

## M12 male $0^{\circ}$ / M12 female $0^{\circ}$ A-cod.

PUR 3x0.34 bk UL/CSA 8m

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

Male straight - female straight

M12 - M12, 3-pole

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

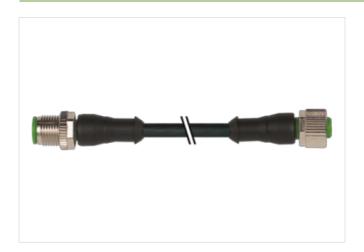
Plastic housings with good resistance against chemicals and oils.

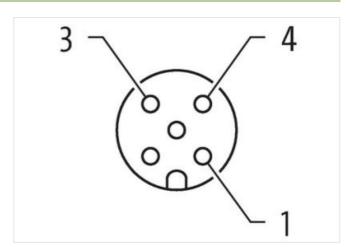
The resistance to aggressive media should be individually tested for your application. Further details on request.

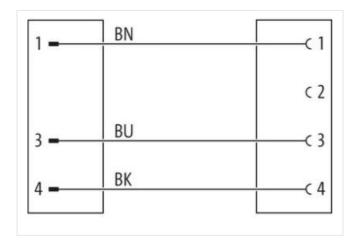
Further cable lengths on request.

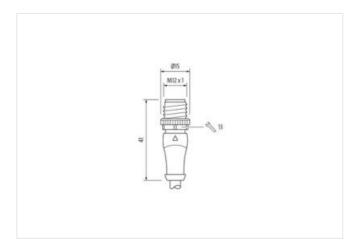
### **Link to Product**

#### Illustration



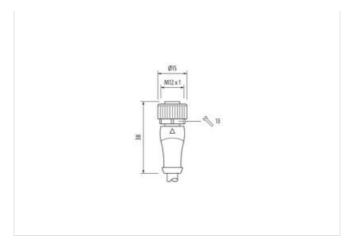


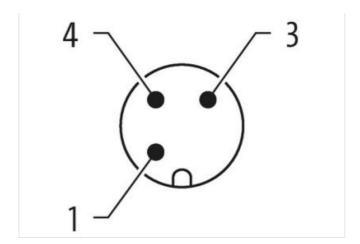






stay connected





Product may differ from Image













Cable length	8 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material	PUR
No. of poles	3
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material	PUR
No. of poles	3
Width across flats	SW13
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855



stay connected

Table	customs tariff number	85444290
Fleckrical disa   Supply  Fleckrical disa   Supply  Sperating voltage AC max.   250 V   Sperating voltage AC (Listed)   30 V   Speratin	GTIN	
Diporating voltage AC max.   250 V		
Departing voltage AC max.   250 V   Departing voltage DC max.   250 V   Departing voltage DC max.   250 V   Departing voltage AC UL-Islaed)   30 V   Departing voltage AC UL-Islaed AC		·
Departing voltage DC max. 250 V Departing voltage AC (IUL-listed) 30 V Decreating voltage AC (IUL-listed) 30 V Decreating voltage AC (IUL-listed) 30 V Decreating voltage DC fluid-listed) 30 V Decreating voltage DC max. 4 A Installation   Connection Wounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 2,5 kV Maderal group (IEC 60664-1)  Mechanical data   Material data  Soating of fitting nickele plated  Locating of ching nickele plated  Locating of ching nickele plated  Locating of thing nickele plated  Locating method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Departing temperature min. 25 °C Departing temperature min. 25 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable Ibes.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by accessive bending radii when laying cables, as the IP protection class can be endangered by accessive bending radii when laying cables, as the IP protection class can be endangered by accessive bending radii when laying cables, as the IP protection class can be endangered by accessive bending radii when laying cables, as the IP protection class can be endangered by accessive bending radii when laying cables, as the IP protection class can be endangered by accessive bending radii when laying cables, as the IP protection class can be endangered by accessive bending radii when laying cables, as the IP protection class can be endangered by accessive bending radii when laying cables, as the IP protection class can be endangered by accessive bending radii when laying cables, as the IP protection class can be endangered by accessive bending radii when laying cables, as the IP protection class can be endangered by accessive bending		
Spranting voltage AC (UL-isted)   30 V		
Spreading per contact max. 4 A Installation Connection Mounting set M12 x 1 Device protection   Electrical Mounting set M12 x 1 Device protection   Electrical Mounting set M12 x 1 Device protection   Electrical Mounting set Installation   Connection   Mounting set Installation   Mounting set Installa		
Current operating per contact max.  Installation   Connection  Mounting set   M12 x 1  Device protection   Electrical  Additional condition protection degree   inserted, screwed    Pollution Degree   3   3   3    Related surge voltage   2,5 kV    Material group (IEC 80664-1)   I    Mechanical data   Material data    Material group (IEC 80664-1)   I    Mechanical data   Material data    Zinc die-casting   circle   circle    Material screw connection   Zinc die-casting    Mechanical data   Mounting data    Mounting method   inserted, screwed, Shaking protection    Environmental characteristics   Climatic    Diperating temperature max.   85 °C    Operating temperature max.   85 °C    Continuity    Important installation notes    Note on bending radius   Alfantion: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Catelo identification   623    Catelo identification   624    Catelo identification   625    Catelo veright [gm]   35,97 g    Material wire   Curre, bare    Contenting (core)   0,1 mm    Contenting (core)   0,1 mm    Contenting (core)   0,1 mm    Material property wire insulation   PVC    Material property wire insulation   PVC    Material property wire insulation   24,2 mm   50    Material property wire insulation   24,2 mm   50    Material property wire insulation   42,5 mm   50    Material property wire insulation   43,5 D    Micro Diameter   Continuation   43,5 D		
Mounting set   M12 x 1		**
Nounting set  Nounting set  Notice protection   Electrical  Additional condition protection degree  3   Saladed surge voltage   2,5 kW    Material group (IEC 50664-1)   1    Mochanical data   Material data		4 A
Additional condition protection degree inserted, screwed  Pollution Degree 3 Pollution Degree 2,5 kV  Material group (IEC 60664-1) 1  Coating locking Mechanical data   Material data  Coating of fitting nickel plated Coating nickel	Installation   Connection	
Additional condition protection degree inserted, screwed  Pollution Degree 3  3  3  3  3  3  3  3  3  3  3  3  3	Mounting set	M12 x 1
Foliution Degree 3 Faited surge voltage 2,5 kV  Material group (IEC 60684+1) 1  Mechanical data   Material data  Coating oldking Nickel plated .ocking material 2	Device protection   Electrical	
Rated surge voltage 2,5 kV Material group (IEC 60694-1) I  Mechanical data   Material data  Coating locking   Nickeled  Coating filting   nickel plated  Coating filting   Nickeled   Nickeled   Nickeled    Mechanical data   Mounting data  Mounting method   Inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Deparating temperature min.   -25 °C  Operating temperature min.   -25 °C  Operating temperature may.   85 °C  Additional condition temperature range   depending on cable quality    Important installation notes  Note on bending radiu when laying cables, as the IP protection class can be endangered by excessive bending fradii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard   DIN EN 61076-2-101 (M12)  Cable destification   623  Cable type   2 (PUR/PVC)  Approval (cable)   UL (AWM-Style 20549/1731), CSA: CE conform  Cable wight [pm]   35,97 g  Material wire   Cu wire, bare    Resistor (core)   1.1 mm  Construction (core)   42 × 0.1 mm (multi-strand wire class 6)  Diameter (core)   3 · 0.34 mm²  ANOG   similar to AWG 22  Material wire insulation   PVC  Material wire insulation   43 · 5 D  Miterial property wire insulation   43 · 5 D	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1)  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  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product slandard DIN EN 61076-2-101 (M12)  Cable  Cable  Cable  Cable  Cable (application)  Sas 97 g  QURIPVC)  Approval (cable)  UL (AWM-Style 20549/1731), CSA; CE conform  Material wire C wire, bare  Resistor (core)  max. 57 Q/km (20 °C)  Single wire Q (core)  On 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  CFC, cadmium., silicone- and lead-free  Shore hardness wire isolation  43 ± 5 D  Wire-Q formination of wires  black similar to RAL, 9005  Stranding combination of wires  black similar to RAL, 9005  Stranding combination of wires  black similar to RAL, 9005  Stranding combination of wires  black similar to RAL, 9005	Pollution Degree	3
Mechanical data   Material data Coating locking Nickeled   Nickeled   Coating of fitting   Nickeled   Coating of fitting   Nickeled   Coating of fitting   Nickeled   Coating of fitting   Nickeled   Coating   Coating of fitting   Nickeled   Coating   Coatin	Rated surge voltage	2,5 kV
Coating locking Nickeled nickel plated   Nicke	Material group (IEC 60664-1)	I
Coating of fitting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data   Mounting data   Mounting method inserted, screwed, Shaking protection   Environmental characteristics   Climatic   Ciperating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality   Important installation notes   Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity   Product standard DIN EN 61076-2-101 (M12)   Cable (detrification 623  Cable Type 2 (PUR/PVC)  Approval (cable) UL (AWM-Style 20549/1731), CSA; CE conform   Cable weight (g/m) 35.97 g  Material wire Core) 9	Mechanical data   Material data	
Locking material Zinc die-casting Material screw connection Zinc die-casting Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatio  Eperating temperature min25 °C Operating temperature max. 85 °C Operating temperature ma	Coating locking	Nickeled
Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Deparating temperature min25°C  Operating temperature max. 85°C  Additional condition temperature range depending on cable quality  Important installation notes  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 623  Cable identification 623  Cable identification 623  Cable identification 623  Cable identification 92 (PUR/PVC)  Approval (cable) UL (AWM-Style 20549/1731), CSA; CE conform  Cable weight [g/m] 35,97 g  Material wire Curve max. 87 Q/km (20°C)  Single wire Ø (core) 0.1 mm  Construction (core) 42-0.1 mm (multi-strand wire class 6)  Diameter (core) 3-0.34 mm²  AWG  Material wire insulation PVC  Material 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%  Coloronumbering of wires black similar to RAL 9005  Stranding combination 3 wires twisted	Coating of fitting	nickel plated
Mechanical data   Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Deperating temperature min. 25 °C  Deparating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  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 (abelification 623  Cable Type 2 (PUR/PVC)  Approval (cable) UL (AWM-Style 20549/1731), CSA; CE conform  Cable weight [g/m] 35,97 g  Material wire Course (ore) max. 57 $\Omega$ /km (20 °C)  Single wire Ø (ore) 0.1 mm  Construction (core) 42× 0.1 mm (multi-strand wire class 6)  Diameter (core) 3 x 0.34 mm²  MAVG 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%  Colorinumbering of wires black similar to RAL 9005  Stranding combination 3 wires twisted	Locking material	Zinc die-casting
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  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 623  Cable Type 2 (PUR/PVC)  Approval (cable) UL (AWM-Style 20549/1731), CSA; CE conform  Attential wire Cu wire, bare  Resistor (core) max. 57 Okm (20 °C)  Single wire Ø (core) 0.1 mm  Construction (core) 42× 0.1 mm (multi-strand wire class 6)  Diameter (core) 3× 0.34 mm²  Material wire isolation PVC  Material wire isolation PVC  Material wire isolation 43 ±5 D  Wire-Ø incl. isolation 1.25 mm ±5%  Colorinumbering of wires by desirable and interest and interest and lead-free  Stranding combination 3 wires twisted	Material screw connection	Zinc die-casting
Environmental characteristics   Climatic  Operating temperature min.  -25 °C  Operating temperature max.  85 °C  Additional condition temperature range depending on cable quality  Important installation notes  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 623  Cable Type 2 (PUR/PVC)  Approval (cable) UL (AWM-Style 20549/1731), CSA; CE conform  Cable weight [g/m] 35,97 g  Material wire Cu wire, bare  Resistor (core) max. 57 Ω/km (20 °C)  Single wire Ø (core) 0.1 mm  Construction (core) 42 × 0.1 mm (multi-strand wire class 6)  Diameter (core) 3 × 0.34 mm²  AWG similar to AWG 22  Material wire isolation PVC  Material wire isolation PC  Aggress wire isolation 43 ± 5 D  Wire-Ø incl. isolation 1.25 mm ±5%  Color/numbering of wires black similar to RAL 9005  Stranding combination 3 wires twisted	Mechanical data   Mounting data	
Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12)           Cable         Cable dentification         623           Cable In 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)           Construction (core)         0.1 mm           Construction (core)         3 × 0.34 mm²           AWG         similar to AWG 22           Material wire isolation         CFC-, cadmium-, silicone- and lead-free           Shore hardness wire isolation         42 ± D mm (2005)           Witte-Ø incl. isolation         1.25 mm ±5%           Color/numbering of wires         black similar to RAL 9005           Stranding co	Mounting method	inserted, screwed, Shaking protection
Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12)           Cable         Cable dentification         623           Cable In 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)           Construction (core)         0.1 mm           Construction (core)         3 × 0.34 mm²           AWG         similar to AWG 22           Material wire isolation         CFC-, cadmium-, silicone- and lead-free           Shore hardness wire isolation         42 ± D mm (2005)           Witte-Ø incl. isolation         1.25 mm ±5%           Color/numbering of wires         black similar to RAL 9005           Stranding co	Environmental characteristics   Climatic	
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Additional condition temperature range depending on cable quality  Important installation notes  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 623  Cable identification 623  Cable useight [g/m] 35,97 g  Material wire Cu wire, bare  Resistor (core) max. 57 Ω/km (20 °C)  Sirigle wire Ø (core) 0.1 mm  Construction (core) 42× 0.1 mm (multi-strand wire class 6)  Diameter (core) 3× 0.34 mm²  AVMG similar to AWG 22  Material wire isolation PVC  Material wire isolation PVC  Material wire isolation PVC  Material wire isolation 43 ± 5 D  Wire-Ø incl. isolation 1.25 mm ±5%  Color/numbering of wires black similar to RAL 9005  Stranding combination 3 wires twisted		
Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12)           Cable         Cable         Cable (dentification)         623           Cable trype         2 (PUR/PVC)         Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cable weight [g/m]         35,97 g         Material wire           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         1.25 mm ±5%           Color/numbering of wires         black similar to RAL 9005           Stranding combination         3 wires twisted	<u> </u>	
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Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity           Product standard         DIN EN 61076-2-101 (M12)           Cable           Cable identification         623           Cable Type         2 (PUR/PVC)           Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cable weight [g/m]         35,97 g           Material wire         Cu wire, bare           Resistor (core)         max. 57 Ω/km (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42 × 0.1 mm (multi-strand wire class 6)           Diameter (core)         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         black similar to RAL 9005           Stranding combination         3 wires twisted	•	
Conformity           Product standard         DIN EN 61076-2-101 (M12)           Cable           Cable identification         623           Cable Type         2 (PUR/PVC)           Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cable weight [g/m]         35,97 g           Material wire         Cu wire, bare           Resistor (core)         max. 57 Ω/km (20 °C)           Single wire Ø (core)         0.1 mm (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         43 ±5 D           Wire-Ø incl. isolation         1.25 mm ±5%           Color/numbering of wires         black similar to RAL 9005           Stranding combination         3 wires twisted	Note on strain relief	
Product standard         DIN EN 61076-2-101 (M12)           Cable         Cable identification         623           Cable Type         2 (PUR/PVC)           Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cable weight [g/m]         35.97 g           Material wire         Cu wire, bare           Resistor (core)         max. 57 Ω/km (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42× 0.1 mm (multi-strand wire class 6)           Diameter (core)         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         black similar to RAL 9005           Stranding combination         3 wires twisted	Note on bending radius	
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Cable identification       623         Cable Type       2 (PUR/PVC)         Approval (cable)       UL (AWM-Style 20549/1731), CSA; CE conform         Cable weight [g/m]       35,97 g         Material wire       Cu wire, bare         Resistor (core)       max. 57 Ω/km (20 °C)         Single wire Ø (core)       0.1 mm         Construction (core)       42× 0.1 mm (multi-strand wire class 6)         Diameter (core)       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       black similar to RAL 9005         Stranding combination       3 wires twisted	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-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       black similar to RAL 9005         Stranding combination       3 wires twisted	Cable	
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         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       black similar to RAL 9005         Stranding combination       3 wires twisted	Cable identification	623
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           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         black similar to RAL 9005           Stranding combination         3 wires twisted	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)       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       black similar to RAL 9005         Stranding combination       3 wires twisted	Approval (cable)	UL (AWM-Style 20549/1731), CSA; CE conform
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 black similar to RAL 9005   Stranding combination 3 wires twisted	Cable weight [g/m]	35,97 g
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  black similar to RAL 9005  Stranding combination  3 wires twisted	Material wire	Cu wire, bare
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 black similar to RAL 9005  Stranding combination 3 wires twisted	Resistor (core)	max. 57 Ω/km (20 °C)
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  black similar to RAL 9005  Stranding combination  3 wires twisted	Single wire Ø (core)	0.1 mm
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 black similar to RAL 9005  Stranding combination 3 wires twisted	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 black similar to RAL 9005  Stranding combination 3 wires twisted	Diameter (core)	3× 0.34 mm²
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  black similar to RAL 9005  Stranding combination  3 wires twisted	AWG	similar to AWG 22
Shore hardness wire isolation 43 ±5 D  Wire-Ø incl. isolation 1.25 mm ±5%  Color/numbering of wires black similar to RAL 9005  Stranding combination 3 wires twisted	Material wire isolation	PVC
Wire-Ø incl. isolation 1.25 mm ±5%  Color/numbering of wires black similar to RAL 9005  Stranding combination 3 wires twisted	Material property wire insulation	CFC-, cadmium-, silicone- and lead-free
Color/numbering of wires black similar to RAL 9005 Stranding combination 3 wires twisted	Shore hardness wire isolation	43 ±5 D
Stranding combination 3 wires twisted	Wire-Ø incl. isolation	1.25 mm ±5%
	Color/numbering of wires	black similar to RAL 9005
Shield no	Stranding combination	3 wires twisted
	Shield	no

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: 2024-05-19



## stay connected

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	black
chemical resistance	good resistance to oil, gasoline and chemicals
Nominal voltage	UL 300 V AC
Test voltage	2000 V AC
Current load capacity	to DIN VDE 0298-4
Temperature range (fixed)	-30+80 °C
Temperature range (mobile)	-5+80 °C
Bending radius (fixed)	10× outer Ø
Bending radius (dynamic)	15× outer Ø
No. of bending cycles (C-track)	max. 2 Mio. (25 °C)
Travel speed (C-track)	max. 3.3 m/s
Acceleration (C-track)	max. 5 m/s <sup>2</sup>