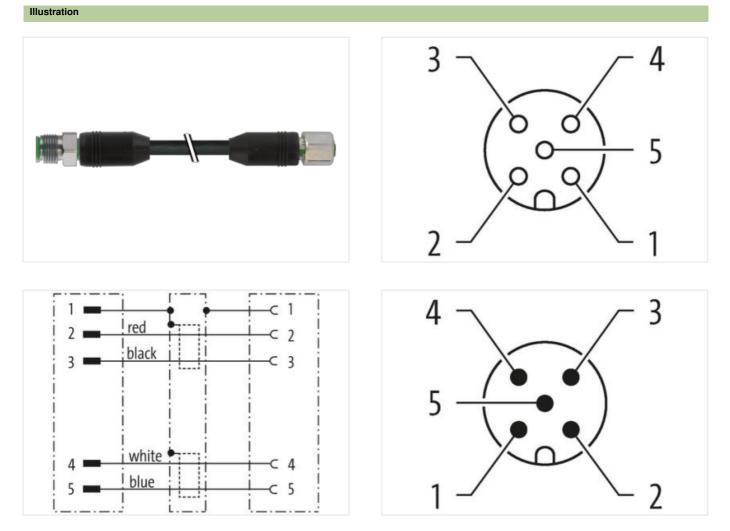


## M12 male 0° / M12 female 0° A-cod. V4A

PUR AWG24+22 shielded bk UL/CSA+drag ch. 0.3m

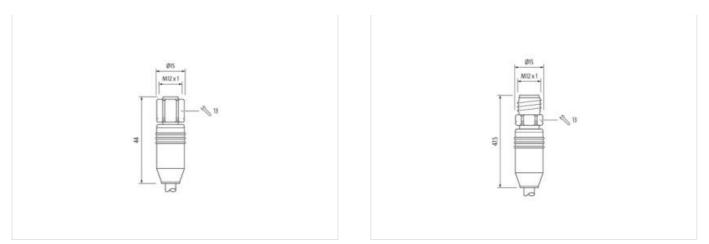
M12 – M12, 5-pole Male straight – female straight A-coded Stainless steel 1.4404 (V4A) Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product



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Product may differ from Image



Thread         M12 x 1           Coding         A           Material contact         Copper alloy           No. of poles         5           Commercial data         27279218           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879485449	Cable length	0,3 m
Mounting method         inserted, screwed           Coaling contact         gold plated           Family construction form         M12           Thread         M12 x 1           Coding         A           Material contact         Copper alloy           No. of poles         5           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP67           Side 2            Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Coaling contact         gold plated           Family construction form         M12 x 1           Coding A         M12 x 1           Coding A         M12 x 1           Coding A         Material contact           Coper alloy         A           Material contact         Coper alloy           No. of poles         5           Colang         A           Material contact         Coper alloy           No. of poles         5           Colang         A           Material contact         Coper alloy           No. of poles         5           Colanget Loget Colang         2727218	Side 1	
Coaling contact         gold plated           Family construction form         M12           Thread         M12 x 1           Coding         A           Material contact         Copper alloy           No. of poles         5           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP67           Side 2	Tightening torque	0,6 Nm
Family construction form         M12           Thread         M12 x 1           Coding         A           Material contact         Copper alloy           No. of poles         5           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP67           Side 2	Mounting method	inserted, screwed
Thread         M12 x 1           Coding         A           Material contact         Copper alloy           No. of poles         5           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP67           Side 2	Coating contact	gold plated
Coding         A           Material contact         Copper alloy           No. of poles         5           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP67           Side 2         IP65, IP67           Side 2         Ip61, IP65, IP67           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1           Coding         A           Material contact         Copper alloy           No. of poles         5           Commercial data         27279218           ECLASS-6.0         27279218           ECLASS-9.0         27060311           ECLASS-1.1         27060307           ECLASS-1.1         27060307           ECLASS-1.2         2706037	Family construction form	M12
Material contact         Copper alloy           No. of poles         5           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP67           Side 2	Thread	M12 x 1
No. of poles         5           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP67           Side 2         IP65, IP67           Side 2         Isterian structure           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1           Coding         A           Material contact         Copper alloy           No. of poles         5           Commercial data         27279218           ECLASS-6.0         27279218           ECLASS-8.0         27279218           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         EC001855           customs tariff number         8544290           GTIN         4048879485449	Coding	A
Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP67           Side 2         IP65, IP67           Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1           Coding         A           Material contact         Copper alloy           No. of poles         5           Commercial data         Zip29218           ECLASS-6.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         ECO01855           customs tariff number         8544290           GTIN         4048879485449	Material contact	Copper alloy
Degree of protection (EN IEC 60529)         IP65, IP67           Side 2         Ipflening torque         0.6 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1           Coding         A           Material contact         Copper alloy           No. of poles         5           Commercial data         27279218           ECLASS-6.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27060307           ECLASS-1.1         27060307           ECLASS-1.2.0         27060307           ETML-S.0         EC001855           Guotings tariff number         85444290           GTIN         40488748449		
Side 2Tightening torque0,6 NmMounting methodinserted, screwedCoating contactgold platedFamily construction formM12ThreadM12 x 1CodingAMaterial contactCopper alloyNo. of poles5Commercial dataECLASS-6.027279218ECLASS-7.027279218ECLASS-8.027279218ECLASS-9.027060311ECLASS-10.127060307ECLASS-12.027060307ECLASS-12.027060307ETIM-5.0EC001855customs tariff number85444290GTIN4048879485449	Width across flats	SW13
Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1           Coding         A           Material contact         Copper alloy           No. of poles         5           Cottage         27279218           ECLASS-6.0         27279218           ECLASS-9.0         27279218           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         ECO01855           customs tariff number         85444290           GTIN         4048879485449	Degree of protection (EN IEC 60529)	IP65, IP67
Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1           Coding         A           Material contact         Copper alloy           No. of poles         5           Commercial data         27279218           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ETIM-5.0         ECON1855           customs tariff number         85444290           GTIN         4048879485449	Side 2	
Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1           Coding         A           Material contact         Copper alloy           No. of poles         5           Commercial data         27279218           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         ECO01855           customs tariff number         85444290           GTIN         4048879485449	Tightening torque	0,6 Nm
Family construction form         M12           Thread         M12 x 1           Coding         A           Material contact         Copper alloy           No. of poles         5           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         ECO01855           customs tariff number         85444290           GTIN         4048879485449	Mounting method	inserted, screwed
Thread         M12 x 1           Coding         A           Material contact         Copper alloy           No. of poles         5           Commercial data         27279218           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879485449	Coating contact	gold plated
Coding         A           Material contact         Copper alloy           No. of poles         5           Commercial data         27279218           ECLASS-6.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         ECO01855           customs tariff number         85444290           GTIN         4048879485449	Family construction form	M12
Material contact         Copper alloy           No. of poles         5           Commercial data         E           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879485449	Thread	M12 x 1
No. of poles         5           Commercial data         27279218           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879485449	Coding	A
Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879485449	Material contact	Copper alloy
ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879485449	No. of poles	5
ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879485449	Commercial data	
ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879485449	ECLASS-6.0	27279218
ECLASS-9.0         27060311           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879485449	ECLASS-7.0	27279218
ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879485449	ECLASS-8.0	27279218
ECLASS-11.1       27060307         ECLASS-12.0       27060307         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4048879485449	ECLASS-9.0	27060311
ECLASS-12.0         27060307           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879485449	ECLASS-10.1	27060307
ETIM-5.0         EC001855           customs tariff number         8544290           GTIN         4048879485449	ECLASS-11.1	27060307
customs tariff number         85444290           GTIN         4048879485449	ECLASS-12.0	27060307
GTIN 4048879485449	ETIM-5.0	EC001855
	customs tariff number	85444290
Packaging unit 1		4048879485449
	Packaging unit	1

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## Electrical data | Supply

Electrical data   Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	no
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I
Mechanical data	
Contour for corrugated hose	without
Mechanical data   Material data	
	FKM
Material gasket Material housing	PUR
8	
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
Additional condition temperature range	depending on cable quality
Conformity	
Conformity Product standard	depending on cable quality DIN EN 61076-2-101 (M12)
Conformity	
Conformity Product standard	
Conformity Product standard Installation   Cable	DIN EN 61076-2-101 (M12)
Conformity Product standard Installation   Cable Cable identification	DIN EN 61076-2-101 (M12) 838
Conformity Product standard Installation   Cable Cable identification Jacket Color	DIN EN 61076-2-101 (M12) 838 black
Conformity Product standard Installation   Cable Cable identification Jacket Color Type of Certificate	DIN EN 61076-2-101 (M12) 838 black cURus
Conformity Product standard Installation   Cable Cable identification Jacket Color Type of Certificate Amount stranding	DIN EN 61076-2-101 (M12) 838 black cURus 1
Conformity Product standard Installation   Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding	DIN EN 61076-2-101 (M12)         838         black         cURus         1         2 wires twisted
Conformity Product standard Installation   Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2)	DIN EN 61076-2-101 (M12)         838         black         cURus         1         2 wires twisted         1
Conformity Product standard Installation   Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2)	DIN EN 61076-2-101 (M12)         838         black         cURus         1         2 wires twisted         1         2 Stranded joints twisted
Conformity Product standard Installation   Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type)	DIN EN 61076-2-101 (M12)  838  black  cURus  1  2 wires twisted  1  2 Stranded joints twisted  copper braid, tinned
Conformity Product standard Installation   Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage)	DIN EN 61076-2-101 (M12)  838 black cURus 1 2 wires twisted 1 2 Stranded joints twisted copper braid, tinned 65 %
Conformity Product standard Installation   Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding	DIN EN 61076-2-101 (M12)  838 black cURus 1 2 wires twisted 1 2 Stranded joints twisted copper braid, tinned 65 % Foil
Conformity Product standard Installation   Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding Drain wire (cross-section)	DIN EN 61076-2-101 (M12)  838 black cURus 1 2 wires twisted 1 2 Stranded joints twisted copper braid, tinned 65 % Foil 22 AWG
Conformity Product standard Installation   Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding Drain wire (cross-section) wire arrangement	DIN EN 61076-2-101 (M12)  838  black  cURus  1  2 wires twisted  1  2 Stranded joints twisted  copper braid, tinned  65 %  Foil  22 AWG  (white, blue), (black, red)
ConformityProduct standardInstallation   CableCable identificationJacket ColorType of CertificateAmount strandingStrandingAmount stranding (type 2)Stranding (type 2)Cable shielding (type)Cable shielding (coverage)BandingDrain wire (cross-section)wire arrangementNo. of bending cycles (C-track)	DIN EN 61076-2-101 (M12)  838  black  cURus  1  2 wires twisted  1  2 Stranded joints twisted  copper braid, tinned  65 %  Foil  22 AWG  (white, blue), (black, red)  1 Mio.
ConformityProduct standardInstallation   CableCable identificationJacket ColorType of CertificateAmount strandingStrandingAmount stranding (type 2)Stranding (type 2)Cable shielding (type)Cable shielding (coverage)BandingDrain wire (cross-section)wire arrangementNo. of bending cycles (C-track)Cable weigth	DIN EN 61076-2-101 (M12)         838         black         cURus         1         2 wires twisted         1         2 Stranded joints twisted         copper braid, tinned         65 %         Foil         22 AWG         (white, blue), (black, red)         1 Mio.         63,12 g/m
ConformityProduct standardInstallation   CableCable identificationJacket ColorType of CertificateAmount strandingStrandingAmount stranding (type 2)Stranding (type 2)Cable shielding (type)Cable shielding (coverage)BandingDrain wire (cross-section)wire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacket	DIN EN 61076-2-101 (M12)         838         black         cURus         1         2 wires twisted         1         2 stranded joints twisted         copper braid, tinned         65 %         Foil         22 AWG         (white, blue), (black, red)         1 Mio.         63,12 g/m         PUR
Conformity Product standard Installation   Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding Drain wire (cross-section) wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket	DIN EN 61076-2-101 (M12)         838         black         cURus         1         2 wires twisted         1         2 Stranded joints twisted         copper braid, tinned         65 %         Foil         22 AWG         (white, blue), (black, red)         1 Mio.         63,12 g/m         PUR         90 ± 5 Shore A
ConformityProduct standardInstallation   CableCable identificationJacket ColorType of CertificateAmount strandingStrandingAmount stranding (type 2)Cable shielding (type)Cable shielding (coverage)BandingDrain wire (cross-section)wire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)	DIN EN 61076-2-101 (M12)         838         black         cURus         1         2 wires twisted         1         2 stranded joints twisted         copper braid, tinned         65 %         Foil         22 AWG         (white, blue), (black, red)         1 Mio.         63,12 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
ConformityProduct standardInstallation   CableCable identificationJacket ColorType of CertificateAmount strandingStrandingAmount stranding (type 2)Cable shielding (type 2)Cable shielding (coverage)BandingDrain wire (cross-section)wire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)	DIN EN 61076-2-101 (M12)         838         black         cURus         1         2 wires twisted         1         2 Stranded joints twisted         copper braid, tinned         65 %         Foil         22 AWG         (white, blue), (black, red)         1 Mio.         63,12 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         6,9 mm
ConformityProduct standardInstallation   CableCable identificationJacket ColorType of CertificateAmount strandingStrandingAmount stranding (type 2)Stranding (type 2)Cable shielding (type)Cable shielding (coverage)BandingDrain wire (cross-section)wire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)	DIN EN 61076-2-101 (M12)         838         black         cURus         1         2 wires twisted         1         2 Stranded joints twisted         copper braid, tinned         65 %         Foil         22 AWG         (white, blue), (black, red)         1 Mio.         63,12 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         6,9 mm         ± 5 %
ConformityProduct standardInstallation   CableCable identificationJacket ColorType of CertificateAmount strandingStrandingAmount stranding (type 2)Cable shielding (type)Cable shielding (coverage)BandingDrain wire (cross-section)wire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulation	DIN EN 61076-2-101 (M12)         838         black         cURus         1         2 wires twisted         1         2 Stranded joints twisted         copper braid, tinned         65 %         Foil         22 AWG         (white, blue), (black, red)         1 Mio.         63,12 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         6,9 mm         ± 5 %         PE

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Shore hardness wire insulation	64 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire)	19
Diameter of single wires	24 AWG
Conductor crosssection (wire)	24 AWG
Drain wire (cross-section)	22 AWG
Material conductor wire	copper stranded wire, tinned
Electrical function wire	Data
Material wire insulation (Data)	PE
Outer diameter wire insulation (Data)	1,5 mm
Tolerance outer diameter wire insulation (data)	± 53 %
Ingredient freeness wire insulation (Data)	lead-free, CFC-free, halogen-free
Amount wires (Data)	2
Amount strands wire (Data)	19
Diameter of single wires (Data)	22 AWG
Conductor crosssection wire (Data)	22 AWG
Material conductor wire (Data)	copper stranded wire, tinned
Electrical function wire (data)	Power
Traversing distance (C-track)	5 m
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Current load capacity min. Wire (Data)	6 A
Electrical function wire	Data
Electrical function wire (data)	Power
Characteristic impedance	120 Ω ± 10 % @ 1 MHz
Electrical resistance line constant wire	78 Ω/km
Electrical resistance coating wire (Data)	54 Ω/km
Nominal voltage power AC max.	300 V
Electric capacitance (power)	40000 pF/km
AC withstand voltage power (wire - shield)	2 kV @ 60 s
AC withstand voltage power (wire - wire)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	IEC 60332-2-2   UL 1581 § 1090   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 (installation)	x Outer diameter
Bending radius (fixed)	6 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 30 °/m
101011011011000	

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