

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

PUR 4x0.34 shielded gy UL/CSA 10,5m

Male straight – female straight M12 – M12, 4-pole shielded

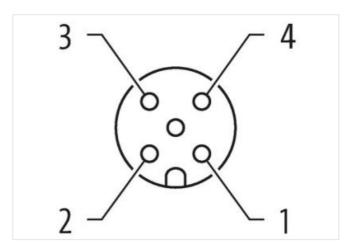
Plastic housings with good resistance against chemicals and oils.

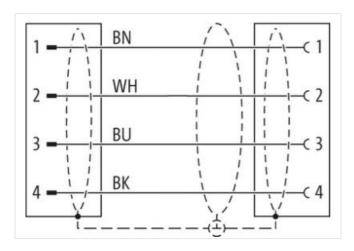
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

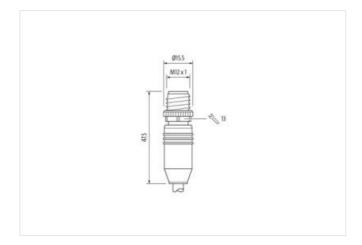
Link to Product

Illustration



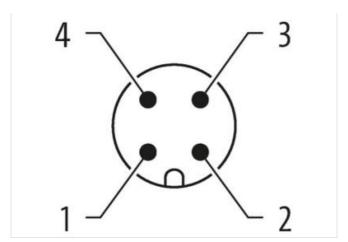


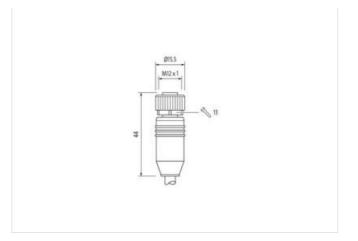






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Product may differ from Image













	10,5 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Material	PUR
Width across flats	SW13
Commercial data	
ECLASS-6.0	27061801
ECLASS-7.0	27061801
LOLAGO-1.0	
ECLASS-8.0	27061801
ECLASS-8.0	27061801
ECLASS-8.0 ECLASS-9.0	27061801 27061801
ECLASS-8.0 ECLASS-9.0 ECLASS-10.1	27061801 27060311
ECLASS-8.0 ECLASS-9.0 ECLASS-10.1 ECLASS-11.1	27061801 27061801 27060311 27060311
ECLASS-8.0 ECLASS-9.0 ECLASS-10.1 ECLASS-11.1 ECLASS-12.0	27061801 27060311 27060311 27060311
ECLASS-8.0 ECLASS-9.0 ECLASS-10.1 ECLASS-11.1 ECLASS-12.0 ETIM-5.0	27061801 27060311 27060311 27060311 EC001855
ECLASS-8.0 ECLASS-9.0 ECLASS-10.1 ECLASS-11.1 ECLASS-12.0 ETIM-5.0 customs tariff number	27061801 27060311 27060311 27060311 EC001855 85444290
ECLASS-8.0 ECLASS-9.0 ECLASS-10.1 ECLASS-11.1 ECLASS-12.0 ETIM-5.0 customs tariff number	27061801 27060311 27060311 27060311 EC001855 85444290 4048879797702
ECLASS-8.0 ECLASS-9.0 ECLASS-10.1 ECLASS-11.1 ECLASS-12.0 ETIM-5.0 customs tariff number GTIN Packaging unit	27061801 27060311 27060311 27060311 EC001855 85444290 4048879797702
ECLASS-8.0 ECLASS-9.0 ECLASS-10.1 ECLASS-11.1 ECLASS-12.0 ETIM-5.0 customs tariff number GTIN Packaging unit Electrical data Supply	27061801 27060311 27060311 27060311 EC001855 85444290 4048879797702

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: 2024-05-18



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Installation Connection Mounting set	Operating voltage DC (UL-listed)	30 V
Mounting set Device protection Electrical Additional condition protection degree inserted, screwed Machinaled fata Material data Mate	Current operating per contact max.	4 A
Additional condition protection degree Machanical data Material data Mechanical Department Mechanical data Mechanical Department Mechanical data Mechanical Department Mecha	Installation Connection	
Additional condition protection degree Machanical data Material data Mechanical Department Mechanical data Mechanical Department Mechanical data Mechanical Department Mecha	Mounting set	M12 x 1
Additional condition protection degree inserted, screwed Mechanical data Material data Coating of fitting nickel plated Coating of fitting nickel plated Coating of fitting nickel plated Coating of fitting Incode-casting Mechanical data Mounting data Mounting method commended coating Mechanical data Mounting data Mounting method commended coating Mechanical data Mounting data Mounting method commended coating Environmental characteristics Climatic Institution of the commended of t		
Mechanical data Material data Material data Mickeled		Secretar control
Coating locking nickel plated Coating of fitting nickel plated Coating of fitting nickel plated Coating of fitting Material screw connection Zinc die-casting Material screw connection Zinc die-casting Mechanical data Mounting data Mounting method Inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature max. 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 ties. Note on bending radius Afterion: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Contornity Product standard DIN EN 61976-2-101 (M12) Installation Cable wire arrangement Cable identification 335 Jacket Color gray Type of Certificate Africation Jacket Color Stranding 4 wires twisted Cable shelding (goverage) 85 % Banding Fleece, Foil Stranding Fleece, Foil Stranding Fleece, Foil Stranding Fleece, Foil Cable in the fine of the protection		inserted, screwed
Coating of fitting nickel plated Izoking material Izin de-casting Izin de-Cast	Mechanical data Material data	
Locking material Material screw connection Zinc disc casting Mechanical datal Mounting data Mechanical datal Mounting data Mechanical datal Mounting data Mechanical datal Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics [climatic Deparating temperature min. 25 ° C Operating temperature min. 25 ° C Additional condition temperature range Important installation notes Important installation notes Note on strain relief Note on strain relief Note on strain relief Note on bending radius Attention: Observe the permissibile 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 installation Cable Cable identification 335 Jacket Color gray Type of Certificate Cubic identification 336 Cable shelding (type) Ca	Coating locking	Nickeled
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Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic 25 °C Operating temperature min.	Locking material	
Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min.	Material screw connection	Zinc die-casting
Environmental characteristics Climatic Operating temperature min25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation neture max. 86 °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. Afternion: 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 Wire arrangement brown, black, blue, white Cable identification 335 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted Cable shielding (type) copper braid, timed Cable shielding (type) copper braid, timed Cable shielding (coverage) 85 % Banding Fleece, Foil Banding Fleece, Foil Material jacket PUR Attendance (gacket) 15 % Material jacket PUR Amount sirandion 1,55 mm Outer diameter (gacket) 5,9 mm Tolerance outer diameter (spicket) 1,55 mm Outer diameter insulation 72 ± 3 Shore D Ingredient resease wire insulation 1,55 mm Outer diameter rollations wire insulation 1,55 mm Outer diameter insulation 1,55 mm Outer diameter rollations wire insulation 1,55 mm Outer diameter insulation 1,55 mm Outer diameter rollations wire insulation 1,55 mm Outer diameter insulation 1,55 mm Outer diameter rollations wire insulation 1,55 mm Outer diameter rollations wir	Mechanical data Mounting data	
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Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. 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 wire arrangement brown, black, blue, white Cable identification 335 Jacket Color gray Type of Certificate cURsus Amount stranding 1 Stranding 1 Stranding 4 wires twisted Cable shielding (type) copper braid, finned Cable shielding (coverage) 85 % Banding Fleece, Foil wire arrangement brown, black, blue, white Cable weigh 56,1 g/m Material jacket Cable weigh 55,1 g/m Material ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Amount wires 4 Outer diameter (sheath) 1,25 mm Outer diameter rolerance core insulation 72 ± 3 Shore D Ingredient freeness wire insulation 72 ± 3 Shore D Ingredient freeness wire insulation 1,1 mm Canductor crosssection (wire) 0,34 mm² Material vire on August 1,25 mm Outer of single wires 0,1 mm Canductor crosssection (wire) 0,34 mm² Material vire on August 2,3 mm Outer of single wires 0,1 mm Canductor crosssection (wire) 0,34 mm² Material vire on August 2,3 mm Outer of single wires 0,1 mm Canductor crosssection (wire) 0,34 mm² Material vire on August 2,5 mm Outer of single wires 0,1 mm Canductor crosssection (wire) 0,34 mm² Material vire on August 2,5 mm Outer of single wires 0,1 mm Canductor crosssection (wire) 0,34 mm² Material vire on August 2,5 mm Outer of single wires 0,1 mm	Additional condition temperature range	depending on cable quality
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Cable weigth 56,1 g/m Material jacket PUR Shore hardness jacket 85 ± 3 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,55 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 72 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare	Amount stranding Stranding Cable shielding (type) Cable shielding (coverage)	1 4 wires twisted copper braid, tinned 85 %
Material jacket PUR Shore hardness jacket 85 ± 3 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,55 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 72 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare	Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding	1 4 wires twisted copper braid, tinned 85 % Fleece, Foil
Shore hardness jacket 85 ± 3 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,55 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 72 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare	Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding wire arrangement	1 4 wires twisted copper braid, tinned 85 % Fleece, Foil brown, black, blue, white
Freedom from ingredients (jacket) Lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,55 mm Outer diameter tolerance core insulation 5 % Shore hardness wire insulation 72 ± 3 Shore D Ingredient freeness wire insulation Ingredient freeness wire insulation PE Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare	Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding wire arrangement Cable weigth	1 4 wires twisted copper braid, tinned 85 % Fleece, Foil brown, black, blue, white 56,1 g/m
Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,55 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 72 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare	Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding wire arrangement Cable weigth Material jacket	1 4 wires twisted copper braid, tinned 85 % Fleece, Foil brown, black, blue, white 56,1 g/m PUR
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,55 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 72 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare	Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding wire arrangement Cable weigth	1 4 wires twisted copper braid, tinned 85 % Fleece, Foil brown, black, blue, white 56,1 g/m PUR 85 ± 3 Shore A
Material wire insulation PP Amount wires 4 Outer diameter insulation 1,55 mm Outer diameter tolerance core insulation ±5 % Shore hardness wire insulation 72 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare	Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding wire arrangement Cable weigth Material jacket Shore hardness jacket	1 4 wires twisted copper braid, tinned 85 % Fleece, Foil brown, black, blue, white 56,1 g/m PUR 85 ± 3 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer diameter insulation 1,55 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 72 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare	Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	1 4 wires twisted copper braid, tinned 85 % Fleece, Foil brown, black, blue, white 56,1 g/m PUR 85 ± 3 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,9 mm
Outer diameter tolerance core insulation ±5% Shore hardness wire insulation 72 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare	Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	1 4 wires twisted copper braid, tinned 85 % Fleece, Foil brown, black, blue, white 56,1 g/m PUR 85 ± 3 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,9 mm ± 5 %
Shore hardness wire insulation 72 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare	Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	1 4 wires twisted copper braid, tinned 85 % Fleece, Foil brown, black, blue, white 56,1 g/m PUR 85 ± 3 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,9 mm ± 5 % PP
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare	Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	1 4 wires twisted copper braid, tinned 85 % Fleece, Foil brown, black, blue, white 56,1 g/m PUR 85 ± 3 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,9 mm ± 5 % PP
Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare	Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding 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	1 4 wires twisted copper braid, tinned 85 % Fleece, Foil brown, black, blue, white 56,1 g/m PUR 85 ± 3 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,9 mm ± 5 % PP 4 1,55 mm
Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare	Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding 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	1 4 wires twisted copper braid, tinned 85 % Fleece, Foil brown, black, blue, white 56,1 g/m PUR 85 ± 3 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,9 mm ± 5 % PP 4 1,55 mm ± 5 %
Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare	Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding 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 tolerance core insulation	1 4 wires twisted copper braid, tinned 85 % Fleece, Foil brown, black, blue, white 56,1 g/m PUR 85 ± 3 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,9 mm ± 5 % PP 4 1,55 mm ± 5 % 72 ± 3 Shore D
Material conductor wire Stranded copper wire, bare	Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding 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 tolerance core insulation Shore hardness wire insulation	1 4 wires twisted copper braid, tinned 85 % Fleece, Foil brown, black, blue, white 56,1 g/m PUR 85 ± 3 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,9 mm ± 5 % PP 4 1,55 mm ± 5 % 72 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
··	Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding 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 tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation	1 4 wires twisted copper braid, tinned 85 % Fleece, Foil brown, black, blue, white 56,1 g/m PUR 85 ± 3 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,9 mm ± 5 % PP 4 1,55 mm ± 5 % 72 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor type (wire) strand class 6	Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding 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 tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire)	1 4 wires twisted copper braid, tinned 85 % Fleece, Foil brown, black, blue, white 56,1 g/m PUR 85 ± 3 Shore A lead-free, cadmium-free, CFC-free, halogen-free , silicone-free 5,9 mm ± 5 % PP 4 1,55 mm ± 5 % 72 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 42 0,1 mm
	Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding 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 tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires	1 4 wires twisted copper braid, tinned 85 % Fleece, Foil brown, black, blue, white 56,1 g/m PUR 85 ± 3 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,9 mm ± 5 % PP 4 1,55 mm ± 5 % 72 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 42 0,1 mm 0,34 mm² Stranded copper wire, bare



Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,8 A
Electrical resistance line constant wire	52 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-20 °C
Operating temperature max. (dynamic)	80 °C
Flame resistance	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (dynamic)	10 x Outer diameter