation 1.25 mm ±5% Color/numbering of wires br, bk, bl  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 Shore hardness jacket 80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket) Outer-Ø (jacket) 4.3 mm ±5% Color jacket gray  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 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	Material property wire insulation	CFC-, cadmium-, silicone- and lead-free
Color/numbering of wires br, bk, bl  Stranding combination 3 wires twisted  Noterial 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) 4.3 mm ±5%  Color jacket gray  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	Shore hardness wire isolation	43 ±5 D
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  Shore hardness jacket 80 ± 5 A (PVC-under jacket); 85 ± 5 A (PUR-jacket)  Outer-Ø (jacket) 4.3 mm ± 5%  Color jacket gray  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	Wire-Ø incl. isolation	1.25 mm ±5%
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) 4.3 mm ±5%  Color jacket gray  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	br, bk, bl
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)  4.3 mm ±5%  Color jacket  gray  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	3 wires twisted
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)  4.3 mm ±5%  Color jacket  gray  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)  730+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) 4.3 mm ±5%  Color jacket gray  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
Outer-Ø (jacket)  Color jacket  gray  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)	
Color jacket gray  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	Shore hardness jacket	80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)
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)	4.3 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  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	gray
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	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	
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 (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	Current load capacity	
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)	
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
No. of bending cycles (C-track) max. 2 Mio. (25 °C) Travel speed (C-track) max. 3.3 m/s	Bending radius (fixed)	
Travel speed (C-track) max. 3.3 m/s	Bending radius (dynamic)	15× outer Ø
	No. of bending cycles (C-track)	max. 2 Mio. (25 °C)
Acceleration (C-track) max. 5 m/s <sup>2</sup>	Travel speed (C-track)	max. 3.3 m/s
	Acceleration (C-track)	max. 5 m/s <sup>2</sup>