

M12 male 0° / M12 female 90° A-cod. V4A

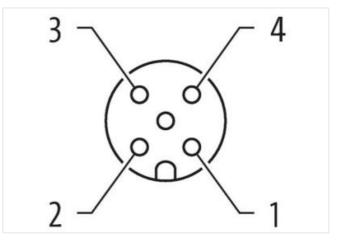
PUR 4x0.34 bk UL/CSA+drag ch. 1.5m

Male straight – female 90° M12 – M12, 4-pole Stainless steel 1.4404 (V4A) 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.

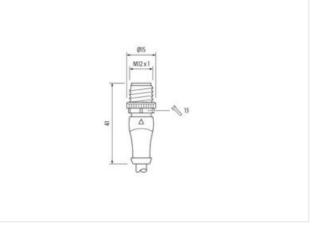
Link to Product





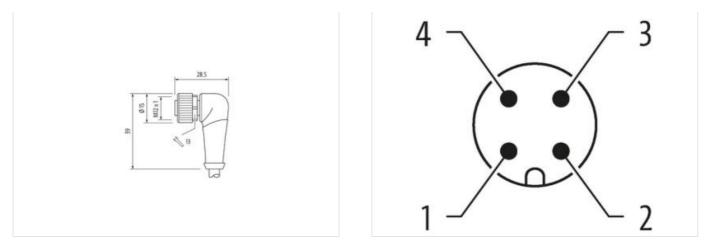


1 =	BN	
2 =	WH	C 2
3 -	BU	
4	BK	c 4



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Product may differ from Image



Side 1 Tightening torque 0.6 Nm Family construction form M12 Thread M12 × 1 suitable for corrugated tube (internal Ø) 10 mm Coding A Width across flats SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Side 2		
Tightening torque0.6 NmFamily construction formM12ThreadM12 × 1Suitable for corrugated tube (internal 0)10 mmCodingAWidth across flatsSW13Degree of protection (EN IEC 60529)IP65, IP66K, IP67Side 2Family construction formTightening torque0.6 NmFamily construction formM12 × 1CodingACommercial dataECLASS-6.027279218ECLASS-6.027279218ECLASS-6.027279218ECLASS-6.027279218ECLASS-6.127060311ECLASS-6.1250 VDeparating voltage AC (UL-listed)30 V	Cable length	1,5 m
Family construction form M12 Thread M12 x 1 Suitable for corrugated tube (internal 0) 10 mm Coding A Width across flats SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Side 2	Side 1	
Thread M12 x 1 coding 10 mm Coding A Wittl across flats SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Side 2 IP60, IP66K, IP67 Side 3 IP60, IP66K, IP67 Side 4 IP60, IP66K, IP67 Side 4 IP60, IP66K, IP67 Side 1 IP60, IP66K, IP67 Side 2 IP60, IP66K, IP67 Side 2 IP66K, IP67 Side 2 IP66K, IP67 Side 3 IP66K, IP67 Side 3 IP66K, IP67 Side 3 IP66K, IP67 Commercial dat M12 x 1 Coding A Commercial data IP66K, IP67 ECLASS 6.0 27279218 ECLASS 7.0 27279218 ECLASS 1.1 27060311 ECLASS 1.2.0 27060311 ECLASS 1.2.0 27060311	Tightening torque	0,6 Nm
suitable for corrugated tube (internal Ø) 10 mm Coding A Width across flats SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Side 2 Tightening torque 0,6 Nm Family construction form M12 Thread M12 x 1 Coding A Coding <td< td=""><td>Family construction form</td><td>M12</td></td<>	Family construction form	M12
Coding A Width across flats SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Side 2 Press Tightening torque 0,6 Nm Family construction form M12 Thread M12 x 1 Coding A Commercial data M12 x 1 ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-10.2 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ECLASS-12.0 ECO1855 cuastoms tariff number 85444290 GTIN 4048879666107 Packaging unit 1 Electrical data Supply 250 V Opera	Thread	M12 x 1
Width across flats SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Side 2 Tightening torque 0,6 Nm Family construction form M12 Thread M12 x 1 Coding A Commercial data Z7279218 ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-7.0 27279218 ECLASS-6.1 27279218 ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-10.1 27060311 ECLASS-10.1 27060311 ECLASS-10.1 27060311 ECLASS-12.0 27060311 ECLASS-12.0 EC001855 customs tariff number 85444290 GTIN 404887966107 Packaging unit 1 Electrical data Supply 250 V Operating voltage AC max. 250 V Operating voltage AC (UL-listed) 30 V	suitable for corrugated tube (internal Ø)	10 mm
Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Side 2	Coding	A
Side 2 Tightening torque 0.6 Nm Family construction form M12 Thread M12 x 1 Coding A Commercial data ECLASS-6.0 ECLASS-6.0 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 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ECIASS-12.0 27060311 ECLASS-12.0 27060311 ECIASS-12.0 27060311 ECIASS-12.0 27060311 ECIASS-11 27060311 ECIASS-12.0 27060311 ECIASS-11 27060311 ECIASS-11 27060311 ECIASS-11 27060311 ECIASS-11 27060311	Width across flats	SW13
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Family construction form M12 Thread M12 x 1 Coding A Commercial data ECLASS-6.0 ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060311 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 4048879666107 Packaging unit 1 Electrical data Supply 250 V Operating voltage AC max. 250 V Operating voltage AC (UL-listed) 30 V	Side 2	
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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 4048879666107 Packaging unit 1 Electrical data Supply 250 V Operating voltage AC max. 250 V Operating voltage AC (UL-listed) 30 V	ECLASS-6.1	27279218
ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879666107 Packaging unit 1 Electrical data Supply 250 V Operating voltage AC max. 250 V Operating voltage AC (UL-listed) 30 V	ECLASS-7.0	27279218
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ECLASS-11.1 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879666107 Packaging unit 1 Electrical data Supply 250 V Operating voltage AC max. 250 V Operating voltage AC (UL-listed) 30 V	ECLASS-9.0	27060311
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ETIM-5.0EC001855customs tariff number85444290GTIN4048879666107Packaging unit1Electrical data SupplyOperating voltage AC max.250 VOperating voltage DC max.250 VOperating voltage AC (UL-listed)30 V	ECLASS-11.1	27060311
Customs tariff number 85444290 GTIN 4048879666107 Packaging unit 1 Electrical data Supply 250 V Operating voltage AC max. 250 V Operating voltage DC max. 250 V Operating voltage AC (UL-listed) 30 V	ECLASS-12.0	27060311
GTIN 4048879666107 Packaging unit 1 Electrical data Supply 250 V Operating voltage AC max. 250 V Operating voltage DC max. 250 V Operating voltage AC (UL-listed) 30 V	ETIM-5.0	EC001855
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	customs tariff number	
Electrical data Supply Operating voltage AC max. 250 V Operating voltage DC max. 250 V Operating voltage AC (UL-listed) 30 V	GTIN	4048879666107
Operating voltage AC max. 250 V Operating voltage DC max. 250 V Operating voltage AC (UL-listed) 30 V	Packaging unit	1
Operating voltage DC max. 250 V Operating voltage AC (UL-listed) 30 V	Electrical data Supply	
Operating voltage AC (UL-listed) 30 V	Operating voltage AC max.	250 V
	Operating voltage DC max.	250 V
Operating voltage DC (UL-listed) 30 V	Operating voltage AC (UL-listed)	30 V
	Operating voltage DC (UL-listed)	30 V

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Current operating per contact max.	4 A
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Device protection Electrical	
Pollution Degree	3
Rated surge voltage	2,5 kV
Material group (IEC 60664-1)	1
Mechanical data Material data	
Material housing	PUR
Locking material	Stainless steel 1.4404 (V4A)
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	
•	Distant the compositors by quitable measures from mechanical leads a sub-the warse of achiever
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)
Installation Cable	
Cable identification	634
Cable Type	3
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Amount stranding Stranding	I 4 wires twisted
Stranding	4 wires twisted
Stranding wire arrangement	4 wires twisted brown, black, blue, white
Stranding wire arrangement Cable weigth	4 wires twisted brown, black, blue, white 36,3 g/m
Stranding wire arrangement Cable weigth Material jacket	4 wires twisted brown, black, blue, white 36,3 g/m PUR
Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	4 wires twisted brown, black, blue, white 36,3 g/m PUR 90 ± 5 Shore A
Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket	4 wires twisted brown, black, blue, white 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	4 wires twisted brown, black, blue, white 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm
Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	4 wires twisted brown, black, blue, white 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm ± 5 %
Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	4 wires twisted brown, black, blue, white 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm ± 5 % PP
Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires	4 wires twisted brown, black, blue, white 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm ± 5 % PP 4
Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation	4 wires twisted brown, black, blue, white 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm ± 5 % PP 4 1,25 mm
Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter core insulation	4 wires twisted brown, black, blue, white 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm ± 5 % PP 4 1,25 mm ± 5 %
Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter tolerance core insulation Shore hardness wire insulation	4 wires twisted brown, black, blue, white 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm ± 5 % PP 4 1,25 mm ± 5 % 70 ± 5 Shore D
Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation	4 wires twisted brown, black, blue, white 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm ± 5 % PP 4 1,25 mm ± 5 % 70 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire)	4 wires twisted brown, black, blue, white 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm ± 5 % PP 4 1,25 mm ± 5 % 70 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 42
Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires	4 wires twisted brown, black, blue, white 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm ± 5 % PP 4 1,25 mm ± 5 % 70 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 42 0,1 mm
Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Ingredient strands (wire) Diameter of single wires Conductor crosssection (wire)	4 wires twisted brown, black, blue, white 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm ± 5 % PP 4 1,25 mm ± 5 % 70 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 42 0,1 mm 0,34 mm²
Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire	4 wires twisted brown, black, blue, white 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm ± 5 % PP 4 1,25 mm ± 5 % 70 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 42 0,1 mm 0,34 mm² Stranded copper wire, bare
Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire)	4 wires twisted brown, black, blue, white 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm ± 5 % PP 4 1,25 mm ± 5 % 70 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 42 0,1 mm 0,34 mm² Stranded copper wire, bare strand class 6
Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter tolerance core insulation Shore hardness wire insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Nominal voltage AC max.	4 wires twisted brown, black, blue, white 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm ± 5 % PP 4 1,25 mm ± 5 % 70 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 42 0,1 mm 0,34 mm² Stranded copper wire, bare strand class 6 300 V
Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Ingredient freeness wire insulation Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Nominal voltage AC max. Current load capacity (standard)	4 wires twisted brown, black, blue, white 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm ± 5 % PP 4 1,25 mm ± 5 % 70 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 42 0,1 mm 0,34 mm² Stranded copper wire, bare strand class 6 300 V to DIN VDE 0298-4
Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter tolerance core insulation Shore hardness wire insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire	4 wires twisted brown, black, blue, white 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm ± 5 % PP 4 1,25 mm ± 5 % 70 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 42 0,1 mm 0,34 mm² Stranded copper wire, bare strand class 6 300 V to DIN VDE 0298-4 4,8 A
Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter tolerance core insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Nominal voltage AC max. Current load capacity (standard) Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - wire)	4 wires twisted brown, black, blue, white 36.3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm ± 5 % PP 4 1,25 mm ± 5 % 70 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 42 0,1 mm 0,34 mm² Stranded copper wire, bare strand class 6 300 V to DIN VDE 0298-4 4,8 A 57 Ω/km @ 20 °C 2,5 kV @ 60 s
Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter tolerance core insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire AC withstand voltage (wire - wire)	4 wires twisted brown, black, blue, white 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm ± 5 % PP 4 1,25 mm ± 5 % 70 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 42 0,1 mm 0,34 mm² Stranded copper wire, bare strand class 6 300 V to DIN VDE 0298-4 4,8 A 57 Ω/km @ 20 °C

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Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	10 m @ 25 °C horizontal
Travel speed (C-track)	3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min

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