

## M12 male 0° / M12 female 0° B-cod. shielded

PUR AWG24+22 shielded vt UL/CSA+drag ch. 7.5m

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

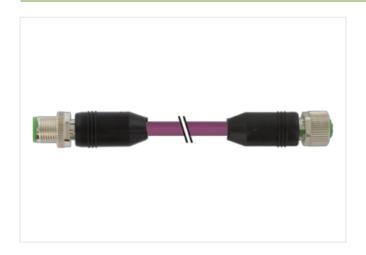
with cable sleeves

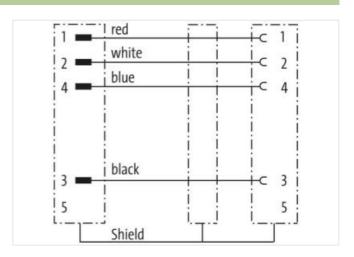
Plastic housings with good resistance against chemicals and oils.

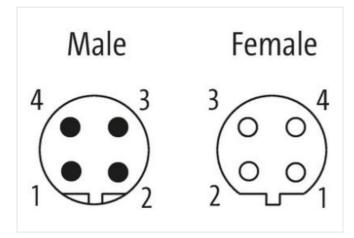
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

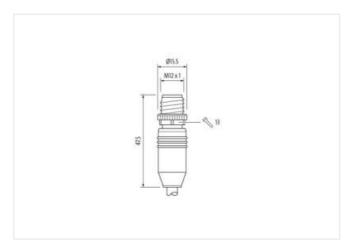
## **Link to Product**

## Illustration



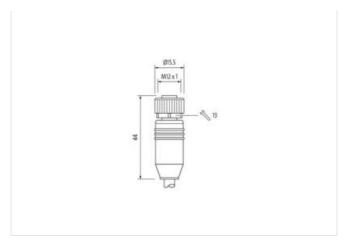








stay connected



Product may differ from Image





Cable length	7,5 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	В
Material	PUR
No. of poles	4
Width across flats	SW13
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	В
Material	PUR
No. of poles	4
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
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879296304
Packaging unit	1
Electrical data   Supply	



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Operating voltage AC max.	60 V
	COV
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	
Degree of protection (EN IEC 60529)	IP67
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	
Mechanical data	
	without
Contour for corrugated hose	without
Mechanical data   Material data	
Coating locking	Nickeled
Locking material	Zinc die-casting
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics   Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	
Cable identification	803
Jacket Color	violet
Type of Certificate	cURus
Amount stranding	1
Stranding	2 wires twisted
Amount stranding (type 2)	1
Stranding (type 2)	2 Stranded joints twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	65 %
Banding	Foil
Drain wire (cross-section)	22 AWG
wire arrangement	(white, blue), (black, red)
No. of bending cycles (C-track)	(winter, black, rea)
	1 Mio.
Cable weigth	
	1 Mio.
Cable weigth	1 Mio. 63,12 g/m
Cable weigth  Material jacket	1 Mio. 63,12 g/m PUR
Cable weigth  Material jacket  Shore hardness jacket	1 Mio. 63,12 g/m PUR 90 ± 5 Shore A
Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)	1 Mio. 63,12 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)	1 Mio.  63,12 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  6,9 mm
Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)	1 Mio.  63,12 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free 6,9 mm  ± 5 %
Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation	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



Ingordient freeness wire insulation  Amount strands (wire)  19  Diameter of single wires  24 AWG  Conductor crosssection (wire)  22 AWG  Material conductor wire  Opper stranded wire, tinned  Electrical function wire  Data  Material conductor wire insulation (Data)  Tolerance outer diameter wire insulation (Data)  PE  Outer diameter wire insulation (Data)  Tolerance outer diameter wire insulation (Data)  Amount wires (Data)  Amount strands wire (Data)  Data  Amount wires (Data)  Data  Amount wires (Data)  Data  Amount strands wire (Data)  Data  Amount wires (Data)  Data  Data  Conductor crosssection wire (Data)  Data	Shore hardness wire insulation	64 ± 5 Shore D
Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Data vire (cross-section) 22 AWG Material conductor wire copper stranded wire, tinned Electrical function wire Data Material vire insulation (Data) PE Outer diameter wire insulation (Data) 1,5 mm Tolerance outer diameter wire insulation (Data) 1,5 mm Ingredient freeness wire insulation (Data) 1,5 mm Tolerance outer diameter wire insulation (Data) 1,5 mm Tolerance (Data) 2,2 mm Tolerance (Data) 1,9 mm Tolerance (Data) 2,2 mm Tolerance (Data) 2,2 mm Tolerance (Data) 2,2 mm Tolerance (Critack) 2,2 mm Tolerance (Critack) 3,5 mm Tolerance (Critack) 5,5 mm Toleranc	Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Conductor crossection (wire) 24 AWG Drain wire (cross-section) 22 AWG Material conductor wire copper stranded wire, tinned Electrical function wire Data Material conductor wire insulation (Data) PE Outer diameter wire insulation (Data) 1.5 mm Tolerance outer diameter wire insulation (Data) 53 % Ingredient freeness wire insulation (Data) 1.5 mm Tolerance outer diameter wire insulation (Data) 1.5 mm Tolerance of single wires (Data) 2.2 AWG Conductor orsesection wire (Data) 2.2 AWG Conductor orsesection wire (Data) 2.2 AWG Conductor orsesection wire (Data) 2.2 AWG Electrical function wire (data) 2.2 AWG Current load capacity (standard) 1.0 DIN VDE 0298-4 Current load capacity min. wire 4.5 A Current load capacity min. wire 4.5 A Current load capacity min. wire (Data) 6 A Electrical function wire (data) Power Characteristic impedance 120 Ω ± 10 % @ 1 MHz Electrical function wire (data) Power Characteristic impedance 120 Ω ± 10 % @ 1 MHz Electrical resistance coating wire (Data) 5 4 Ωkm Nominal voltage power (wire - shield) 2 kW @ 60 s AC withstand voltage power (wire - shield) 2 kW @ 60 s AC withstand voltage power (wire - wire) 2 kW @ 60 s AC withstand voltage power (wire - wire) 2 kW @ 60 s AC withstand voltage power (wire - wire) 3.0 °C Operating temperature (fixed) 80 °C Operating temperature (f	Amount strands (wire)	19
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)         183 %           Ingredient freeness wire insulation (Data)         lead-free, CFC-free, halogen-free           Amount strands wire (Data)         2           Amount strands wire (Data)         19           Diameter of single wires (Data)         22 AWG           Conductor crosssection wire (Data)         22 AWG           Material conductor wire (Data)         22 AWG           Material conductor wire (Data)         20 power stranded wire, finned           Electrical function wire (data)         Power           Traversing distance (C-track)         5 m           Current load capacity min. wire         4,5 A           Current load capacity min. wire         4,5 A           Current load capacity min. wire         Data           Electrical function wire (data)         Power           Characteristic impedance         120 Ω ± 10 % @ 1 MHz           Electrical resistance coaling wire (Data)         54 Ω/km           Nominal voitage power	Diameter of single wires	24 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) 2 53 % Ingredient freeness wire insulation (Data) 1 8-64-free, CFC-free, halogen-free Amount wires (Data) 2 2 Amount strands wire (Data) 19 Diameter of single wires (Data) 22 AWG Conductor crosssection wire (Data) 22 AWG Conductor crosssection wire (Data) 22 AWG Material conductor wire (Data) 29 Electrical function wire (Data) 5 m Traversing distance (C-frack) 5 m Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. Wire (Data) 6 A Electrical function wire (Data) 6 A Electrical function wire (Data) 78 cWm Electrical function wire (Data) 6 A Electrical function wire (Data) 6 A Electrical function wire (Data) 6 A Electrical function wire (Data) 78 cWm Electrical function wire (Data) 6 A Electrical function wire (Data) 6 A Electrical function wire (Data) 78 cWm Electrical function wire (Data) 78 cWm Electrical function wire (Data) 78 cWm Electrical resistance line constant wire 78 cWm Electrical resistance locating wire (Data) 54 cWm Nominal voltage power AC max. 300 V Electric capacitance (power) 40000 pF/km AC withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) 40 °C Operating temperature mix. (dynamic) 70 °C Flame resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance	Conductor crosssection (wire)	24 AWG
Electrical function wire Data  Material wire insulation (Data) PE  Outer diameter wire insulation (Data) 1,5 mm  Tolerance outer diameter wire insulation (Data) 2,5 %  Ingredient freeness wire insulation (Data) 1,5 mm  Tolerance outer diameter wire insulation (Data) 1,5 mm  Diameter of single wires (Data) 2,2 kWG  Amount strands wire (Data) 1,9  Diameter of single wires (Data) 2,2 kWG  Material conductor wire (Data) 2,2 kWG  Material conductor wire (Data) 2,2 kWG  Material conductor wire (Data) 2,4 kWG  Material conductor wire (Data) 2,4 kWG  Traversing distance (C-track) 5 m  Traversing distance (C-track) 5 m  Turent load capacity min. Wire (Data) 6 A  Electrical function wire (Bata) 6 A  Electrical function wire (Bata) 9,0 kWere 10,0	Drain wire (cross-section)	22 AWG
Meterial wire insulation (Data) PE Outer diameter wire insulation (Data) 1.5 mm Tolerance outer diameter wire insulation (Data) 1.5 mm Tolerance outer diameter wire insulation (Data) 1.6 mm Ingredient freeness wire insulation (Data) 19 Amount strands wire (Data) 19 Diameter of single wires (Data) 22 AWG Conductor crosssection wire (Data) 22 AWG Material conductor wire (Data) 22 AWG Meterial conductor wire (Data) 22 AWG Meterial conductor wire (Data) 22 AWG Meterial conductor wire (Data) 25 AWG Current load capacity (standard) 10 DIN VDE 0298-4 Current load capacity (standard) 10 DIN VDE 0298-4 Current load capacity wini. wire 4.5 A Electrical function wire (Data) 6 A Electrical function wire (Data) 6 A Electrical function wire (Data) 75 AWR Characteristic impedance 120 \Omega 10 \infty \infty 1 MHz Electrical resistance line constant wire 78 Owm Electrical resistance coating wire (Data) 54 Owm Nominal voltage power (Wire - shield) 2 kV \infty 60 s AC withstand voltage power (wire - shield) 2 kV \infty 60 s AC withstand voltage power (wire - shield) 2 kV \infty 60 s Min. operating temperature (static) 40 \infty 10 C Mex. operating temperature (static) 40 \infty 10 C Mex. operating temperature wire (fixed) 80 \infty 10 C Operating temperature max. (dynamic) 70 \infty 10 C Filam resistance Good, application-related testing Oil resistance DIN EN 60811-404   Good, application-related testing Oil resistance DIN EN 60811-404   Good, application-related testing	Material conductor wire	copper stranded wire, tinned
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 strands wire (Data)         2           Amount strands wire (Data)         19           Diameter of single wires (Data)         22 AWG           Conductor crossection 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 (Data)         6 A           Electrical function wire (data)         Power           Characteristic impedance         120 Ω ± 10 % @ 1 MHz           Electrical resistance line constant wire         78 Ω/km           Electrical resistance coining wire (Data)         54 Ω/km           Nominal voltage power AC max.         300 V           Electrical resistance (power)         40000 pF/km           AC withstand voltage power (wire - wire)         2 kV @ 60 s           AC withstand voltage power (wire - wire)         2 kV @ 60 s           Min. operating temperature (fixed)         8	Electrical function wire	Data
Tolerance outer diameter wire insulation (data) ± 53 % Ingredient freeness wire insulation (Data) lead-free, CFC-free, halogen-free Amount wires (Data) 2 Amount wires (Data) 19 Diameter of single wires (Data) 22 AWG Conductor crosssection wire (Data) 22 AWG Material conductor 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 (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) Power Electrical function wire (data) Power Characteristic impedance 120 0± 10 % @ 1 MHz Electrical resistance line constant wire 78 Ω/km Electrical resistance losonamy wire (Data) 54 Ω/km Nominal voltage power AC max. 300 V Electric capacitance (power) 40000 pF/km AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature min. (dynamic) 70 °C Flame resistance Good, application-related testing Oil resistance DIN EN 60811-404   Good, application-related testing Oil resistance DIN EN 60811-404   Good, application-related testing Oil resistance	Material wire insulation (Data)	PE
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) 22 AWG Material conductor wire (Data) 22 AWG Conductor crosssection wire (Data) 22 AWG Material conductor wire (Data) 22 AWG Conductor wire (Data) 22 AWG Material conductor wire (Data) 22 AWG Corrent load capacity (standard) 45 M Current load capacity (standard) 5 M Current load capacity min. wire 4,5 A Current load capacity min. wire (Data) 6 A Electrical function wire (data) Power Electrical function wire (data) Power Characteristic impedance 120 Ω ± 10 % @ 1 MHz Electrical resistance lone 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 (static) 40 ° C Max. operating temperature max. (dynamic) 70 ° C Flame resistance Good, application-related testing Oil resistance DIN EN 60811-404   Good, application-related testing	Outer diameter wire insulation (Data)	1,5 mm
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) 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 (Data) 6 A Electrical function wire Data Electrical function wire (Data) 6 A Electrical function wire (Data) 7 mover (Data) 7 mover (Data) 8 mover (Data) 9 move	Tolerance outer diameter wire insulation (data)	± 53 %
Amount strands wire (Data)  Diameter of single wires (Data)  22 AWG  Conductor crosssection wire (Data)  22 AWG  Material conductor wire (Data)  Electrical function wire (data)  Power  Traversing distance (C-track)  5 m  Current load capacity (standard)  Current load capacity gisandard)  Current load capacity min. wire  4,5 A  Electrical function wire (data)  Power  Electrical function wire  Data  Electrical function wire  Electrical function wire  (data)  Power  Characteristic impedance  12 Ω ± 10 % @ 1 MHz  Electrical resistance line constant wire  Electrical resistance long wire (Data)  Solv Mm  Nominal voltage power AC max.  300 V  Electric capacitance (power)  40000 pF/km  AC withstand voltage power (wire - shield)  AC withstand voltage power (wire - wire)  AC withstand voltage power (wire - wire)  Min. operating temperature (static)  -40 °C  Max. operating temperature min. (dynamic)  Operating temperature max. (dynamic)  70 °C  Flame resistance  Good, application-related testing  Gasoline resistance  DIN EN 60811-404   Good, application-related testing  Oil resistance  DIN EN 60811-404   Good, application-related testing	Ingredient freeness wire insulation (Data)	lead-free, CFC-free, halogen-free
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) Power Characteristic impedance 120 Ω ± 10 % @ 1 MHz Electrical resistance line constant wire 78 Ω/km Nominal voltage power AC max. 300 V Electrica apsacitance (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 (Istadic) 40 °C Max. operating temperature (Istadic) 30 °C Operating temperature min. (dynamic) 70 °C Flame resistance Good, application-related testing Oil resistance DIN EN 60811-404   Good, application-related testing Oil resistance asserts and a comparative fixed on application-related testing Oil resistance DIN EN 60811-404   Good, application-related testing	Amount wires (Data)	2
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 0 ± 10 % @ 1 MHz         Electrical resistance line constant wire       78 Ω/km         Nominal voltage power AC max.       300 V         Electrica 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 min. (dynamic)       70 °C         Flame resistance       UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090         Chemical resistance       Good, application-related testing         Oil resistance       DIN EN	Amount strands wire (Data)	19
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         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 min. (dynamic)       70 °C         Flame resistance       UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090         chemical resistance       Good, application-related testing         Oil resistance       DIN EN 60811-404   Good, application-related testing	Diameter of single wires (Data)	22 AWG
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) 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 max. (dynamic) 70 °C  Flame resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing  Oil resistance  DIN EN 60811-404   Good, application-related testing	Conductor crosssection wire (Data)	22 AWG
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 (fixed) 80 °C  Operating temperature (fixed) 80 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing  DIN EN 60811-404   Good, application-related testing	Material conductor wire (Data)	copper stranded wire, tinned
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)       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         Flame resistance       UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090         chemical resistance       Good, application-related testing         Oil resistance       DIN EN 60811-404   Good, application-related testing	Electrical function wire (data)	Power
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         Flame resistance       UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090         chemical resistance       Good, application-related testing         Oil resistance       DIN EN 60811-404   Good, application-related testing	Traversing distance (C-track)	5 m
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)       70 °C         Flame resistance       UL 1581 § 1100 FT2   IEC 60332-2-2   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	Current load capacity (standard)	to DIN VDE 0298-4
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  Flame resistance UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  chemical resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing  Oil resistance DIN EN 60811-404   Good, application-related testing	Current load capacity min. wire	4,5 A
Electrical function wire (data) Power  Characteristic impedance $120 \Omega \pm 10 \% @ 1  \text{MHz}$ Electrical resistance line constant wire $78  \Omega / \text{km}$ Electrical resistance coating wire (Data) $54  \Omega / \text{km}$ Nominal voltage power AC max. $300  \text{V}$ Electric capacitance (power) $40000  \text{pF/km}$ AC withstand voltage power (wire - shield) $2  \text{kV} @ 60  \text{s}$ AC withstand voltage power (wire - wire) $2  \text{kV} @ 60  \text{s}$ Min. operating temperature (static) $-40  ^{\circ}\text{C}$ Max. operating temperature (fixed) $80  ^{\circ}\text{C}$ Operating temperature min. (dynamic) $-30  ^{\circ}\text{C}$ Operating temperature max. (dynamic) $70  ^{\circ}\text{C}$ Flame resistance $UL  1581  \S  1100  \text{FT2}      \text{IEC}  60332 - 2 - 2                    $	Current load capacity min. Wire (Data)	6 A
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         Flame resistance       UL 1581 § 1100 FT2   IEC 60332-2-2   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	Electrical function wire	Data
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  Flame resistance UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  chemical resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing	Electrical function wire (data)	Power
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  Flame resistance UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090 chemical resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing	Characteristic impedance	120 Ω ± 10 % @ 1 MHz
Nominal voltage power AC max.  Solv  Electric capacitance (power)  AC withstand voltage power (wire - shield)  AC withstand voltage power (wire - wire)  AC withstand voltage power (wire - shield)  AC withstand volt	Electrical resistance line constant wire	78 Ω/km
Electric capacitance (power)  AC withstand voltage power (wire - shield)  AC withstand voltage power (wire - wire)  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  Flame resistance  UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  chemical resistance  Good, application-related testing  Gasoline resistance  DIN EN 60811-404   Good, application-related testing	Electrical resistance coating wire (Data)	54 Ω/km
AC withstand voltage power (wire - shield)  AC withstand voltage power (wire - wire)  AC withstand voltage power (wire - shield)  AC withstand voltage power (wire - wire)  AC w	Nominal voltage power AC max.	300 V
AC withstand voltage power (wire - wire)  AC withstand voltage power (wire - wire)  Min. operating temperature (static)  Ava. operating temperature (fixed)  Operating temperature min. (dynamic)  -30 °C  Operating temperature max. (dynamic)  To °C  Flame resistance  UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  Chemical resistance  Good, application-related testing  Gasoline resistance  Oil resistance  DIN EN 60811-404   Good, application-related testing	Electric capacitance (power)	40000 pF/km
Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  To °C  Flame resistance  UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  chemical resistance  Good, application-related testing  Gasoline resistance  Oil resistance  DIN EN 60811-404   Good, application-related testing	AC withstand voltage power (wire - shield)	2 kV @ 60 s
Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -30 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance UL 1581 § 1100 FT2   IEC 60332-2-2   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	AC withstand voltage power (wire - wire)	2 kV @ 60 s
Operating temperature min. (dynamic)  -30 °C  Operating temperature max. (dynamic)  70 °C  Flame resistance  UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  chemical resistance  Good, application-related testing  Gasoline resistance  Oil resistance  DIN EN 60811-404   Good, application-related testing	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 70 °C  Flame resistance UL 1581 § 1100 FT2   IEC 60332-2-2   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	Max. operating temperature (fixed)	00 °C
Flame resistance  UL 1581 § 1100 FT2   IEC 60332-2-2   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	Operating temperature min. (dynamic)	-30 °C
chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Oil resistance     DIN EN 60811-404   Good, application-related testing	Operating temperature max. (dynamic)	70 °C
Gasoline resistance Good, application-related testing  Oil resistance DIN EN 60811-404   Good, application-related testing	Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
Oil resistance DIN EN 60811-404   Good, application-related testing	chemical resistance	Good, application-related testing
	Gasoline resistance	Good, application-related testing
Bending radius (installation) x Outer diameter	Oil resistance	DIN EN 60811-404   Good, application-related testing
	Bending radius (installation)	
Bending radius (fixed) 6 x Outer diameter	Bending radius (fixed)	6 x Outer diameter
Bending radius (dynamic) 10 x Outer diameter		10 x Outer diameter
No. of torsion cycles 2 Mio.	No. of torsion cycles	2 Mio.
Torsion speed 35 cycles/min	Torsion speed	35 cycles/min
Torsion stress ± 30 °/m	Torsion stress	± 30 °/m