

M12 male 0° X-cod. / RJ45 male 0° shielded

PUR 4x2xAWG26 shielded gn UL/CSA 8m

Ethernet CAT6A Male straight – male straight M12 – RJ45, 8-pole X-coded

Product fulfills requirements according to UN/ECE R118 shielded

Transmission properties with channel transmission up to 50 m

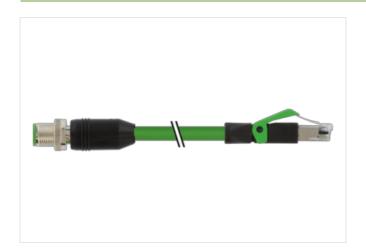
Further cable lengths on request.

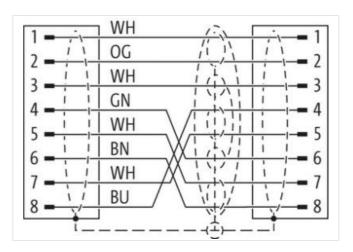
Plastic housings with good resistance against chemicals and oils.

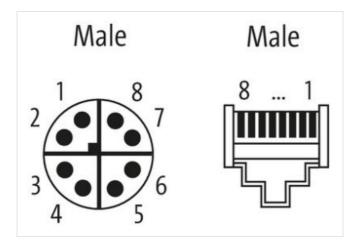
The resistance to aggressive media should be individually tested for your application. Further details on request.

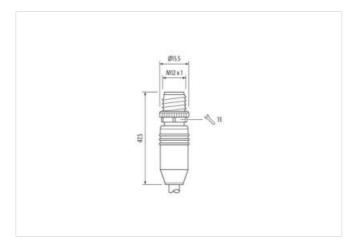
Link to Product

Illustration













Product may differ from Image



Family construction form M12 Thread M12 x 1 Cable outlet straight Coding X Material contact Copper alloy Material PUR No. of poles 8 Width across flats SW13 Degree of protection (EN IEC 60529) IP66K, IP67 Side 2 Mounting method plugable Family construction form RJ45 Cable outlet straight Material PUR No. of poles 8 Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-1.1 27060307 ECLASS-1.1.1 27060307 ECLASS-1.1.2 27060307 ECLASS-1.1.3 27060307 ECLASS-1.2.0 27060307 ECLASS-1.1.1	Cable length	8 m
Mounting method screwed, pluggable Family construction form M12 Thread M12 x 1 Cable outlet straight Coding X Material contact Copper alloy Material on tact PUR No. of poles 8 Width across flats SW13 Degree of protection (EN IEC 60529) IP66K, IP67 Side 2 Wounting method Mounting method pluggable Family construction form RJ45 Cable outlet straight Material PUR No. of poles 8 Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-1.1 27060307 ECLASS-1.2.0 27060307 ECLASS-12.0 27060307 ECLASS-12.0	Side 1	
Family construction form M12 Thread M12 x 1 Cable outlet straight Coding X Material contact Copper alloy Material PUR No. of poles 8 Width across flats SW13 Degree of protection (EN IEC 60529) IP66K, IP67 Side 2 Mounting method plugable Family construction form RJ45 Cable outlet straight Material PUR No. of poles 8 Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-1.1 27060307 ECLASS-1.1.1 27060307 ECLASS-1.1.2 27060307 ECLASS-1.1.3 27060307 ECLASS-1.2.0 27060307 ECLASS-1.1.1	Tightening torque	0,6 Nm
Thread M12 x 1 Cable outlet straight Coding X Material contact Copper alloy Material PUR No. of poles 8 Width across flats SW13 Degree of protection (EN IEC 60529) IP66K, IP67 Side 2 Mounting method pluggable Family construction form RJ45 Cable outlet straight Material PUR No. of poles 8 Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 ECLASS-7.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307	Mounting method	screwed, pluggable
Cable outlet straight Coding X Material contact Copper alloy No. of poles 8 Width across flats SW13 Degree of protection (EN IEC 60529) IP66K, IP67 Side 2 Mounting method plugable Family construction form RJ45 Cable outlet straight Material PUR No. of poles 8 Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-1.1.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 25060307 ECLIASS-12.0 25060307 ECLIASS-12.0 25060307 ECLIASS-12.0 </td <td>Family construction form</td> <td>M12</td>	Family construction form	M12
Coding X Material contact Copper alloy Material PUR No. of poles 8 Width across flats SW13 Degree of protection (EN IEC 60529) IP66K, IP67 Side 2 Mounting method pluggable Family construction form RJ45 Cable outlet straight Material PUR No. of poles 8 Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-9.1.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307	Thread	M12 x 1
Material contact Copper alloy Material PUR No. of poles 8 Width across flats SW13 Degree of protection (EN IEC 60529) IP66K, IP67 Side 2 Mounting method pluggable Family construction form RJ45 Cable outlet straight Material PUR No. of poles 8 Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307	Cable outlet	straight
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Width across flats SW13 Degree of protection (EN IEC 60529) IP66K, IP67 Side 2 Wounting method pluggable Family construction form RJ45 Cable outlet straight Material PUR No. of poles 8 Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-11.1 27060307 ECLASS-11.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307	Material	PUR
Degree of protection (EN IEC 60529) IP66K, IP67 Side 2 Mounting method pluggable Family construction form RJ45 Cable outlet straight Material PUR No. of poles 8 Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-10.1 27060307 ECLASS-10.2 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 EXTIMATION 27060307 ECLASS-10.2 27060307 EXTIMATION 27060307 EXTIMATION 27060307	No. of poles	8
Side 2 Mounting method pluggable Family construction form RJ45 Cable outlet straight Material PUR No. of poles 8 Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-1.1 27060307 ECLASS-11.1 27060307 ECLASS-11.2 27060307 ECLASS-11.3 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 EXTIM-5.0 EC002599 customs tariff number 85444290	Width across flats	SW13
Mounting method pluggable Family construction form RJ45 Cable outlet straight Material PUR No. of poles 8 Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-12.0 85444290	Degree of protection (EN IEC 60529)	IP66K, IP67
Family construction form RJ45 Cable outlet straight Material PUR No. of poles 8 Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-11.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290	Side 2	
Cable outlet straight Material PUR No. of poles 8 Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-12.0 28060307 ECLASS-12.0 28060307 ECLASS-12.0 28060307 EXIM-5.0 EXIMATED REPORT SATE OF THE PROPERTY OF THE	Mounting method	pluggable
Material PUR No. of poles 8 Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECIM-S	Family construction form	RJ45
No. of poles 8 Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECIASS-12.0 27060307 ECIM-5.0 EC002599 customs tariff number 85444290	Cable outlet	straight
Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290	Material	PUR
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ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290	ECLASS-8.0	27060307
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ETIM-5.0 EC002599 customs tariff number 85444290	ECLASS-11.1	27060307
customs tariff number 85444290	ECLASS-12.0	27060307
	ETIM-5.0	EC002599
GTIN 4065909067970	customs tariff number	85444290
	GTIN	4065909067970

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: 2024-06-26



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Packaging unit	1
Electrical data Supply	
Operating voltage DC max.	60 V
Operating voltage DC max. (UL-listed)	30 V
Current operating per contact max.	0,5 A
Industrial communication	
Transfer parameters	CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)
Data transmission rate max.	10 GBit/s
Diagnostics	
Status indication LED	no
Device protection Electrical	
Pollution Degree	3
Rated surge voltage	1 kV
Material group (IEC 60664-1)	I
Mechanical data	
Contour for corrugated hose	without
Mechanical data Material data	
Locking screw coating	Nickeled
Locking material	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
	inserted, Sciewed, Shaking protection
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
	depending on cable quality
Additional condition temperature range	copolitating on state quanty
Important installation notes	asponanty on saute quality
	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Important installation notes	
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
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Important installation notes Note on strain relief Note on bending radius Conformity	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.
Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable	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. DIN EN 61076-2-109 (M12)
Important installation notes Note on strain relief Note on bending radius Conformity Product standard	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.
Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable wire arrangement	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. DIN EN 61076-2-109 (M12) (white, orange), (white, blue), (white, brown), (white, green)
Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable wire arrangement Cable identification	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. DIN EN 61076-2-109 (M12) (white, orange), (white, blue), (white, brown), (white, green)
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Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable wire arrangement Cable identification Jacket Color Type of Certificate	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. DIN EN 61076-2-109 (M12) (white, orange), (white, blue), (white, brown), (white, green) 790 green cURus
Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable wire arrangement Cable identification Jacket Color Type of Certificate Amount stranding	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. DIN EN 61076-2-109 (M12) (white, orange), (white, blue), (white, brown), (white, green) 790 green cURus
Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable wire arrangement Cable identification Jacket Color Type of Certificate Amount stranding Stranding	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. DIN EN 61076-2-109 (M12) (white, orange), (white, blue), (white, brown), (white, green) 790 green cURus 4 2 wires twisted
Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable wire arrangement Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type)	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. DIN EN 61076-2-109 (M12) (white, orange), (white, blue), (white, brown), (white, green) 790 green cURus 4 2 wires twisted 1 4 Stranded joints twisted copper braid, tinned
Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable wire arrangement Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (coverage)	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. DIN EN 61076-2-109 (M12) (white, orange), (white, blue), (white, brown), (white, green) 790 green cURus 4 2 wires twisted 1 4 Stranded joints twisted copper braid, tinned 65 %
Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable wire arrangement Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding	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. DIN EN 61076-2-109 (M12) (white, orange), (white, blue), (white, brown), (white, green) 790 green cURus 4 2 wires twisted 1 4 Stranded joints twisted copper braid, tinned 65 % Foil
Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable wire arrangement Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding wire arrangement	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. DIN EN 61076-2-109 (M12) (white, orange), (white, blue), (white, brown), (white, green) 790 green cURus 4 2 wires twisted 1 4 Stranded joints twisted copper braid, tinned 65 % Foil (white, orange), (white, blue), (white, brown), (white, green)
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Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable wire arrangement Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding wire arrangement Cable weigth Material jacket	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. DIN EN 61076-2-109 (M12) (white, orange), (white, blue), (white, brown), (white, green) 790 green cURus 4 2 wires twisted 1 4 Stranded joints twisted copper braid, tinned 65 % Foil (white, orange), (white, blue), (white, brown), (white, green) 52,8 g/m PUR
Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable wire arrangement Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding wire arrangement Cable weigth Material jacket Shore hardness jacket	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. DIN EN 61076-2-109 (M12) (white, orange), (white, blue), (white, brown), (white, green) 790 green cURus 4 2 wires twisted 1 4 Stranded joints twisted copper braid, tinned 65 % Foil (white, orange), (white, blue), (white, brown), (white, green) 52,8 g/m PUR 89 Shore A
Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable wire arrangement Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	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. DIN EN 61076-2-109 (M12) (white, orange), (white, blue), (white, brown), (white, green) 790 green cURus 4 2 wires twisted 1 4 Stranded joints twisted copper braid, tinned 65 % Foil (white, orange), (white, blue), (white, brown), (white, green) 52,8 g/m PUR 89 Shore A lead-free, CFC-free, halogen-free
Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable wire arrangement Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding wire arrangement Cable weigth Material jacket Shore hardness jacket	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. DIN EN 61076-2-109 (M12) (white, orange), (white, blue), (white, brown), (white, green) 790 green cURus 4 2 wires twisted 1 4 Stranded joints twisted copper braid, tinned 65 % Foil (white, orange), (white, blue), (white, brown), (white, green) 52,8 g/m PUR 89 Shore A



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Material wire insulation	PE
Amount wires	8
Outer diameter insulation	1,05 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	65 Shore D
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire)	7
Diameter of single wires	26 AWG
Conductor crosssection (wire)	26 AWG
Material conductor wire	Stranded copper wire, bare
Nominal voltage AC max.	125 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	2 A
Electrical resistance line constant wire	140 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Electrical capacity line constant (wire - wire)	44000 pF/km
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	2 kV @ 60 s
Isolation resistance	5000 MΩ × km
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °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	Good, application-related testing DIN EN 60811-404
Bending radius (fixed)	8 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter