

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

PUR AWG20/26 shielded gn UL/CSA+drag ch. 1.5m

Ethernet CAT5
Male straight – female straight
M12 – M12, 8-pole
Y-coded
shielded

Transmission properties with channel transmission up to 50 m

Further cable lengths on request.

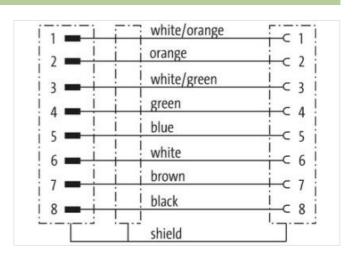
Plastic housings with good resistance against chemicals and oils.

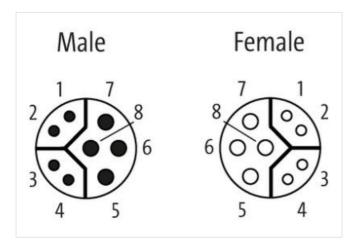
The resistance to aggressive media should be individually tested for your application. Further details on request.

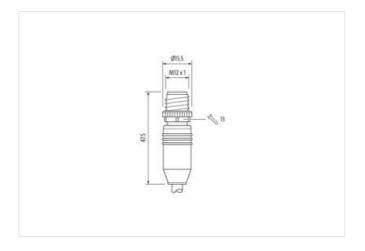
## **Link to Product**

## Illustration



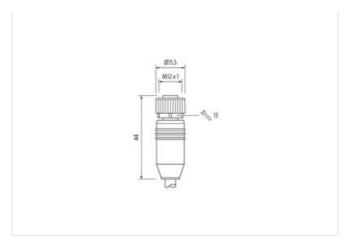








stay connected



Product may differ from Image



Cable length	1,5 m
Side 1	
Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
Coding	Υ
Material	PUR
Width across flats	SW13
Side 2	
Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
Coding	Υ
Material	PUR
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	4048879655606
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	50 V
Operating voltage DC max.	50 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V

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: 2024-05-20



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Operating current per data contact max.	0,5 A
Operating current per power contact max.	6 A
Industrial communication	
Transfer parameters	CAT5e, Class D (ISO/IEC 11801)
Data transmission rate max.	100 MBit/s
Industrial communication   Ethernet func	tionality
·	•
duplex	Full duplex
Device protection   Electrical	
Degree of protection (EN IEC 60529)	IP65, IP67, IP68, IP66K
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	l
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
	depending on easie 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.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Note on bending radius	endangered by excessive bending forces.
Installation   Cable	
wire arrangement	black, brown, white, blue, (orange-white, green, orange, green-white)
0 11 11 25 2	005
Cable identification	805
	green
Cable Identification  Jacket Color  Type of Certificate	
Jacket Color Type of Certificate	green
Jacket Color Type of Certificate Amount stranding	green cURus
Jacket Color Type of Certificate Amount stranding Stranding	green cURus 1
Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2)	green cURus 1 4 wires around 1 Filler twisted
Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2)	green cURus 1 4 wires around 1 Filler twisted 1
Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type)	green cURus 1 4 wires around 1 Filler twisted 1 4 wires around Stranding combination with Filler twisted
Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage)	green cURus 1 4 wires around 1 Filler twisted 1 4 wires around Stranding combination with Filler twisted copper braid, tinned 85 %
Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Pair shielding (type)	green cURus  1 4 wires around 1 Filler twisted  1 4 wires around Stranding combination with Filler twisted copper braid, tinned  85 % copper braid, tinned
Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Pair shielding (type) Banding	green cURus  1 4 wires around 1 Filler twisted  1 4 wires around Stranding combination with Filler twisted copper braid, tinned  85 % copper braid, tinned Fleece, Foil
Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Pair shielding (type) Banding Filler	green cURus 1 4 wires around 1 Filler twisted 1 4 wires around Stranding combination with Filler twisted copper braid, tinned 85 % copper braid, tinned Fleece, Foil yes
Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Pair shielding (type) Banding Filler wire arrangement	green  cURus  1  4 wires around 1 Filler twisted  1  4 wires around Stranding combination with Filler twisted  copper braid, tinned  85 %  copper braid, tinned  Fleece, Foil  yes  black, brown, white, blue, (orange-white, green, orange, green-white)
Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Pair shielding (type) Banding Filler wire arrangement Cable weigth	green cURus  1 4 wires around 1 Filler twisted  1 4 wires around Stranding combination with Filler twisted copper braid, tinned  85 % copper braid, tinned Fleece, Foil yes black, brown, white, blue, (orange-white, green, orange, green-white)  107,8 g/m
Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Pair shielding (type) Banding Filler wire arrangement Cable weigth Material jacket	green cURus  1 4 wires around 1 Filler twisted  1 4 wires around Stranding combination with Filler twisted copper braid, tinned  85 %  copper braid, tinned Fleece, Foil yes black, brown, white, blue, (orange-white, green, orange, green-white)  107,8 g/m  PUR
Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Pair shielding (type) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket	green  cURus  1  4 wires around 1 Filler twisted  1  4 wires around Stranding combination with Filler twisted  copper braid, tinned  85 %  copper braid, tinned  Fleece, Foil  yes  black, brown, white, blue, (orange-white, green, orange, green-white)  107,8 g/m  PUR  90 ± 5 Shore A
Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Pair shielding (type) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	green  cURus  1  4 wires around 1 Filler twisted  1  4 wires around Stranding combination with Filler twisted  copper braid, tinned  85 %  copper braid, tinned  Fleece, Foil  yes  black, brown, white, blue, (orange-white, green, orange, green-white)  107,8 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Pair shielding (type) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	green  cURus  1  4 wires around 1 Filler twisted  1  4 wires around Stranding combination with Filler twisted  copper braid, tinned  85 %  copper braid, tinned  Fleece, Foil  yes  black, brown, white, blue, (orange-white, green, orange, green-white)  107,8 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  8,1 mm
Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Pair shielding (type) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	green cURus  1 4 wires around 1 Filler twisted  1 4 wires around Stranding combination with Filler twisted copper braid, tinned  85 %  copper braid, tinned Fleece, Foil yes black, brown, white, blue, (orange-white, green, orange, green-white) 107,8 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 8,1 mm ± 5 %
Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Pair shielding (type) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	green cURus  1 4 wires around 1 Filler twisted  1 4 wires around Stranding combination with Filler twisted copper braid, tinned  85 %  copper braid, tinned Fleece, Foil yes black, brown, white, blue, (orange-white, green, orange, green-white)  107,8 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 8,1 mm ± 5 % PP
Jacket Color	green cURus  1 4 wires around 1 Filler twisted  1 4 wires around Stranding combination with Filler twisted copper braid, tinned  85 %  copper braid, tinned Fleece, Foil yes black, brown, white, blue, (orange-white, green, orange, green-white) 107,8 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 8,1 mm ± 5 %



Amount strands (wire)  19  Olameter of single wires  20 AWG  Conductor crosscotion (wire)  Stranded copper wire, bare  Material conductor wire  Material conductor wire  Material conductor wire insulation (Data)  1,1 mm  Tolerance outer diameter wire insulation (Data)  1,1 mm  Tolerance outer diameter wire insulation (Data)  1,2 Sp. 5 Shore D  Ingredient freeness wire insulation (Data)  1,2 Sp. 5 Shore D  Ingredient freeness wire insulation (Data)  1,3 Sp. 5 Shore D  Ingredient freeness wire insulation (Data)  1,4  Annount strands wire (Data)  1,5 Sp. 5 Shore D  Ingredient freeness wire insulation (Data)  1,5 Sp. 5 Shore D  Ingredient freeness wire insulation (Data)  1,5 Sp. 5 Shore D  Ingredient freeness wire insulation (Data)  1,5 Sp. 5 Shore D  Ingredient freeness wire insulation (Data)  1,5 Sp. 5 Shore D  Ingredient freeness wire insulation (Data)  1,5 Sp. 5 Shore D  Ingredient freeness wire insulation (Data)  4  Annount strands wire (Data)  2,5 Shore D  Ingredient freeness wire insulation (Data)  4  Annount strands wire (Data)  2,5 Shore D  Ingredient freeness wire insulation (Data)  4  Annount strands wire (Data)  2,5 Shore D  Ingredient freeness wire insulation (Data)  4  Annount strands wire (Data)  3,5 Shore D  Ingredient freeness wire insulation (Pata)  4,5 Shore Conflict of Shore Conflict on the Confli	Shore hardness wire insulation	55 ± 5 Shore D
Diameter of single wires   20 AWG	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (write)         20 AWG           Material onductor wire         Stranded copper wire, bare           Material wire insulation (Data)         1,1 mm           Tolerance outer diameter wire insulation (Data)         1,1 mm           Tolerance outer diameter wire insulation (Data)         5 ± 5 Shore D           Ingredient freeness wire insulation (Data)         4 = 4 Management (Policy (Policy Amount wires (Data)         4 = 4 Management (Policy Amount wires (Data)           Amount wires (Data)         4         4 Management (Policy Amount wires (Data)         4 Percent (Policy Amount wires (Data)           Diameter of single wires (Data)         26 AWG         4 Percent (Data)         4 Percent (Data)           Mominal voltage AC max.         60 V         4 Percent (Data)         4 Percent (Data)         4 Percent (Data)           Mominal voltage AC max.         60 V         4 Percent (Data)	Amount strands (wire)	19
Material conductor wire         Stranded copper wire, bare           Material wire insulation (Data)         1,1 mm           Outer diameter wire insulation (Data)         1,1 mm           Tolerance outer diameter wire insulation (Data)         55.25 Shore D           Shore hardness wire insulation (Data)         155.25 Shore D           Impedient freeness wire insulation (Data)         156.25 Shore D           Amount wires (Data)         4           Amount strands wire (Data)         19           Diameter of single wires (Data)         26 AWG           Conductor crosssection wire (Data)         26 AWG           Material conductor wire (Data)         28 AWG           Material conductor wire (Data)         59.4 AWG           Current load capacity (standard)         10 DIN VDE 0298.4           Current load capacity (standard)         10 DIN VDE 0298.4           Current load capacity (standard)         10 DIN VDE 0298.4           Current load capacity (standard)         100 Ω ± 15 % Ø 1 MHz           Electrical resistance line constant (wire - wire)         100 Ω ± 15 % Ø 1 MHz           Electrical capacity line constant (wire - wire)         12 W 60 s           Electrical capacity line constant (wire - wire)         12 W 60 s           Electrical resistance value (wire - shield)         1 kV @ 60 s	Diameter of single wires	20 AWG
Material wire insulation (Data) PP  Outer diameter wire insulation (Data) 1,1 mm  Chelameter wire insulation (Data) 1,1 mm  Chelameter wire insulation (Data) 55 ± 5 Shore D  Ingredient freeness wire insulation (Data) 55 ± 5 Shore D  Ingredient freeness wire insulation (Data) 19  Diameter of single wires (Data) 19  Diameter of single wires (Data) 26 AWG  Conductor crosssection wire (Data) 26 AWG  Material conductor wire (Data) 26 AWG  Material conductor wire (Data) 51 Stranded copper wire, bare  Nominal voltage AC max. 60 V  Current load capacity (standard) 10 DIN VDE 0298-4  Current load capacity win. Wire (Data) 2 A A Commander of the comman	Conductor crosssection (wire)	20 AWG
Outer diameter wire insulation (Data)         1.1 mm           Tolerance outer diameter wire insulation (Data)         ± 5 % 5 brore D           Ingredient freeness wire insulation (Data)         5 ± 5 5 brore D           Ingredient freeness wire insulation (Data)         4           Amount wires (Data)         4           Amount wires (Data)         26 AWG           Diameter of single wires (Data)         26 AWG           Conductor crosssection wire (Data)         26 AWG           Material conductor wire (Data)         26 AWG           Nominal voltage AC max.         60 V           Current load capacity standard)         to DIN VDE 0298-4           Current load capacity min. Wire (Data)         2 A           Current load capacity min. Wire (Data)         2 A           Characteristic impedance         100 Ω ± 15 % @ 1 MHz           Cilectrical resistance caring wire (Data)         1 KV @ 80 s           Electrical resistance caring wire (Data)         1 kV @ 80 s           Electrical capacity ine constant (wire - wire)         1 kV @ 80 s           Electrical capacity wire visitand voltage (wire - wire)         1 kV @ 80 s           Soldion resistance         5000 MΩ           Min. operating temperature (Rixed)         80 °C / 90 °C @ 10000 h Operation           Power draguery winstand voltage (wire -	Material conductor wire	Stranded copper wire, bare
Tolerance outer diameter wire insulation (data) ± 5 %	Material wire insulation (Data)	PP
Shore hardness wire insulation (Data)         55 ± 5 Shore D           Ingredient freeness wire insulation (Data)         68-d-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount wires (Data)         4           Amount strands wire (Data)         19           Diameter of single wires (Data)         26 AWG           Conductor crosssection wire (Data)         Stranded copper wire, bare           Material conductor wire (Data)         Stranded copper wire, bare           Nominal voltage AC max         60 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min, wire         5,9 A           Current load capacity min, Wire (Data)         2 A           Characteristic impedance         100 Ω ± 15 % @ 1 MHz           Electrical resistance coating wire (Data)         140 Ω/km           AC withstand voltage (wire - wire)         52000 pF/km           Electrical resistance coating wire (Data)         1 kV @ 60 s           Electrical apacity line constant (wire - wire)         52000 pF/km           Power frequency withstand voltage (wire - shield)         1 kV @ 60 s           Isolation resistance         5000 MΩ           Min. operating temperature (static)         40 °C           Max. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation	Outer diameter wire insulation (Data)	1,1 mm
Ingredient freeness wire insulation (Data)   Ingredient freeness wire insulation (Data)   Ingredient freeness wire insulation (Data)   4	Tolerance outer diameter wire insulation (data)	±5%
Amount wires (Data)         4           Amount strands wire (Data)         19           Diameter of stiple wires (Data)         26 AWG           Conductor crosssection wire (Data)         26 AWG           Material conductor wire (Data)         Stranded copper wire, bare           Nominal voltage AC max.         60 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         5,9 A           Current load capacity min. Wire (Data)         2 A           Characteristic impedance         100 Ω±15 % @ 1 MHz           Electrical resistance line constant wire         35 Ω/km           Electrical resistance coating wire (Data)         140 Ω/km           AC withstand voltage (wire - wire)         1 kV @ 60 s           Electrical capacity line constant (wire - wire)         52000 pF/km           Power frequency withstand voltage (wire - shield)         1 kV @ 60 s           AC withstand voltage (wire - shield)         1 kV @ 60 s           Min. operating temperature (static)         -50 °C           Min. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature (mix. (dynamic)         -40 °C           Coperating temperature (mix. (dynamic)         -10 °C           Chemical resistance         Good, ap	Shore hardness wire insulation (Data)	55 ± 5 Shore D
Amount strands wire (Data) 19 Diameter of single wires (Data) 26 AWG Conductor crosssection wire (Data) 26 AWG Material conductor wire (Data) Stranded copper wire, bare Nominal voltage AC max. 60 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. Wire (Data) 2 A Characteristic impedance 100 Ω ± 15 % @ 1 MHz Electrical resistance coating wire (Data) 140 Ω/km AC withstand voltage (wire - wire) 1 kV @ 60 s Electrical capacity line constant (wire - wire) 52000 pF/km Power frequency withstand voltage (wire - shield) 1 kV @ 60 s Electrical resistance coating wire (Data) 1 kV @ 60 s Electrical resistance (wire - shield) 1 kV @ 60 s Electrical resistance (wire - shield) 1 kV @ 60 s Electrical resistance (wire - shield) 1 kV @ 60 s Electrical resistance (wire - shield) 1 kV @ 60 s Electrical resistance (wire - shield) 1 kV @ 60 s Electrical resistance (wire - shield) 1 kV @ 60 s Electrical resistance (wire - shield) 1 kV @ 60 s Electrical resistance (wire - shield) 1 kV @ 60 s Electrical resistance (wire - shield) 1 kV @ 60 s Electrical resistance (wire - shield) 1 kV @ 60 s Electrical resistance (wire - shield) 1 kV @ 60 s Electrical resistance (wire - shield) 1 kV @ 60 s Electrical resistance (wire - shield) 1 kV @ 60 s Electrical resistance (wire - shield) 1 kV @ 60 s Electrical resistance (wire - shield) 1 kV @ 60 s Electrical capacity line constant (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 2 kV @ 60 s Electrical capacity lin	Ingredient freeness wire insulation (Data)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Diameter of single wires (Data)         26 AWG           Conductor crosssection wire (Data)         26 AWG           Material conductor wire (Data)         Stranded copper wire, bare           Nominal voltage AC max.         60 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. Wire         5,9 A           Current load capacity min. Wire (Data)         2 A           Characteristic impedance         100 Ω ± 15 % @ 1 MHz           Electrical resistance coating wire (Data)         140 Ω/km           AC withstand voltage (wire - wire)         1 kV @ 60 s           Electrical resistance coating wire (Data)         1 kV @ 60 s           Electrical resistance vire wire)         1 kV @ 60 s           Electrical resistance vire wire)         1 kV @ 60 s           Electrical resistance vire wire)         1 kV @ 60 s           Ack withstand voltage (wire - shield)         1 kV @ 60 s           Isolation resistance         5000 MΩ           Min. operating temperature (static)         -50 °C           Max. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Polariting temperature min. (dynamic)         -40 °C           Operating temperature max. (dynamic)         60 °C / 90 °C @ 10000 h Operation           Polariting temperatur	Amount wires (Data)	4
Conductor crossection wire (Data)         26 AWG           Material conductor wire (Data)         Stranded copper wire, bare           Nominal voltage AC max.         60 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         5,9 A           Current load capacity min. Wire (Data)         2 A           Characteristic impedance         100 Ω ± 15 % @ 1 MHz           Electrical resistance line constant wire         35 Ω/km           Electrical resistance coating wire (Data)         14 V Ω/km           AC withstand voltage (wire - wire)         1 kV @ 60 s           Electrical capacity line constant (wire - wire)         52000 pF/km           Power frequency withstand voltage (wire - shield)         1 kV @ 60 s           AC withstand voltage (wire - shield)         1 kV @ 60 s           Solotation resistance         5000 MΩ           Min. operating temperature (static)         -50 °C           Max. operating temperature (ixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         40 °C           Operating temperature min. (dynamic)         80 °C / 90 °C @ 10000 h Operation           Flame resistance         UL 1581 § 1100 FT2 [1EC 60332-2-2   UL 1581 § 1900           chemical resistance         Good, application-related test	Amount strands wire (Data)	19
Material conductor wire (Data) Stranded copper wire, bare Nominal voltage AC max. 60 V   Current load capacity (standard) to DIN VDE 0298-4   Current load capacity min. Wire (Data) 2 A   Characteristic impedance 100 $\Omega \pm 15$ % $\odot$ 1 MHz   Electrical resistance Inc constant wire 35 $\Omega$ /km   Electrical resistance inc constant wire 35 $\Omega$ /km   Electrical resistance wire (Data) 140 $\Omega$ /km   AC withstand voltage (wire - wire) 1 kV $\odot$ 60 s   Electrical capacity line constant (wire - wire) 52000 pF/km   Power frequency withstand voltage (wire - shield) 1 kV $\odot$ 60 s   Electrical resistance South of the standard voltage (wire - shield) 1 kV $\odot$ 60 s   Max. operating temperature (static) 500 MΩ   Min. operating temperature (static) 500 VC $\odot$ 10000 h Operation   Coperating temperature min. (dynamic) 40 °C $\odot$ 10000 h Operation   Coperating temperature max. (dynamic) 80 °C / 90 °C $\odot$ 10000 h Operation   Elementical resistance UL 1581 \$ 1100 FT2   IEC 60032-2-2   UL 1581 \$ 1090   Chemical resistance Good, application-related testing   Gasoline resistance Good, application-related testing   Coli resistance Good, application-related testing   Bending radius (installation) x Outer diameter   Bending radius (gynamic) 10 x Outer diameter   Bending radius (fynamic) 5 m   Electrical capacity ime. 2 m   South of the standard of the standard set (standard) 5 m   Traversing distance (C-track) 3 ,3 m/s   No. of torsion cycles 2 Min.	Diameter of single wires (Data)	26 AWG
Nominal voltage AC max.         60 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. Wire (Data)         2 A           Characteristic impedance         100 Ω ± 15 % @ 1 MHz           Electrical resistance loc constant wire         35 Ω/km           Electrical resistance coating wire (Data)         140 Ω/km           AC withstand voltage (wire - wire)         1 kV @ 60 s           Electrical capacity line constant (wire - wire)         52000 pF/km           Power frequency withstand voltage (wire - shield)         1 kV @ 60 s           AC withstand voltage (wire - shield)         1 kV @ 60 s           solation resistance         5000 MΩ           Min. operating temperature (static)         -50 °C           Max. operating temperature (ifixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         -40 °C           Operating temperature max. (dynamic)         90 °C / 90 °C @ 10000 h Operation           Claresistance         UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090           chemical resistance         Good, application-related testing           Cli resistance         Good, application-related testing           Dil resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (fixed)	Conductor crosssection wire (Data)	26 AWG
Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 5,9 A  Current load capacity min. Wire (Data) 2 A  Current load capacity min. Wire (Data) 2 A  Current load capacity min. Wire (Data) 2 A  Current load capacity min. Wire (Data) 100 $\Omega \pm 15\% \otimes 1$ MHz  Electrical resistance line constant wire 35 $\Omega$ km  Electrical resistance coating wire (Data) 140 $\Omega$ km  AC withstand voltage (wire - wire) 1 kV $\otimes$ 60 s  Electrical capacity line constant (wire - wire) 52000 pF/km  Power frequency withstand voltage (wire - in kV $\otimes$ 60 s  Electrical capacity line constant (wire - wire) 1 kV $\otimes$ 60 s  Electrical capacity line constant (wire - wire) 5000 M/ $\Omega$ With stand voltage (wire - shield) 1 kV $\otimes$ 60 s  Solation resistance 5000 M/ $\Omega$ Min. operating temperature (static) -50 °C  Max. operating temperature (fixed) 80 °C / 90 °C $\otimes$ 10000 h Operation  Operating temperature min. (dynamic) -40 °C  Operating temperature max. (dynamic) 80 °C / 90 °C $\otimes$ 10000 h Operation  Filame resistance UL 1.581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Bending radius (installation) x Outer diameter  Bending radius (installation) x Outer diameter  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Bending radius (dynamic) 5 min.  Traver sing distance (C-track) 5 min.  Traver sing distance (C-track) 5 min.  Traver sing distance (C-track) 3.3 m/s  No. of torsion cycles 2 Min.  Torsion stress ± ±30 °/m	Material conductor wire (Data)	Stranded copper wire, bare
Current load capacity min. wire $5.9  \mathrm{A}$ Current load capacity min. Wire (Data) $2  \mathrm{A}$ Characteristic impedance $100  \Omega \pm 15  \%  \oplus 1  \mathrm{MHz}$ Electrical resistance line constant wire $35  \Omega / \mathrm{km}$ Electrical resistance coating wire (Data) $140  \Omega / \mathrm{km}$ AC withstand voltage (wire - wire) $1  \mathrm{kV}  \oplus 60  \mathrm{s}$ Electrical capacity line constant (wire - wire) $52000  \mathrm{pF} / \mathrm{km}$ Power frequency withstand voltage (wire - shield) $1  \mathrm{kV}  \oplus 60  \mathrm{s}$ Electrical resistance $5000  \mathrm{M}  \Omega$ AC withstand voltage (wire - shield) $1  \mathrm{kV}  \oplus 60  \mathrm{s}$ AC withstand voltage (wire - shield) $1  \mathrm{kV}  \oplus 60  \mathrm{s}$ Establation resistance $5000  \mathrm{M}  \Omega$ Min. operating temperature (static) $50  \mathrm{C}  \Omega$ Max. operating temperature (static) $50  \mathrm{C}  \Omega$ Max. operating temperature (fixed) $80  \mathrm{C}  /  90  \mathrm{C}  \Omega$ $10000  \mathrm{h}  \mathrm{Operatino}$ Operating temperature max. (dynamic) $80  \mathrm{C}  /  90  \mathrm{C}  \Omega$ $10000  \mathrm{h}  \mathrm{Operatino}$ Plame resistance $10  \mathrm{L}  1581  \mathrm{S}  1100  \mathrm{FT}  2     \mathrm{EC}  60332  -2  2      \mathrm{UL}  1581  \mathrm{S}  1090$ chemical resistance $10  \mathrm{Good}$ , application-related testing $10  \mathrm{Good}$ , application-related testing $10  \mathrm{E}  \mathrm{Good}$ , application-related testing $10  \mathrm{E}  \mathrm{Good}$ , application related testing $10  \mathrm{E}  \mathrm{Good}$ , application relate	Nominal voltage AC max.	60 V
Current load capacity min. Wire (Data) 2 A  Characteristic impedance $100 \Omega \pm 15 \% @ 1  \text{MHz}$ Electrical resistance line constant wire $35  \Omega \text{/km}$ Electrical resistance coating wire (Data) $140  \Omega \text{/km}$ AC withstand voltage (wire - wire) $1  \text{kV} @ 60  \text{s}$ Electrical capacity line constant (wire - wire) $52000  \text{pF/km}$ Power frequency withstand voltage (wire - acket) $1  \text{kV} @ 60  \text{s}$ AC withstand voltage (wire - shield) $1  \text{kV} @ 60  \text{s}$ Act withstand voltage (wire - shield) $1  \text{kV} @ 60  \text{s}$ As with a perature (static) $1  \text{kV} @ 60  \text{s}$ As operating temperature (static) $1  \text{kV} @ 60  \text{s}$ As operating temperature (fixed) $1  \text{kV} @ 60  \text{s}$ As operating temperature (fixed) $1  \text{kV} @ 60  \text{s}$ Bending resistance $1  \text{kV} @ 60  \text{s}$ As operating temperature (fixed) $1  \text{kV} @ 60  \text{s}$ Bending resistance $1  \text{kV} @ 60  \text{s}$ Coperating temperature min. (dynamic) $1  \text{kV} @ 60  \text{s}$ Coperating temperature min. (dynamic) $1  \text{kV} @ 60  \text{s}$ Coperating temperature min. (dynamic) $1  \text{kV} @ 60  \text{s}$ Coperating temperature min. (dynamic) $1  \text{kV} @ 60  \text{s}$ Coperating temperature min. (dynamic) $1  \text{kV} @ 60  \text{s}$ Coperating temperature min. (dynamic) $1  \text{kV} @ 60  \text{s}$ Coperating temperature min. (dynamic) $1  \text{kV} @ 60  \text{s}$ Cood, application-related testing $1  \text{kV} @ 60  \text{s}$ Cood, application-related testing $1  \text{kV} @ 60  \text{s}$ Cood, application-related testing $1  \text{kV} @ 60  \text{s}$ Bending radius (fixed) $1  \text{kV} @ 60  \text{s}$ Cood, application-related testing $1  \text{kV} @ 60$	Current load capacity (standard)	to DIN VDE 0298-4
Characteristic impedance $100 \Omega \pm 15 \% \otimes 1  \text{MHz}$ Electrical resistance line constant wire $35  \Omega / \text{km}$ Electrical resistance coating wire (Data) $140  \Omega / \text{km}$ AC withstand voltage (wire - wire) $1  \text{kV} \otimes 60  \text{s}$ Electrical capacity line constant (wire - wire) $52000  \text{pF/km}$ Power frequency withstand voltage (wire - lacket) $1  \text{kV} \otimes 60  \text{s}$ Electrical resistance $5000  \text{mG}$ AC withstand voltage (wire - shield) $1  \text{kV} \otimes 60  \text{s}$ Solution resistance $5000  \text{M}\Omega$ Min. operating temperature (static) $-50  ^{\circ}\text{C}$ Max. operating temperature (fixed) $80  ^{\circ}\text{C} / 90  ^{\circ}\text{C} \otimes 10000  \text{h Operation}$ Operating temperature min. (dynamic) $-40  ^{\circ}\text{C}$ Operating temperature max. (dynamic) $-80  ^{\circ}\text{C} / 90  ^{\circ}\text{C} \otimes 10000  \text{h Operation}$ Flame resistance $- \text{UL}  1581  \text{g}  1100  \text{FTz}  \text{lEC}  60332 \cdot 2 \cdot 2  \text{lUL}  1581  \text{g}  1090$ chemical resistance $- \text{Good}$ , application-related testing}  Gasoline resistance $- \text{Good}$ , application-related testing}  Oil resistance $- \text{Good}$ , application-related testing}  Electrical since $- \text{Good}$ application-relate	Current load capacity min. wire	5,9 A
Electrical resistance line constant wire 35 Ω/km  Electrical resistance coating wire (Data) 140 Ω/km  AC withstand voltage (wire - wire) 1 kV @ 60 s  Electrical capacity line constant (wire - wire) 52000 pF/km  Power frequency withstand voltage (wire - acket) 1 kV @ 60 s  AC withstand voltage (wire - shield) 1 kV @ 60 s  Isolation resistance 5000 MΩ  Min. operating temperature (static) -50 °C  Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic) -40 °C  Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  Flame 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) 5 x Outer diameter  Bending radius (fixed) 5 x Outer diameter  Bending radius (gynamic) 10 x Outer diameter  Bending radius (fixed) 5 min.  Traversing distance (C-track) 5 min.  Traversing distance (C-track) 5 m  Travel speed (C-track) 3,3 m/s  No. of torsion cycles 2 Min.  Torsion stress ± 30 °/m	Current load capacity min. Wire (Data)	2 A
AC withstand voltage (wire - wire)	Characteristic impedance	100 Ω ± 15 % @ 1 MHz
AC withstand voltage (wire - wire)  1 kV @ 60 s  Electrical capacity line constant (wire - wire)  2000 pF/km  Power frequency withstand voltage (wire - acket)  1 kV @ 60 s  AC withstand voltage (wire - shield)  1 kV @ 60 s  Solotlion resistance  5000 MΩ  Min. operating temperature (static)  50° C  Max. operating temperature (fixed)  80° C / 90° C @ 10000 h Operation  Operating temperature min. (dynamic)  40° C  Operating temperature max. (dynamic)  80° C / 90° C @ 10000 h Operation  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  Good, application-related testing  Bending radius (installation)  x Outer diameter  Bending radius (gynamic)  10 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  Bending radius (c-track)  5 m  Travel speed (C-track)  3,3 m/s  No. of torsion cycles  2 Mio.  Torsion stress  ± 30°/m	Electrical resistance line constant wire	35 Ω/km
Electrical capacity line constant (wire - wire) 52000 pF/km  Power frequency withstand voltage (wire - acket) 1 kV @ 60 s  AC withstand voltage (wire - shield) 1 kV @ 60 s  Isolation resistance 5000 MΩ  Min. operating temperature (static) -50 °C  Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic) -40 °C  Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  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 Good, application-related testing   DIN EN 60811-404  Bending radius (installation) x Outer diameter  Bending radius (fixed) 5 x Outer diameter  Bending radius (gynamic) 10 x Outer diameter  No. of bending cycles (C-track) 5 Mio.  Traver sing distance (C-track) 5 m  Travel speed (C-track) 3,3 m/s  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	Electrical resistance coating wire (Data)	140 Ω/km
Power frequency withstand voltage (wire - shield)  AC withstand voltage (wire - shield)  1 kV @ 60 s  Solution resistance  5000 MΩ  Min. operating temperature (static)  -50 °C  Max. operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Bo °C / 90 °C @ 10000 h Operation  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  Good, application-related testing   DIN EN 60811-404  Bending radius (installation)  x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  No. of bending cycles (C-track)  5 min.  Traversing distance (C-track)  5 m  Traversing distance (C-track)  3,3 m/s  No. of torsion cycles  2 Mio.  Torsion stress  ± 30 °/m	AC withstand voltage (wire - wire)	1 kV @ 60 s
TAV @ 60 s	Electrical capacity line constant (wire - wire)	52000 pF/km
Isolation resistance 5000 MΩ  Min. operating temperature (static) -50 °C  Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic) -40 °C  Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  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 Good, application-related testing   DIN EN 60811-404  Bending radius (installation) x Outer diameter  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (C-track) 5 Mio.  Traversing distance (C-track) 5 m  Travel speed (C-track) 3,3 m/s  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	Power frequency withstand voltage (wire - jacket)	1 kV @ 60 s
Min. operating temperature (static)  -50 °C  Max. operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic)  -40 °C  Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  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  Good, application-related testing   DIN EN 60811-404  Bending radius (installation)  x Outer diameter  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  No. of bending cycles (C-track)  5 m  Traversing distance (C-track)  5 m  Travel speed (C-track)  3,3 m/s  No. of torsion cycles  ± 30 °/m	AC withstand voltage (wire - shield)	1 kV @ 60 s
Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  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  Good, application-related testing   DIN EN 60811-404  Bending radius (installation)  x Outer diameter  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  No. of bending cycles (C-track)  5 m  Traversing distance (C-track)  3,3 m/s  No. of torsion cycles  ± 30 °/m	Isolation resistance	5000 ΜΩ
Operating temperature min. (dynamic)  -40 °C Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  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  Good, application-related testing   DIN EN 60811-404  Bending radius (installation)  x Outer diameter  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  No. of bending cycles (C-track)  5 m  Traver sing distance (C-track)  5 m  Travel speed (C-track)  3,3 m/s  No. of torsion cycles  2 Mio.  Torsion stress  ± 30 °/m	Min. operating temperature (static)	-50 °C
Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  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  Good, application-related testing   DIN EN 60811-404  Bending radius (installation)  x Outer diameter  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  No. of bending cycles (C-track)  5 m  Traversing distance (C-track)  5 m  Travel speed (C-track)  3,3 m/s  No. of torsion cycles  2 Mio.  Torsion stress  ± 30 °/m	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
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 Good, application-related testing   DIN EN 60811-404  Bending radius (installation) x Outer diameter  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (C-track) 5 m  Traversing distance (C-track) 5 m  Travel speed (C-track) 3,3 m/s  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	Operating temperature min. (dynamic)	-40 °C
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) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. Traversing distance (C-track) 5 m  Travel speed (C-track) 3,3 m/s No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
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) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (C-track) 5 Mio.  Traversing distance (C-track) 5 m  Travel speed (C-track) 3,3 m/s  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (installation) x Outer diameter  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (C-track) 5 Mio.  Traversing distance (C-track) 5 m  Travel speed (C-track) 3,3 m/s  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	chemical resistance	Good, application-related testing
Bending radius (installation) x Outer diameter  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (C-track) 5 Mio.  Traversing distance (C-track) 5 m  Travel speed (C-track) 3,3 m/s  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	Gasoline resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (C-track) 5 Mio.  Traversing distance (C-track) 5 m  Travel speed (C-track) 3,3 m/s  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (C-track) 5 Mio.  Traversing distance (C-track) 5 m  Travel speed (C-track) 3,3 m/s  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	Bending radius (installation)	x Outer diameter
No. of bending cycles (C-track) 5 Mio.  Traversing distance (C-track) 5 m  Travel speed (C-track) 3,3 m/s  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	Bending radius (fixed)	5 x Outer diameter
Traversing distance (C-track) 5 m  Travel speed (C-track) 3,3 m/s  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track) 3,3 m/s  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	No. of bending cycles (C-track)	5 Mio.
No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	Traversing distance (C-track)	5 m
Torsion stress ± 30 °/m	Travel speed (C-track)	3,3 m/s
	No. of torsion cycles	2 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 30 °/m
	Torsion speed	35 cycles/min