

## M12 male 90° / M12 female 90° B-cod. shielded

PUR AWG24+22 shielded vt UL/CSA+drag ch. 7m

Male 90° – female 90° M12 – M12, 4-pole B-coded shielded

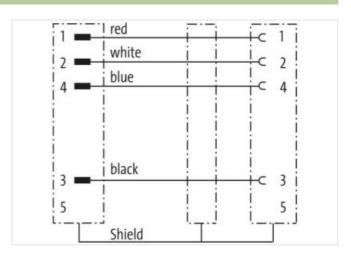
Plastic housings with good resistance against chemicals and oils.

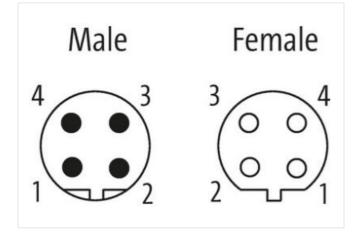
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

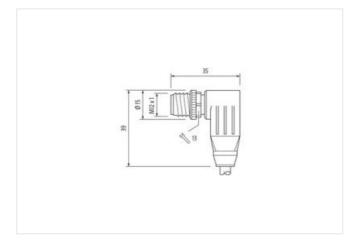
## **Link to Product**

## Illustration

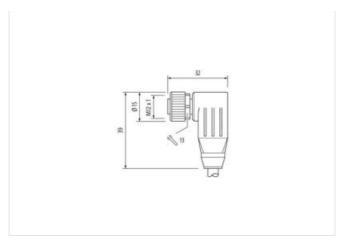












Product may differ from Image





Cable length	7 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	4048879456777
Packaging unit	1
Electrical data   Supply	



stay connected

Operating vallage DC max.         60 V           Operating vallage DC (UL listed)         30 V           Degree of protection (EN IEC 60529)         IP67           Additional condition protection (EN IEC 60529)         IP67           Rated surge vallage         1.5 KV           Machanic and State (In Control of Control (In Control of Control	Operating voltage AC max.	60 V
Operating part protection (Filectical Name)         4 A           Degree of protection (Filectical Filectical Filectic	Operating voltage DC max.	60 V
Ourveint operating per contact max.         4 A           Device profection   Effectional   Degree of protection (EN LEC 60529)         IP67           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kW           Material group (EC 600641)         I           Mechanical data         Contour for corrugated hose         without           Mechanical data   Material data         Zm die casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         25 °C           Operating temperature max.         85 °C         Actional condition temperature range         depending on cable quality           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g., by the usage of cable ities.           Note on bendring radius         Attentions. Observe the permissible bendring radii when laying cables, as the IP protection class can be adangered by excessive bendring forces.           Conformity         Product standard         DN EN 61076-2-101 (M12)           Installation   Cable         Attentions. Observe the permissible bendring radii when laying cables, as the IP protection class can be adange	Operating voltage AC (UL-listed)	30 V
Degree of protection   Electrical   Degree of protection   EN IEC 60529   IPB7   Additional condition protection degree   Inserted, screwed	Operating voltage DC (UL-listed)	30 V
Degree of protection (EN IEC 60329) IP67 Additional condition protection degree inserted, screwed inserted data  Contour for corrugated hose without   Mechanical data I Macerial data  Coding locking Noterial Zinc dejectable Version of Coding locking inserted inserted, screwed, Shaking protection  Environmental Naracteristics   Climatic Version of Coding Inserted inserted, screwed, Shaking protection  Environmental characteristics   Climatic Version of Coding Inserted inserted, screwed, Shaking protection  Environmental characteristics   Climatic Version of Coding Inserted inserted, screwed, Shaking protection  Environmental characteristics   Climatic Version of Coding Inserted inserted, screwed, Shaking protection  Environmental characteristics   Climatic Version of Coding Inserted inserted, screwed, Shaking protection  Environmental characteristics   Climatic Version of Coding Inserted Ins	Current operating per contact max.	4 A
Additional condition protection degree   inserted, screwed   Pollution Degree   3   Rated surge voltage   1,5 kV   Material group (IEC 60864-1)   1    Mechanical data   Mechanical data   Mechanical data   Muterial data   Casting looking   Nickeled   Cooking material   Zinc dis-casting   Mechanical data   Muterial data   Muterial group (IEC 60864-1)   I   Mechanical data   Muterial data   Muterial group data   Zinc dis-casting   Mechanical data   Munting data   Muterial group data   Muterial	Device protection   Electrical	
Pollution Digree   3   Rated surge voltage   1,5 kV	Degree of protection (EN IEC 60529)	IP67
Raterial group (IEC 80864-1)         1           Material group (IEC 80864-1)         1           Mechanical data         Without           Mechanical data   Meterial data         Mechanical data   Meterial data           Coating lacking         Nickeled           Locking metrial         Zinc die-casting           Mechanical data   Mounting data         Meuriting method           Environmental characteristics   Climatic         Coperating lemperature min.         -25 °C           Operating lemperature max         65 °C         Additional condition temperature range         depending on cable quality           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bonding radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         (bit N 61076-2-101 (M12)           Installation   Cable         (white, blue), (black, red)           Cable (entification)         803           Ancest Cofer         violet           Type of Certificate         cultification           Amount stranding (type 2)	Additional condition protection degree	inserted, screwed
Material group (IEC 80684-1)   I	Pollution Degree	3
Mechanical data   Contour for corrugated hose   without	Rated surge voltage	1,5 kV
Contour for corrugated hose without  Mechanical data   Material data  Casting locking Nickeled  Locking material Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Environmental characteristics   Climatic  Operating temperature min. 25° °C  Operating temperature min. 25° °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain reliel Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Cartificate clobr  Type of Cartificate clobr  Stranding (type 2) 2 Stranded joints twisted  Amount stranding (type 2) 1 1  Stranding (type 2) 2 Stranded joints twisted  Cable identification 65%  Stranding (type 2) 2 Stranded joints twisted  Cable identification (white, blue), (black, red)  Cable identification (type 2) 2 Stranded joints twisted  Cable identification (twinte, blue), (black, red)  Cable identification (white, blue), (black, red)  Cable identification (white, blue), (black, red)  Cable identification (installation) (installation	Material group (IEC 60664-1)	
Mechanical data   Material data   Nickeled   Zinc dis-casting   Zinc	Mechanical 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           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         Installation   Cable           wire arrangement         (white, blue), (black, red)           Cable identification         803           Jacket Color         violet           Type of Cartificate         CURUs           Amount stranding         1           Stranding (type 2)         2 Stranded joints twisted           Cable shielding (type)	Contour for corrugated hose	without
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           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         Installation   Cable           wire arrangement         (white, blue), (black, red)           Cable identification         803           Jacket Color         violet           Type of Cartificate         CURUs           Amount stranding         1           Stranding (type 2)         2 Stranded joints twisted           Cable shielding (type)	-	
Locking material Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on brain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 1  Amount stranding (type 2) 2  Stranded (type) 2  Cable shielding (coverage) 65 %  Banding Foil  Drain wire (cross-section) 22 AWG  wire arrangement (white, blue), (black, red)  Cable weighth 63.12 g/m  Material jacket PUR  Freedom from ingredients (jacket) 1.5 %  Meterial wire insulation 9.1 £5 %  Meterial wire insulation 9.2 £5  Material wire insulation 9.2 £5  Materia	·	Nickeled
Mechanical data   Mounting method           Environmental characteristics   Climatio           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature max.         85 °C           Additional condition temperature may.         depending on cable quality           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g., by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Protect standard         DIN EN 61076-2-101 (M12)           Installation   Cable         Value (Mile, blue), (black, red)           Cable identification         803           Jacket Color         violet           Type of Certificate         culflus           Amount stranding (type 2)         1           Stranding (type 2)         1           Stranding (type 2)         2 Stranded joints twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (type)         copper braid, tinned           Cable shielding (type)         copper braid, tinned           Cable weigth         63.12 g/m		
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic Operating temperature min		
Environmental characteristics   Climatic Operating temperature min.		
Operating temperature min. Operating temperature max. S5 °C Additional condition temperature range Important installation notes Note on strain relief Note on bending radius  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable wire arrangement (white, blue), (black, red) Cable identification 303 Jacket Color violet Type of Certificate Amount stranding 1 Stranding 2 wires twisted Amount stranding (type 2) 1 Stranding (type 2) 2 Stranded joints twisted Cable shielding (type) Cable shielding (type		inserted, screwed, Shaking protection
Operating temperature max. 85 °C Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 2 Stranded joints twisted  Cable shielding (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)  Cable weight 63,12 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) 6,9 mm  Material layine insulation PE	Environmental characteristics   Climatic	
Additional condition temperature range 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 endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  wire arrangement (white, blue), (black, red)  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)  Cable weighth 63,12 g/m  Material jacket PUR  Shore Aardensi jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 6,9 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PE	Operating temperature min.	-25 °C
Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Atention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable wire arrangement (white, blue), (black, red)  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)  Cable wighth 63,12 g/m  Material jacket PUR  Shore hardness jacket) 90 ± 5 Shore A  Freedom from ingredients (jacket) (ead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 5 %  Material wire insulation PE	Operating temperature max.	85 °C
Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable wire arrangement (white, blue), (black, red)  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)  Cable weigth 63,12 g/m  Material jacket PUR  Shore hardness jacket PUR  Tolerance outer diameter (sheath) ±5 %  Material wire insulation PE	Additional condition temperature range	depending on cable quality
Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable wire arrangement (white, blue), (black, red)  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)  Cable weigth 63,12 g/m  Material jacket PUR  Shore hardness jacket PUR  Freedom from ingredients (jacket) 6,9 mm  Tolerance outer diameter (sheath) 9E	Important installation notes	
endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  wire arrangement (white, blue), (black, red)  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)  Cable weigth 63,12 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 6,9 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PE	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
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Installation   Cable       wire arrangement     (white, blue), (black, red)       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)       Cable weigth     63,12 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     6,9 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PE		
wire arrangement (white, blue), (black, red)  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)  Cable weigth 63,12 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 6,9 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PE	Conformity	
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)         Cable weigth       63,12 g/m         Material jacket       PUR         Shore hardness jacket       90 ± 5 Shore A         Freedom from ingredients (jacket)       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Outer-diameter (jacket)       6,9 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PE		DIN EN 61076-2-101 (M12)
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)  Cable weigth 63,12 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 6,9 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PE	Product standard	DIN EN 61076-2-101 (M12)
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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)  Cable weigth 63,12 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 6,9 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PE	Product standard  Installation   Cable  wire arrangement	(white, blue), (black, red)
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)  Cable weigth 63,12 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 6,9 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PE	Product standard  Installation   Cable  wire arrangement  Cable identification	(white, blue), (black, red) 803
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)  Cable weigth 63,12 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 6,9 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PE	Product standard  Installation   Cable wire arrangement Cable identification Jacket Color	(white, blue), (black, red) 803 violet
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)  Cable weigth  63,12 g/m  Material jacket  PUR  Shore hardness jacket  PUR  Shore hardness jacket  90 ± 5 Shore A  Freedom from ingredients (jacket)  lead-free, cadmium-free, CFC-free, halogen-free  Outer-diameter (jacket)  6,9 mm  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  PE	Product standard  Installation   Cable  wire arrangement  Cable identification  Jacket Color  Type of Certificate	(white, blue), (black, red) 803 violet cURus
Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil  Drain wire (cross-section) 22 AWG  wire arrangement (white, blue), (black, red)  Cable weigth 63,12 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 6,9 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PE	Product standard  Installation   Cable  wire arrangement  Cable identification  Jacket Color  Type of Certificate  Amount stranding	(white, blue), (black, red) 803 violet cURus
Cable shielding (coverage) 65 %  Banding Foil  Drain wire (cross-section) 22 AWG  wire arrangement (white, blue), (black, red)  Cable weigth 63,12 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 6,9 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PE	Product standard  Installation   Cable  wire arrangement  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Amount stranding (type 2)	(white, blue), (black, red) 803 violet cURus 1 2 wires twisted
Banding Foil  Drain wire (cross-section) 22 AWG  wire arrangement (white, blue), (black, red)  Cable weigth 63,12 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 6,9 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PE	Product standard  Installation   Cable  wire arrangement  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Amount stranding (type 2)  Stranding (type 2)	(white, blue), (black, red)  803 violet cURus 1 2 wires twisted 1 2 Stranded joints twisted
Drain wire (cross-section)  22 AWG  wire arrangement  (white, blue), (black, red)  Cable weigth  63,12 g/m  Material jacket  PUR  Shore hardness jacket  90 ± 5 Shore A  Freedom from ingredients (jacket)  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket)  6,9 mm  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  PE	Product standard  Installation   Cable  wire arrangement  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Amount stranding (type 2)  Stranding (type 2)  Cable shielding (type)	(white, blue), (black, red)  803  violet  cURus  1  2 wires twisted  1  2 Stranded joints twisted  copper braid, tinned
wire arrangement (white, blue), (black, red)  Cable weigth 63,12 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 6,9 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PE	Product standard  Installation   Cable  wire arrangement  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Amount stranding (type 2)  Stranding (type 2)  Cable shielding (type)  Cable shielding (coverage)	(white, blue), (black, red) 803 violet cURus 1 2 wires twisted 1 2 Stranded joints twisted copper braid, tinned 65 %
Cable weigth 63,12 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 6,9 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PE	Product standard  Installation   Cable  wire arrangement  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Amount stranding (type 2)  Stranding (type 2)  Cable shielding (type)  Cable shielding (coverage)  Banding	(white, blue), (black, red)  803  violet  cURus  1  2 wires twisted  1  2 Stranded joints twisted  copper braid, tinned  65 %  Foil
Material jacket PUR Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 6,9 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PE	Product standard  Installation   Cable  wire arrangement  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Amount stranding (type 2)  Stranding (type 2)  Cable shielding (type)  Cable shielding (coverage)  Banding  Drain wire (cross-section)	(white, blue), (black, red)  803  violet  cURus  1  2 wires twisted  1  2 Stranded joints twisted  copper braid, tinned  65 %  Foil  22 AWG
Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 6,9 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PE	Product standard  Installation   Cable  wire arrangement  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Amount stranding (type 2)  Stranding (type 2)  Cable shielding (type)  Cable shielding (coverage)  Banding  Drain wire (cross-section)  wire arrangement	(white, blue), (black, red)  803  violet  cURus  1  2 wires twisted  1  2 Stranded joints twisted  copper braid, tinned  65 %  Foil  22 AWG  (white, blue), (black, red)
Freedom from ingredients (jacket)  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket)  7 olerance outer diameter (sheath)  Material wire insulation  PE	Product standard  Installation   Cable  wire arrangement  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Amount stranding (type 2)  Stranding (type 2)  Cable shielding (type)  Cable shielding (coverage)  Banding  Drain wire (cross-section)  wire arrangement  Cable weigth	(white, blue), (black, red)  803  violet  cURus  1  2 wires twisted  1  2 Stranded joints twisted  copper braid, tinned  65 %  Foil  22 AWG  (white, blue), (black, red)  63,12 g/m
Outer-diameter (jacket) 6,9 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PE	Product standard  Installation   Cable  wire arrangement  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Amount stranding (type 2)  Stranding (type 2)  Cable shielding (type)  Cable shielding (coverage)  Banding  Drain wire (cross-section)  wire arrangement  Cable weigth  Material jacket	(white, blue), (black, red)  803  violet  cURus  1  2 wires twisted  1  2 Stranded joints twisted  copper braid, tinned  65 %  Foil  22 AWG  (white, blue), (black, red)  63,12 g/m  PUR
Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PE	Product standard  Installation   Cable  wire arrangement  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  Cable weigth  Material jacket  Shore hardness jacket	(white, blue), (black, red)  803  violet  cURus  1  2 wires twisted  1  2 Stranded joints twisted  copper braid, tinned  65 %  Foil  22 AWG  (white, blue), (black, red)  63,12 g/m  PUR  90 ± 5 Shore A
Material wire insulation PE	Product standard  Installation   Cable  wire arrangement  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Amount stranding (type 2)  Stranding (type 2)  Cable shielding (type)  Cable shielding (coverage)  Banding  Drain wire (cross-section)  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)	(white, blue), (black, red)  803  violet  cURus  1  2 wires twisted  1  2 Stranded joints twisted  copper braid, tinned  65 %  Foil  22 AWG  (white, blue), (black, red)  63,12 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
	Product standard  Installation   Cable  wire arrangement  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Amount stranding (type 2)  Stranding (type 2)  Cable shielding (type)  Cable shielding (coverage)  Banding  Drain wire (cross-section)  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)	(white, blue), (black, red)  803  violet  cURus  1  2 wires twisted  1  2 Stranded joints twisted  copper braid, tinned  65 %  Foil  22 AWG  (white, blue), (black, red)  63,12 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  6,9 mm
	Product standard  Installation   Cable  wire arrangement  Cable identification  Jacket Color  Type of Certificate  Amount stranding  Stranding  Amount stranding (type 2)  Stranding (type 2)  Cable shielding (type)  Cable shielding (coverage)  Banding  Drain wire (cross-section)  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)	(white, blue), (black, red)  803  violet  cURus  1  2 wires twisted  1  2 Stranded joints twisted  copper braid, tinned  65 %  Foil  22 AWG  (white, blue), (black, red)  63,12 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free  6,9 mm  ± 5 %
Outer diameter insulation 2,1 mm	Product standard  Installation   Cable  wire arrangement  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  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation	(white, blue), (black, red) 803 violet cURus 1 2 wires twisted 1 2 Stranded joints twisted copper braid, tinned 65 % Foil 22 AWG (white, blue), (black, red) 63,12 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 6,9 mm ± 5 % PE

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-22



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Shore hardness wite insulation   64 ± 5 Shore D   Ingredent freeness wite insulation   lead*ree, CPC-free, halogen-free	Outer diameter televenee core inculation	L F 0/
Ingredient fremess wire insulation   lead free, CFC-free, halogen-free	Outer diameter tolerance core insulation	±5%
Amount strands (wire)   19   19   19   19   19   19   19   1		
Diameter of single wires         24 AWG           Conductor crosssection (wire)         24 AWG           Drain wire (cross section)         22 AWG           Material conductor wire         copper stranded wire, timed           Electrical function wire         Data           Material vire insulation (Data)         PE           Outer diameter wire insulation (Data)         1,5 mm           Toreance outer diameter wire insulation (Data)         1,5 mm           Ingredient freeness wire insulation (Data)         lead free, CFC-free, halogen-free           Amount wires (Data)         2           Amount wires (Data)         2           Orarductor crosssection wire (Data)         19           Diameter of single wires (Data)         22 AWG           Conductor vires (Data)         20 Yell           Electrical function wire (data)         Power           Nominal voltage &C max.         300 V           Current load capacity (standard)         to Dit VEC 628-4           Current load capacity (standard)         to Dit VEC 628-4           Current load capaci		<del>-</del>
Conductor cross-section (vere)         24 AWG           Drain wire (cross-section)         22 AWG           Material conductor wire         oppore stranded wire, linned           Electrical function wire         Data           Marterial wire insulation (Data)         1.5 mm           Tolerance outer diameter wire insulation (Data)         1.5 mm           Tolerance outer diameter wire insulation (Data)         1.5 mm           Inputed in feeness wire insulation (Data)         1.5 mm           Amount strands wire (Data)         19           Diameter of single wires (Data)         19           Diameter of single wires (Data)         22 AWG           Conductor crosssection wire (Data)         22 AWG           Conductor wire (Data)         20 AWG           Material Conductor wire (Data)         20 AWG           Contract (Data)         20 AWG           Contract (Data)         20 AWG           Contract (Data)         20 Dever           Nominal voltage (Vistandard)         10 DN VID 6298-4           Current load capacity min. wire (Data)         6 A           Electrical function wire (data)		
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           Toriannae outser diameter wire insulation (data)         2.5 %           Ingredient freeness wire insulation (Data)         lead-free, CFC-free, halogen-free           Amount wries (Data)         2           Amount wries (Data)         19           Diameter of single wires (Data)         22 AWG           Conductor cross-section wire (Data)         22 AWG           Conductor vires (Data)         22 AWG           Conductor wire (Data)         22 AWG           Electrical function wire (data)         20 poper stranded wire, tinned           Electrical function wire (data)         Power           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. Wire (Data)         6 A           Electrical function wire (data)         Power           Current load capacity min. Wire (Data)         6 A           Electrical resistance line constant wire         78 Ω/m           Electrical resistance (Incoton wire (dat		
Material conductor wire opper stranded wire, finned 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 % Improdedint feness wire insulation (data) 1 53 % Improdedint feness wire insulation (data) 2 53 % Improdedint feness wire insulation (data) 1 53 % Improdedint feness wire insulation (Data) 19 Diameter of single wires (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) 22 AWG Material conductor wire (Data) 29 AWG Conductor crosssection wire (Data) 29 AWG Cornell condition wire (Data) 29 AWG Characteristic impedance 120 \(\Omega \to 10 \times 0 \times 1 \times 1 \times 1 \times 1 \times 1 \times 2 \times 1		
Electrical function wire         Data           Material wire insulation (Data)         1,5 mm           Tolerance outer diameter wire insulation (Data)         ± 53 %           Ingredient freeness wire insulation (Data)         ± 53 %           Ingredient freeness wire insulation (Data)         ± 53 %           Amount wires (Data)         2           2 Amount strands wire (Data)         19           Diameter of single wires (Data)         22 AWG           Conductor crossascion wire (Data)         22 AWG           Material conductor wire (Data)         22 AWG           Material conductor wire (Data)         22 AWG           Material conductor wire (Data)         20 AWG           Material conductor wire (Data)         20 AWG           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. Wire (Data)         6 A           Electrical function wire (Edata)         Power           Characteristic impedance         12 O ± 10 % @ 1 MHz           Electrical resistance line constant wire         78 Okm           Electrical presistance posting wire (wire wire)         24 W @ 60 s           Electrical presistance posting temperature (Exect)         30 °C           Operat		
Material wire insulation (Data)         PE           Outer diameter wire insulation (Data)         1,5 mm           Toferance outer diameter 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)         20 AWG           Conductor crosssection wire (Data)         22 AWG           Mactival conductor wire (Data)         20 AWG           Control conductor wire (Data)         20 AWG           Nominal voltage AC max         300 V           Current load capacity (standard)         to DIN VIE 0298-4           Current load capacity win. Wire (Data)         6 A           Electrical function 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 vire (Data)         54 Ω/km           AC withstand voltage (wire - shield)         2 kV ⊕ 60 s           Min. operating temperature (static) <td></td> <td>- ··</td>		- ··
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 crossaccion wire (Data)         22 AWG           Material conductor wire (Data)         20 Power           Material conductor wire (data)         Power           Nominal voltage AC max.         300 V           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           Current load capacity min. wire (Data)         6 A           Electrical resistance coating wire (Data)         6 A           Electrical resistance (function wire (data)         Power           Characteristic impedance         120 Q ± 10 % @ 1 MHz           Electrical resistance coating wire (Data)         2 kV @ 60 s           Electrical resistance coating wire (Data)         2 kV @ 60 s           Electrical resistance viries         400 Wm		
Tolerance outer diameter wire insulation (data) ± 53 % ingrecient 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  Conductor crosssection wire (Data) 22 AWG  Material conductor 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  Material conductor wire (Data) 22 AWG  Material conductor wire (Data) 23 AWG  Material conductor wire (Data) 24 AWG  Material conductor wire (Data) 25 AWG  Material Conductor wire (Data) 26 AWG  Characteristic impedance 120 Q± 10 % Ø 1 MHz  Electrical function wire (Data) 26 AWG  Material Conductor wire (Data) 26 AWG  AC withstand voltage (wire vivie) 26 AWG  AC withstand voltage (wire vivie) 26 AWG  AC withstand voltage (wire vivie) 27 AWG  Min. operating temperature (static) 400 PFAM  AC withstand voltage (wire - shield) 27 AWG  Min. operating temperature (static) 40 AWG  Min. operating temperature (static) 40 AWG  Min. operating temperature (static) 40 AWG  Coperating temperature min. (dynamic) 30 °C  Operating temperature min. (dynamic) 70 °C  Flame resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Bending radius (rishallation) x Duter diameter  Bending radius (rishallation) x Outer diameter  Bending radius (rishallation) x Ou	. ,	
Ingredient freeness wire insulation (Data) lead-free, CFC-free, halogen-free Amount wires (Data) 2 Amount strands wire (Data) 19 Diameter of slight wires (Data) 22 AWG Conductor crosssection wire (Data) 22 AWG Material conductor wire (Data) 22 AWG Material conductor wire (Data) 22 AWG Conductor wire (Data) 22 AWG Material conductor wire (Data) 22 AWG Material conductor wire (Data) 22 AWG Common to the conductor wire (Data) 22 AWG Nominal voltage AC max. 300 V Current load capacity (standard) 10 DIN VDE 0298-4 Current load capacity wire. Wire 4.5 A Current load capacity min. Wire (Data) 6 A Electrical function wire data 10 Power Characteristic impedance 120 Ω ± 10 % ② 1 MHz Electrical resistance line constant wire 78 Ω/km Electrical resistance load (wire - shield) 2 kV ⊚ 60 s Electrica capacitance AC withstand voltage (wire - shield) 2 kV ⊚ 60 s Min. operating temperature (fixed) 80 °C Operating temperature max. (dynamic) 70 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Bending radius (installation) × Outer diameter Bending radius (installation) × Outer diameter Bending radius (installation) 5 m No. of torsion sycles (-track) 1 Min. Traversing distance (-track) 5 m Travel speed (-track) 3 m/s No. of torsion cycles (-track) 1 Min. Traversing distance (-track) 2 dividence 1 divide	` ,	
Amount wires (Data)         2           Amount strands wire (Data)         19           Diameter of single wires (Data)         22 AWG           Conductor crossessetion wire (Data)         22 AWG           Material conductor wire (Data)         copper stranded wire, finned           Electrical function wire (data)         Power           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. Wire (Data)         6 A           Electrical function wire (data)         Power           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           Electrical resistance coating wire (Data)         54 Ω/km           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical capacitance         40000 pF/km           AC withstand voltage (wire - wire)         2 kV @ 60 s           Min. operating temperature (fixed)         30 °C           Operating temperature min. (dynamic)         30 °C           Operating temperature max		
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           Nominal voltage AC max.         300 V           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           AC withstand voltage (wire - wire)         2 k V @ 60 s           Electric capacitance         40000 pF/km           AC withstand voltage (wire - shield)         2 k V @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (inct)         80 °C           Operating temperature min. (dynamic)         -30 °C           Operating temperature max. (dynamic)         -30 °C           Flame resistance         UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090 <tr< td=""><td></td><td>lead-free, CFC-free, halogen-free</td></tr<>		lead-free, CFC-free, halogen-free
Diameter of single wires (Data)         22 AWG           Conductor corsssection wire (Data)         22 AWG           Material conductor wire (Data)         copper stranded wire, tinned           Electrical function wire (data)         Power           Nominal voltage AC max.         300 V           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)         Power           Characteristic impedance         120 Ω ± 10 % @ 1 MHz           Electrical resistance constant wire         78 Ω/km           Electrical resistance constant wire         78 Ω/km           Electrical resistance coating wire (Data)         54 Ω/km           AC withstand voltage (wire - shield)         2 k V @ 60 s           Electric capaciting temperature (static)         -40 °C           Max. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -30 °C           Operating temperature max. (dynamic)         -30 °C           Operating temperature max. (dynamic)         -30 °C           Operating temperature max. (dynamic)         -00 °C           In esistance         UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     <	Amount wires (Data)	2
Conductor crosssection wire (Data)         22 AWG           Material conductor wire (Data)         copper stranded wire, tinned           Electrical function wire (data)         Power           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. Wire (Data)         6 A           Electrical function wire (ada)         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           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electric capacitance         40000 pF/km           AC withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (fixed)         80 °C           Operating temperature mix. (dynamic)         -30 °C           Operating temperature max. (dynamic)         -30 °C           Operating temperature max. (dynamic)         -30 °C           Flame resistance         UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090           chemical resistance         Good, application-related tes	Amount strands wire (Data)	19
Material conductor wire (Data)         copper stranded wire, tinned           Electrical function wire (data)         Power           Nominal voltage AC max.         300 V           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 line constant wire         78 Ω/km           Electrical resistance locating wire (Data)         54 Ω/km           AC withstand voltage (wire - shield)         2 kV @ 60 s           Electrica resistance voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (stact)         40 °C           Max. operating temperature (stact)         40 °C           Max. 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 resistanc	Diameter of single wires (Data)	
Electrical function wire (data)         Power           Nominal voltage AC max.         300 V           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           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electric capacitance         40000 pF/km           AC withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         80 °C           Operating temperature max. (dynamic)         -70 °C           Plame resistance         UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Garding radius (installation)         × Outer diameter           Bending radius (installation)         × Outer diamet	Conductor crosssection wire (Data)	22 AWG
Nominal voltage AC max.         300 V           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 resistance investing (data)         Power           Characteristic impedance         120 Ω ± 10 % @ 1 MHz           Electrical resistance line constant wire         78 Ωkm           Electrical resistance coating wire (Data)         54 Ωkm           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electric apacitance         40000 pF/km           AC withstand voltage (wire - shield)         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           Gardius (dynamic)         50 K Outer diameter           Bending radius (fixed)         6 x Outer diameter <td>Material conductor wire (Data)</td> <td>copper stranded wire, tinned</td>	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           Electrical function wire (data)         Power           Characteristic impedance         120 Ω ± 10 % @ 1 MHz           Electrical resistance line constant wire         78 0/km           Electrical resistance coating wire (Data)         54 Ω/km           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electric capacitance         40000 pF/km           AC withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. 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           Bending radius (fixed)         6 x Outer diameter           Bending radius (fixed)         6 x Outer diameter           Bending radius (fixed)	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           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electric capacitance         400000 pF/km           AC withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         80 °C           Operating temperature max. (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           Bending radius (installation)         x Outer diameter           Bending radius (fixed)         6 x Outer diameter           Bending radius (dynamic)         10 x Outer diameter           Bending radius (fixed)         5 m <td>Nominal voltage AC max.</td> <td>300 V</td>	Nominal voltage AC max.	300 V
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           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electric capacitance         40000 pF/km           AC withstand voltage (wire - shield)         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           Bending radius (fixed)         6 x Outer diameter           Bending radius (fixed)         6 x Outer diameter           Bending radius (dynamic)         10 x Outer diameter           Bending radius (dynamic)	Current load capacity (standard)	to DIN VDE 0298-4
Electrical function wire Data  Electrical function wire (data) Power  Characteristic impedance 120 $\Omega$ ± 10 % @ 1 MHz  Electrical resistance line constant wire 78 $\Omega$ /km  Electrical resistance coating wire (Data) 54 $\Omega$ /km  AC withstand voltage (wire - wire) 2 kV @ 60 s  Electric apacitance 40000 pF/km  AC withstand voltage (wire - shield) 2 kV @ 60 s  Electric capacitance 40000 pF/km  AC withstand voltage (wire - shield) 2 kV @ 60 s  Electric capacitance 40000 pF/km  AC withstand voltage (wire - shield) 2 kV @ 60 s  Min. operating temperature (istatic) -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  Bending radius (installation) x Outer diameter  Bending radius (installation) 10 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (C-track) 1 Mio.  Traversing distance (C-track) 3 m/s  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	Current load capacity min. wire	4,5 A
Electrical function wire (data)         Power           Characteristic impedance $120 \Omega \pm 10 \% \oplus 1 \text{ MHz}$ Electrical resistance line constant wire $78 \Omega \text{km}$ Electrical resistance coating wire (Data) $54 \Omega \text{km}$ AC withstand voltage (wire - wire) $2 \text{ kV} \oplus 60 \text{ s}$ Electric capacitance $40000 \text{ pF/km}$ AC withstand voltage (wire - shield) $2 \text{ kV} \oplus 60 \text{ s}$ 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 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090           chemical resistance         Good, application-related testing           oll resistance         Good, application-related testing           oll resistance         DIN EN 60811-404   Good, application-related testing           Bending radius (installation)         x Outer diameter           Bending radius (fixed)         6 x Outer diameter           Bending radius (dynamic)         10 x Outer diameter           Bending radius (dynamic)         10 x Outer diameter           No. of bending cycles (C-track)	Current load capacity min. Wire (Data)	6 A
Characteristic impedance $120 \ \Omega \pm 10 \ \% \ 0 \ 1 \ MHz$ Electrical resistance line constant wire $78 \ \Omega / km$ Electrical resistance coating wire (Data) $54 \ \Omega / km$ AC withstand voltage (wire - wire) $2 \ kV \ \emptyset \ 60 \ s$ Electric capacitance $40000 \ pF / km$ AC withstand voltage (wire - shield) $2 \ kV \ \emptyset \ 60 \ s$ Max. operating temperature (static) $40 \ ^{\circ}C$ Max. operating temperature (fixed) $80 \ ^{\circ}C$ Operating temperature min. (dynamic) $30 \ ^{\circ}C$ Operating temperature max. (dynamic) $70 \ ^{\circ}C$ Flame resistance $40000 \ pF / km$ Electric capacitance $40000 \ pF / km$ Operating temperature min. (dynamic) $40 \ ^{\circ}C$ Operating temperature min. (dynamic) $40 \ ^{\circ}C$ Operating temperature max. (dynamic) $40 \ ^{\circ}C$ Operating temperature fixed $40 \ ^{\circ}C$ Operating tem	Electrical function wire	Data
Electrical resistance coating wire (Data) 54 \( \Omega/km \)  AC withstand voltage (wire - wire) 2 kV \( \omega \) 60 s  Electric capacitance 40000 pF/km  AC withstand voltage (wire - shield) 2 kV \( \omega \) 60 s  Electric capacitance 40000 pF/km  AC withstand voltage (wire - shield) 2 kV \( \omega \) 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 \( \green \) 1100 FT2   IEC 60332-2-2   UL 1581 \( \green \) 1990  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Gardine radius (installation) x Outer diameter  Bending radius (installation) 5 x Outer diameter  Bending radius (fixed) 6 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Bending radius (ofynamic) 10 x Outer diameter  No. of bending cycles (C-track) 5 m  Traver sing distance (C-track) 3 m/s  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	Electrical function wire (data)	Power
Electrical resistance coating wire (Data) 54 \( \text{ D/km} \)  AC withstand voltage (wire - wire) 2 kV \( \text{ 06 0 s} \)  Electric capacitance 40000 pF/km  AC withstand voltage (wire - shield) 2 kV \( \text{ 06 0 s} \)  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  Gasoline resistance DIN EN 60811-404   Good, application-related testing  Bending radius (installation) x Outer diameter  Bending radius (fixed) 6 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (C-track) 1 Mio.  Traversing distance (C-track) 5 m  Travel speed (C-track) 3 m/s  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	Characteristic impedance	120 Ω ± 10 % @ 1 MHz
AC withstand voltage (wire - wire) 2 kV @ 60 s  Electric capacitance 40000 pF/km  AC withstand voltage (wire - shield) 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  Bending radius (installation) x Outer diameter  Bending radius (fixed) 6 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Bending radius (cynamic) 10 x Outer diameter  No. of bending cycles (C-track) 1 Mio.  Traversing distance (C-track) 5 m  Travel speed (C-track) 3 m/s  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	Electrical resistance line constant wire	78 Ω/km
Electric capacitance 40000 pF/km  AC withstand voltage (wire - shield) 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  Bending radius (installation) x Outer diameter  Bending radius (fixed) 6 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (C-track) 1 Mio.  Traversing distance (C-track) 5 m  Travel speed (C-track) 3 m/s  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	Electrical resistance coating wire (Data)	54 Ω/km
AC withstand voltage (wire - shield)  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  Bending radius (installation)  x Outer diameter  Bending radius (fixed)  6 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  No. of bending cycles (C-track)  1 Mio.  Traversing distance (C-track)  5 m  Travel speed (C-track)  3 m/s  No. of torsion cycles  2 Mio.  Torsion stress  ± 30 °/m	AC withstand voltage (wire - wire)	2 kV @ 60 s
Min. operating temperature (static)  Max. operating temperature (fixed)  80 °C  Operating temperature min. (dynamic)  70 °C  Operating temperature max. (dynamic)  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  Bending radius (installation)  x Outer diameter  Bending radius (fixed)  6 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  No. of bending cycles (C-track)  1 Mio.  Traversing distance (C-track)  5 m  Travel speed (C-track)  3 m/s  No. of torsion cycles  ± 30 °/m	Electric capacitance	40000 pF/km
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic)  Flame resistance UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Oil resistance Oil resistance DIN EN 60811-404   Good, application-related testing Bending radius (installation) x Outer diameter  Bending radius (fixed) 6 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (C-track) 1 Mio.  Traversing distance (C-track) 5 m  Travel speed (C-track) 3 m/s No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	AC withstand voltage (wire - shield)	2 kV @ 60 s
Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  To °C  Operating temperature max. (dynamic)  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  Bending radius (installation)  x Outer diameter  Bending radius (fixed)  6 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  No. of bending cycles (C-track)  1 Mio.  Traversing distance (C-track)  5 m  Travel speed (C-track)  3 m/s  No. of torsion cycles  2 Mio.  Torsion stress  ± 30 °/m	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic)  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  Bending radius (installation)  x Outer diameter  Bending radius (fixed)  6 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  No. of bending cycles (C-track)  1 Mio.  Traversing distance (C-track)  5 m  Travel speed (C-track)  3 m/s  No. of torsion cycles  2 Mio.  Torsion stress  ± 30 °/m	Max. operating temperature (fixed)	80 °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  Bending radius (installation) x Outer diameter  Bending radius (fixed) 6 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (C-track) 1 Mio.  Traversing distance (C-track) 5 m  Travel speed (C-track) 3 m/s  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	Operating temperature min. (dynamic)	-30 °C
chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (installation)x Outer diameterBending radius (fixed)6 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)1 Mio.Traversing distance (C-track)5 mTravel speed (C-track)3 m/sNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	Operating temperature max. (dynamic)	70 °C
Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404   Good, application-related testing Bending radius (installation) x Outer diameter  Bending radius (fixed) 6 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (C-track) 1 Mio.  Traversing distance (C-track) 5 m  Travel speed (C-track) 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 DIN EN 60811-404   Good, application-related testing  Bending radius (installation) x Outer diameter  Bending radius (fixed) 6 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (C-track) 1 Mio.  Traversing distance (C-track) 5 m  Travel speed (C-track) 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) 6 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (C-track) 1 Mio.  Traversing distance (C-track) 5 m  Travel speed (C-track) 3 m/s  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	Gasoline resistance	Good, application-related testing
Bending radius (fixed) 6 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (C-track) 1 Mio.  Traversing distance (C-track) 5 m  Travel speed (C-track) 3 m/s  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (C-track) 1 Mio.  Traversing distance (C-track) 5 m  Travel speed (C-track) 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)  Traversing distance (C-track)  Travel speed (C-track)  No. of torsion cycles  2 Mio.  Torsion stress  ± 30 °/m	Bending radius (fixed)	6 x Outer diameter
Traversing distance (C-track) 5 m  Travel speed (C-track) 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 m/s  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	No. of bending cycles (C-track)	1 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 m/s
	No. of torsion cycles	2 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 30 °/m
	Torsion speed	35 cycles/min