

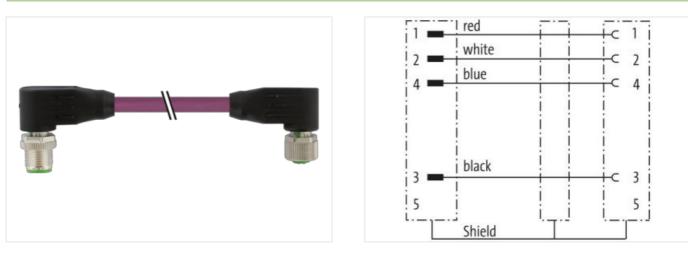
## M12 male 90° / M12 female 90° B-cod. shielded

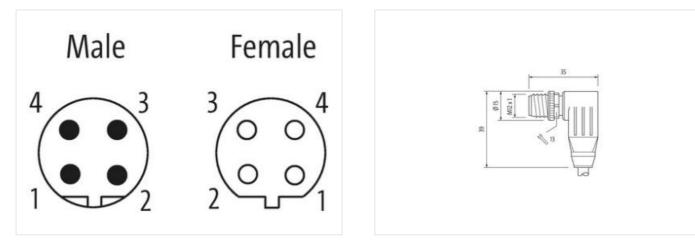
PUR AWG24+22 shielded vt UL/CSA+drag ch. 0.5m

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

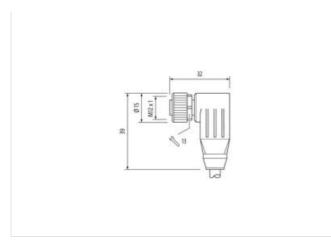






The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-18





Product may differ from Image



Cable length	0,5 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	В
Material	PUR
No. of poles	4
Width across flats	SW13
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	В
Material	PUR
No. of poles	4
Commercial data	
ECLASS-6.0	27061801
ECLASS-6.1	27060307
ECLASS-7.0	27060307
ECLASS-8.0	27060307
ECLASS-9.0	27060307
ECLASS-10.1	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879285391
Packaging unit	1
Electrical data   Supply	

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Cynthing Nodag AC Haa.Cyneraling Nodag AC (UL-Hank)04 VGrenaling Nodag AC (UL-Hank)05 VCurrent Operating Notag AC (UL-Hank)05 VDevice protection J Electrical05 VDevice protection I Electrical05 VDevice protection I Electrical05 VDevice protection I Electrical05 VDevice protection I Electrical05 VDevice protection Rayee08 CNational acoustion protection acynes08 CNational acoustion protection acynes08 CNational acynes (EC 60064 1)1Contant for corrungated fromwithoutMichanical dial I Material data2 mode centringMichanical dial I Material data2 mode centringDevice protection i Inserted, acreved, Shaking protection20 CContanting temperature mane45 COperating temperature mane45 CDevine tation telef90 C </th <th>Operating voltage AC max.</th> <th>60 V</th>	Operating voltage AC max.	60 V
Operating voltage AC (UL lested)     90 V       Operating voltage AC (UL lested)     90 V       Concerned operating per contact max.     4 A       Device protection [Electrical     Period       Device protection [Electrical     Period       Additional condition protection degree     insertide, screwed       Pallution Degree     3       Read surge voltage     1.5 kV       Material group (IEC 8068-1)     1       Mechanical data     Material group (IEC 8068-1)       Control for corringated hose     without       Mechanical data     Material group (IEC 8068-1)       Control for corringated hose     without       Mechanical data     Material group (IEC 8068-1)       Control for corringated hose     without       Mechanical data     Material group (IEC 8068-1)       Control for corringated hose     without       Mechanical data     Material group (IEC 8068-1)       Control for corringated hose     without       Mechanical data     Material group (IEC 8068-1)       Control for corring tor material     So C       Postect Its control for corring tor collas can be and and protection     So C		
Operating per contact max.     4 A       Device protection [Electrical     Electrical       Degice of protection [Electrical     Electrical       Degice of protection [Electrical     Electrical       Degice of protection [Electrical     Electrical       Polution Degree     3       Rated argon [Electrical     Electrical       Machanical ottal     Sinther argon [Electrical       Machanical ottal     Sinther argon [Electrical       Contrar for corrugated hose     without       Machanical ottal     Machanical       Machanical ottal     Machanical       Contrar for corrugated hose     without       Machanical ottal     Machanical       Machanical ottal     Machanical ottal       Mouning mathod     insertial, sortwood, Shaking protection       Environmental characteristics [ Climatic     Contention       Operating temporature max.     85 °C       Operating temporature max.     85 °C       Additional contian negretal     Protect the connectors by suitable measures from machanical bads, e.g. by the usage of cable lise.       Note on staffin relief     Protect the connectors by suitable measures from machanical bads.	1 8 8	
Current operaining per contact max.     4 A       Device of protection (ENEC 6083-)     IP67       Additional condition protection degree     15 AV       Additional condition protection degree     3       Read surge voltage     15 AV       Material group (IEC 6064-1)     1       Mechanical data     Mechanical data       Coasing booking     Nickeled       Locking matching     Nickeled       Locking matching     Nickeled       Locking matching     Nickeled       Locking matching     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Comparing temperature max.       Operating temperature max.     25 °C       Operating temperature max.     25 °C       Operating temperature max.     25 °C       Additional conditions temperature may     25 °C       Operating temperature max.     25 °C       Additional conditions temperature may     25 °C       Operating fadue     Protoct the connectors by suitable measures from mechanical dads, e.g. by the usage of cable files.       Note on sering radiu     DIN EN 01076 2-101 (M12)       Installation (Cable     21/Nis		
Device protection   Electrical       Degree of protection (EN EC 60529)     IP67       Addimail condition protection degree     insertial screwed       Publian Degree     3       Rated surge voltage     1,5 kV       Material group (EC 6064-1)     1       Mechanical data     Unitation (Conditional Mechanical data       Mechanical data     Web       Catality locking     Nickided       Catality locking     Nickided       Catality locking     Nickided       Mechanical data   Mounting data     Mechanical data       Mechanical data     Mechanical data       Material properties     Condensity       Operating temperature min.     -25 r0       Operating temperature min.     -25 r0       Operating temperature min.     -26 r0       Note on bendring radius     Attention: Conservo the primeisphe bandring radii when laying cables, as the IP protection class can be actangered by excessive bendring radii when laying cables, as the IP protecion class can be actangered by excessive bendring r		
Begree of protection (EN IEC 68529)     IP67       Additional condition protection degree     inserted, screwed       Pollation Degree     3       Rated argue vollage     1.5 KV       Material group (IEC 680641)     1       Mechanical data     ////////////////////////////////////		4 A
Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1, KvV       Material group (EC 60664-1)     1       Mechanical data     Control for corrugated hose     without       Mechanical data     Moderial data     Control for corrugated hose     without       Mechanical data     Moderial data     Zonding tocking     Nickeled       Control for corrugated hose     without     Moderial moderial data     Control for corrugated hose     Moderial moderial data       Mounting method     inserted, screwed, Shaking protection     Environmethal characteristics   Gimatic     Corrugated moderial moderial data     Corrugated		
Pelution Dagree     3       Rated surge voltage     1.5 kV       Material group IECE 0606-11)     I       Mechanical data     Image: Comparison of the co		IP67
Rated aurgevoltage     1.5 kV       Material group (EC 80661-1)     I       Mechanical data     Wechanical data       Contour (or corrugated hose     without       Mechanical data     Material data       Costing (osking)     Nickled       Costing (osking)     Nickled <td></td> <td></td>		
Material group (IEC 60664-1)     I       Mechanical data     Vibud:       Contour for corrugated hose     wibud:       Mechanical data [ Meerial data     Exclusion       Coating looking     Nickelod       Coating looking     Nickelod       Mechanical data [ Mounting data     Incertexting       Mechanical data [ Mounting data     Incertexting       Mechanical data [ Mounting data     Incertexting Incert		
Mechanical data     without       Contour for corrugated hose     without       Cacinang locking     Nickeled       Locking material     Zinc die-casting       Mechanical data   Mounting data     inserted, screwed, Shaking protection       Extronomatal characteristics   Climati     inserted, screwed, Shaking protection       Environomatal characteristics   Climati     Correcting temperature main.       -05 °C     Correcting temperature ranse.       Additional condition temperature ranse.     85 °C       Additional condition temperature ranse.     85 °C       Mouting temperature ranse.     85 °C       Additional condition temperature ranse.     85 °C       Mote on strain rollef     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Note on strain rollef     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Attention: Observe: the permissible bording radii when i sying cables, as the IP protection dass can be ending metaly socksobs bording forces.       Conor     Juncket Coor       Yape of Certification     803       Jacket Coor     Volet       Yape of Certification     803       Jacket Coor </td <td></td> <td>1,5 kV</td>		1,5 kV
Contour for corrupted hose     without       Rechanical data   Material data     Conding locking     Nickeled       Conding locking     Nickeled     Conding locking     Nickeled       Lacking material     Zinc die-casting     Meetanical data   Mounting data     Incertexenting       Meuring method     Inserted, sorewed, Shaking protection     Environmental characteristics   Climati       Operating temperature max.     85 °C     Additional condition temperature may     depending on cable quality       Important Installation notes     Meeting on cable quality     Meeting on cable quality       Note on sharin relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tots.       Note on sharin relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tots.       Catormity     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tots.       Cable other filter     Sing of the second bearding forces.       Coloring     Viete the store of the second beard by excessive bearding forces.       Coloring     Sing of the second beard by excessive bearding forces.       Color of the second by excessive bearding tots.     Sing of the second beard by excessive beard by excessive beard beard by exce	Material group (IEC 60664-1)	
Mechanical data   Material data       Coating locking     Nickeled       Locking material     Zinc die casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Extremental characteristics [Climatic     Coating method       Operating temperature min.     -25 °C       Operating temperature min.     -25 °C       Operating temperature min.     -25 °C       Operating inserpature max.     85 °C       Additional condition temperature may.     depending on cable quality       Important installation notes     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conternity     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable los.       Product standard     DIN EN 61076-2-101 (M12).       Installation [Cable     Cable clemification       Gabi demification     803       Jacket Color     violet       Type of Certificate     CJFus       Amount stranding (type 2)     1       Stranding (type 2)     2 Stranded joints twisted       Cable sleiding (type)     copper troint, tinted       Cable sleiding (	Mechanical data	
Calang locking     Nickeled       Lacking material     Zinc clie-casing       Mechanical data   Mounting method     Inserted, screwed, Shaking protection       Environmental characteristics [ Climatic     Inserted, screwed, Shaking protection       Environmental characteristics [ Climatic     Gerating temperature min.     -25 °C       Operating temperature max.     85 °C     Addinoral 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 tes.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes.       Concremity     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes.       Product standard     DIN EN 61076-2:101 (M12)       Installation     Basilation (Cable       Cable identification     803       Jacket Color     violet       Stranding     1       Stranding     2 wires twisted       Amount stranding (type 2)     1       Stranding (type 2)     2 Stranded joints twisted       Cable shielding (corearge)     65 %       Banding (type 2) </td <td>Contour for corrugated hose</td> <td>without</td>	Contour for corrugated hose	without
Locking material     Zinc die-casting       Mechanical data [Mounting data     inserted, screwed, Shaking protection       Environmental characteristics [Climatic     Coperating 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 stain rolief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on stain rolief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on stain rolief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on thending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endagered by excessive bending forces.       Conformity     Eacle Identification     B03       Jacket Colon     Violet     Type of Certificate     CURus       Amount stranding     1     Stranding     Strandeg joints twisted       Cable shielding (type 2)     1     Strandeg joints twisted     Cable shielding (coverage)     65 %	Mechanical data   Material data	
Locking material     Zinc die-casting       Mechanical data [Mounting data     inserted, screwed, Shaking protection       Environmental characteristics [Climatic     Coperating 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 stain rolief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on stain rolief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on stain rolief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on thending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endagered by excessive bending forces.       Conformity     Eacle Identification     B03       Jacket Colon     Violet     Type of Certificate     CURus       Amount stranding     1     Stranding     Strandeg joints twisted       Cable shielding (type 2)     1     Strandeg joints twisted     Cable shielding (coverage)     65 %	Coating locking	Nickeled
Mechanical data   Mounting data       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.     25 °C       Operating temperature min.     25 °C     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     Affention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conomity     Product standard     DIN EN 61076.2-101 (M12)       Installation Cable     Cable identification     803       Jacket Color     violet     7/pe of Certificate     CURus       Amount stranding     1     1     5/randing     2       Stranding     2     wires twisted     2     2       Cable shielding (type 2)     1     5/randing (type 2)     2     5/%       Stranding (type 2)     2     2 stranded joints twisted     2     2       Cable shielding (type)     co		
Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature max.     depending on cable quality       Important installation notes     Constraint relief     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.       Conformity     Installation Coles     Conformity       Product standard     DIN EN 61076-2-101 (M12)     Installation Cole       Cable Identification     803     Jacket Color     violet       Type of Certificate     CJRUS     Amount stranding (Mpe 2)     I       Stranding (type 2)     1     Strandog (type 2)     Strandog (type 2)     Strandog (type 2)     I       Drain wire (cross-section)     22 AWG     Insert stranding (type 2)     I     Image: stranding (type 2)     Strandog (type 2)     Strandog (type 2)		
Environmental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important insiallation notes     Important insiallation notes       Note on strain relief     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     Cable identification     803       Jacket Color     violet     Type of Cartificate       Orper violet     UBURS     Cable identification       Amount stranding (type 2)     1     Stranding       Stranding (type 2)     2 stranded joints twisted     Cable shielding (coverage)       Banding     Foil     Cable vielgh     Cable vielgh       Orper fraid, tinned     Cable vielgh     Cable vielgh     Cable vielgh       Cable vielgh     63,12 g/m     Cable vielgh     Cable vielgh       Cable vielgh     63		incorted correlated Shaking protection
Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Note on strin relief       Note on strin 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 endingered by excessive bending forces.       Conformity     Product standard       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     Cable identification       2acket Color     violet       Type of Cartificate     cJRus       Amount stranding     1       Stranding (type 2)     1       Stranding (type 2)     2 Stranded joints twisted       Cable shielding (coverage)     65 %       Banding     Foil       Drain wire (cross-section)     22 AWG       wire arangement     (white, blue), (black, red)       Cable weigh     63 : 12 g/m       Material jacket     PUR       Shore A     Preadom invectores is packet       Poil = Shore A     P	-	Inserted, screwed, Snaking 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.       Contomity     Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     Cable identification     803       Jacket Color     violet     Type of Certificate       Offcrificate     cURus     Amount stranding       Amount stranding     1     Stranding       Stranding     2 wires twisted       Adale (opting (type 2)     1 Stranding (type 2)       Cable identification     65 %       Banding     Foil       Drian wire (cross-section)     22 AWG       wire arrangement     (white, blue), (black, red)       Cable weight     63.12 g/m       Material jacket     PUR       Shore A     Freedom form ingredients (jacket)       Freedom form ingredients (jacket)     6.9 mm	Environmental characteristics   Climatic	
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.     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     Cable identification   803     Jacket Color   violet     Type of Certificate   cURus     Amount stranding   1     Stranding (type 2)   1     Stranding (type 2)   2 Stranded joints twisted     Cable shielding (coverage)   65 %     Banding   Foil     Wrier arrangement   (white, blue), (black, red)     Gable weigh   63,12 g/m     Material jacket   PUR     Shore hardness jacket   90 ± 5 %/o     Outer diamete	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.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be ending radius       Conformity     Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     203     204       Cable identification     803     204       Jacket Color     violet     709       Type of Certificate     cURus     Amount stranding       Amount stranding     1     1       Stranding (type 2)     1     2       Stranding (type 2)     2 Stranded joints twisted     200       Cable shielding (type)     copper braid, tinned     201       Cable shielding (type)     copper braid, tinned     201       Cable shielding (type)     2 Strande joints twisted     201       Cable shielding (type)	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.       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     Coll     Coll       Cable identification     803     Coll       Jacket Color     violet     Coll       Type of Certificate     cURus     Coll       Amount stranding     1     Stranding     Stranding       Stranding (type 2)     1     Stranding (type 2)     1       Stranding (type 2)     2 Stranded joints twisted     Cable shielding (coverage)     65 %       Banding     Foil     Corestore traid, tinned     Cable shielding (coverage)     65 %       Banding     Foil     Content (white, blue), (black, red)     Cable weigth     63.12 g/m       Material jacket     PUR     Shore Aartnees jacket     90 ± 5 Shore A     Freedom from ingredients (jacket)     Image: CPC-free, halogen-free, silicone-free       Outer-diameter (jacket)     6.9 mm     Simage: CPC-free, h	Additional condition temperature range	depending on cable quality
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.       Contormity     Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     Coldentification     803       Jacket Color     violet     Coldentification     Stranding       Jacket Color     violet     Coldentification     Stranding     1       Stranding     1     Stranding     1     Stranding     1       Stranding (type 2)     1     Stranding (type 2)     2 Stranded joints twisted     Cable shielding (type 2)     1       Stranding (type 2)     2 Stranded joints twisted     Cable shielding (type)     Cooper braid, tinned     Cable shielding (type)     Cooper braid, tinned       Cable shielding (type)     Cooper braid, tinned     Cable shielding (type)     Cooper braid, tinned       Cable weigh     63.12 g/m     Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A     Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Cuber-diameter (jacket)     6.9 mm <td>Important installation notes</td> <td></td>	Important installation notes	
Note on bending radius   endangered by excessive bending forces.     Conformity     Product standard   DIN EN 61076-2-101 (M12)     Installation   Cable   Cable identification   803     Jacket Color   violet   Type of Carificate   cURus     Amount stranding   1   1   1     Stranding   2 wires twisted   Amount stranding (type 2)   1     Stranding (type 2)   1 stranding (type 2)   1     Stranding (type 2)   2 Stranded joints twisted   2     Cable shielding (coverage)   65 %   6     Banding   Foil   2   2     Drain wire (cross-section)   22 AWG   wire arrangement   (white, blue), (black, red)     Cable weigth   63.12 g/m   3.12 g/m   3     Shore hardness jacket   PUB   5   5     Shore hardness jacket   90 ± 5 Shore A   5%   3     Freedom from ingredients (jacket)   6.9 mm   5%   3     Auterul wire insulation   PE   Amount wires   2   4     Outer diameter (jacket)   5.9 mm   5%   3   3   3	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standardDIN EN 61076-2-101 (M12)Installation   CableCable identification803Jacket ColorvioletType of CertificatecURusAmount stranding1Stranding (type 2)2 wires twistedAmount stranding (type 2)1Stranding (type 2)2 Stranded joints twistedCable shielding (type 3)2 Stranded joints twistedCable shielding (type 4)Copper braid, tinnedCable shielding (type)copper braid, tinnedCable shielding (type)22 AWGwire arrangement(white, blue), (black, red)Cable weigth63,12 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter diameter (jacket)6.9 mmTolerance outer diameter (sheath)± 5 %Amount wires2Outer diameter insulationPEAmount wires2Outer diameter insulation2,1 mm	Note on bending radius	
Installation   CableCable identification803Jacket ColorvioletType of CertificatecURusAmount stranding1Stranding2 wires twistedAmount stranding (type 2)1Stranding (type 2)2 Stranded joints twistedCable shielding (type 2)2 Stranded joints twistedCable shielding (coverage)65 %BandingFoilDrain wire (cross-section)22 AWGwire arrangement(white, blue), (black, red)Cable weigth63,12 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5 %Material wire insulationPEAmount wires2Outer diameter (sheath)± 5 %Material wire insulation21, mm	Conformity	
Cable identification803Jacket ColorvioletType of CertificatecURusAmount stranding1Stranding2 wires twistedAmount stranding (type 2)1Stranding (type 2)2 Stranded joints twistedCable shielding (type 2)2 Stranded joints twistedCable shielding (type 2)65 %BandingFoilDrain wire (cross-section)22 AWGwire arrangement(white, blue), (black, red)Cable weigth63,12 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)6,9 mmOuter cliameter (jacket)4,5 %Material wire insulationPEAmount wires2Quer cliameter insulation2,1 mm	Product standard	DIN EN 61076-2-101 (M12)
Jacket ColorvioletType of CertificatecURusAmount stranding1Stranding2 wires twistedAmount stranding (type 2)1Stranding (type 2)2 Stranded joints twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)65 %BandingFoilDrain wire (cross-section)22 AWGwire arrangement(white, blue), (black, red)Cable weigth63,12 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)6.9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPEAmount wires2Quter diameter insulation2,1 mm	Installation   Cable	
Type of CertificatecURusAmount stranding1Stranding2 wires twistedAmount stranding (type 2)1Stranding (type 2)2 Stranded joints twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)65 %BandingFoilDrain wire (cross-section)22 AWGwire arrangement(white, blue), (black, red)Cable weigth63,12 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (sheath)± 5 %Material wire insulationPEAmount wires2Outer diameter insulation2,1 mm	Cable identification	803
Amount stranding1Stranding2 wires twistedAmount stranding (type 2)1Stranding (type 2)2 Stranded joints twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)65 %BandingFoilDrain wire (cross-section)22 AWGwire arrangement(white, blue), (black, red)Cable weigth63,12 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)6,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPEAmount wires2Quter diameter insulation2,1 mm	Jacket Color	violet
Stranding2 wires twistedAmount stranding (type 2)1Stranding (type 2)2 Stranded joints twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)65 %BandingFoilDrain wire (cross-section)22 AWGwire arrangement(white, blue), (black, red)Cable weigth63,12 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)6,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPEAmount wires2Quter diameter insulation2,1 mm	Type of Certificate	cURus
Amount stranding (type 2)1Stranding (type 2)2 Stranded joints twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)65 %BandingFoilDrain wire (cross-section)22 AWGwire arrangement(white, blue), (black, red)Cable weigth63,12 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter diameter (jacket)45 %Material wire insulationPEAmount wires2Quter diameter insulation2,1 mm	Amount stranding	1
Stranding (type 2)2 Stranded joints twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)65 %BandingFoilDrain wire (cross-section)22 AWGwire arrangement(white, blue), (black, red)Cable weigth63,12 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)6,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPEAmount wires2Outer diameter insulation2,1 mm	Stranding	2 wires twisted
Cable shielding (type)copper braid, tinnedCable shielding (coverage)65 %BandingFoilDrain wire (cross-section)22 AWGwire arrangement(white, blue), (black, red)Cable weigth63,12 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)6,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPEAmount wires2Outer diameter insulation2,1 mm	Amount stranding (type 2)	1
Cable shielding (coverage)65 %BandingFoilDrain wire (cross-section)22 AWGwire arrangement(white, blue), (black, red)Cable weigth63,12 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)6,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPEAmount wires2Outer diameter insulation2,1 mm	Stranding (type 2)	2 Stranded joints twisted
BandingFoilDrain wire (cross-section)22 AWGwire arrangement(white, blue), (black, red)Cable weigth63,12 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)6,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPEAmount wires2Outer diameter insulation2,1 mm	Cable shielding (type)	copper braid, tinned
Drain wire (cross-section)22 AWGwire arrangement(white, blue), (black, red)Cable weigth63,12 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)6,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPEAmount wires2Outer diameter insulation2,1 mm	Cable shielding (coverage)	65 %
wire arrangement(white, blue), (black, red)Cable weigth63,12 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)6,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPEAmount wires2Outer diameter insulation2,1 mm	Banding	Foil
Cable weigth63,12 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)6,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPEAmount wires2Outer diameter insulation2,1 mm	Drain wire (cross-section)	22 AWG
Material jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)6,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPEAmount wires2Outer diameter insulation2,1 mm	wire arrangement	(white, blue), (black, red)
Shore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)6,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPEAmount wires2Outer diameter insulation2,1 mm		63,12 g/m
Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)6,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPEAmount wires2Outer diameter insulation2,1 mm	Material jacket	PUR
Outer-diameter (jacket) 6,9 mm   Tolerance outer diameter (sheath) ± 5 %   Material wire insulation PE   Amount wires 2   Outer diameter insulation 2,1 mm	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PE     Amount wires   2     Outer diameter insulation   2,1 mm	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulationPEAmount wires2Outer diameter insulation2,1 mm	Outer-diameter (jacket)	6,9 mm
Amount wires 2   Outer diameter insulation 2,1 mm	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation 2,1 mm	Material wire insulation	PE
	Amount wires	2
Outer diameter tolerance core insulation ± 5 %	Outer diameter insulation	-
	Outer diameter tolerance core insulation	± 5 %

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: 2024-05-18



Ingredient freeeness wire insulation     Ised free, CFC-free, halogen-free       Annount strands (wire)     19       Dimeter at single wires     24 AWG       Conductor crosssection (wire)     24 AWG       Data wire (cross section)     24 AWG       Data wire (cross section)     22 AWG       Material single wires     Opper strandod wire, linned       Electrical function wire     Data       Material wire insulation (Data)     1,5 mm       Outer diameter wire insulation (Data)     1,6 mm       Ingredient freeness wire insulation (Data)     19       Daracter of single wires (Data)     2       Annount strands wire (Data)     2       Conductor crosssection wire (Data)     22 AWG       Conductor versessection wire (Data)     20 WG       Conductor versessection wire (Data)     20 AWG       Contern toat capacity (strandard)     50 P       Contern toat capacity (strandard)     50 P       Current dat capacity (strandard)     50 A	Shore hardness wire insulation	64 ± 5 Shore D
Dameter of single wires     24 AWG       Conductor crosssection (wire)     24 AWG       Data wire (cross-section)     22 AWG       Material conductor wire     copper stranded wire, timed       Electrical function wire     Data       Material wire insulation (Data)     PE       Outer diameter wire insulation (Data)     1.5 mm       Tolerance outer diameter wire insulation (Data)     1.8 mm       Ingredient freeness wire insulation (Data)     1.8 dree. CFC-free, halogen-free       Amount strands wire (Data)     2       Monunt strands wire (Data)     2       Orductor crosssection wire (Data)     22 AWG       Conductor crosssection wire (Data)     copper stranded wire, timed       Electrical function wire (Data)     power       Tavaring distance (C-track)     5 m       Normat voltage AC max.     300 V       Current toad copacity min. Were (Data)     6 A       Electrical function wire (data)     Power       Characetopacity min. Were (Data) <t< td=""><td>Ingredient freeness wire insulation</td><td>lead-free, CFC-free, halogen-free</td></t<>	Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Conductor crossection (wire)     24 AWG       Drain wire (cross-section)     22 AWG       Material conductor wire     Data       Material struction wire     Data       Conduct dimenter wire insulation (Data)     1.5 mm       Tolerance outer diameter wire insulation (Data)     1.5 mm       Tolerance outer diameter wire insulation (Data)     2.5 Mm       Ingredient Freeness wire insulation (Data)     2.2 AWG       Conductor wire (Data)     0.0 DN VE 0298-4       Current load capacity (standard)     D DIN VE 0298-4       Current load capacity (standard)     D DIN VE 0298-4       Current load capacity (standard)     D DIN VE 0289-4       Current load capacity (standard)     D DIN VE 0.	Amount strands (wire)	19
Drain wire (cross-section)     22 AWG       Material conductor wire     copper stranded wire, tinned       Electrical function wire     Data       Material conductor wire     Data       Outer diameter wire insulation (Data)     PE       Outer diameter wire insulation (Data)     1,5 mm       Toerance outer diameter wire insulation (Data)     12 SM       Ingredient tereness wire insulation (Data)     12 SM       Amount strands wire (Data)     19       Diameter or single wires (Data)     22 AWG       Conductor crossection wire (Data)     22 AWG       Material conductor wire (Data)     copper stranded wire, inned       Electrical function wire (data)     Power       Traversing distance (C-track)     5 m       Nominal voltage AC max.     300 V       Current load capacity min. wire     4.5 A       Current load capacity min. wire     Data       Electrical function wire (data)     Power       Characteristic impedance     120 Q ± 10 % @ 1 MHz       Electrical resistance costing wire (Data)     54 O/M       Electrical function wire (data)     Power       Charactepacity entints.     70 % O </td <td>Diameter of single wires</td> <td>24 AWG</td>	Diameter of single wires	24 AWG
Material conductor wire     copper stranded wire, tinned       Electrical function wire     Data       Material wire insulation (Data)     PE       Outer diameter wire insulation (Data)     1.5 mm       Tolerance outer diameter wire insulation (Data)     1.5 mm       Toreance outer diameter wire insulation (Data)     1.5 mm       Toreance outer diameter wire insulation (Data)     1.5 mm       Toreance swire insulation (Data)     1.5 mm       Toreance swire insulation (Data)     2.2 AVG       Amount strands wire (Data)     2.2 AVG       Conductor crossection wire (Data)     2.2 AVG       Conductor vire (Data)     2.2 AVG       Conductor vire (Data)     2.2 AVG       Conductor vire (Data)     Power       Traversing distance (C+rock)     5 m       Nominal voltage AC max.     300 V       Current load capacity min. Wire     4.5 A       Current load capacity min. Wire (Data)     6 A       Electrical function wire (data)     Power       Taraversing interpedance     12.0 L 10 % @ 1 MHz       Electrical resistance contagrity wire (Data)     5 A OXm       Current load capacity min. Wire (Data)     5	Conductor crosssection (wire)	24 AWG
Electrical function wire (bate diameter wire insulation (Data)     Data       Oter diameter wire insulation (data)     1.5 mm       Tolerance outer diameter wire insulation (data)     1.5 mm       Tolerance outer diameter wire insulation (data)     1.5 mm       Amourt wire (Data)     2       Amourt wire (Data)     2       Amourt wire (Data)     2       Consult of the consection wire (Data)     22       Material conductor wire (Data)     22       Consult or consection wire (Data)     22       Material conductor wire (Data)     000000000000000000000000000000000000	Drain wire (cross-section)	22 AWG
Material wire insulation (Data)     PE       Outer diameter wire insulation (Data)     1.5 mm       Tolar diameter wire insulation (Data)     1.5 mm       Ingredient freeness wire insulation (Data)     lead-free, CFC-free, halogen-free       Amount strands wire (Data)     2       Amount strands wire (Data)     19       Diameter of single wires (Data)     22 AWG       Conductor crossection wire (Data)     22 AWG       Material conductor wire (Data)     22 AWG       Conductor crossection wire (Data)     coper stranded wire, tinned       Electrical function wire (data)     Power       Traversing distance (C-track)     5 m       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 028e-4       Current load capacity min. wire     4.5 A       Current load capacity min. wire (Data)     6 A       Electrical function wire (data)     Power       Caracteristic inspectance     120 0 2 10 % @ 1 MHz       Electrical seistance line constant wire     78 C/km       AC withstand voltage (wire - wire)     2 kV @ 60 s       Min. operating temperature (state)     40 °C       Min. operating	Material conductor wire	copper stranded wire, tinned
Outer dameter wire insulation (Data)     1,5 mm       Tolerance outer dameter wire insulation (Data)     153 %       Ingrodient freeness wire insulation (Data)     153 %       Amount wires (Data)     2       Amount wires (Data)     2       Amount wires (Data)     2       Conductor crossection wire (Data)     22 AWG       Conductor wire (Data)     22 AWG       Conductor wire (Data)     22 AWG       Conductor wire (Data)     0 opper stranded wire, linned       Electrical function wire (data)     5 n       Nomina voltage AC max.     300 V       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     4 S A       Current load capacity min. Wire (Data)     6 A       Electrical resistance line constant wire     78 Q/km       Electrical resistance coating wire (Data)     6 A Q/km       Ad withstand voltage (wire - wire)     2 kV @ 60 s       Electrical resistance Coating wire (Data)     4 Q/km       Coperating temperature (static)     40 ° C </td <td>Electrical function wire</td> <td>Data</td>	Electrical function wire	Data
Tolerance outer diameter wire insulation (data)   ± 53 %     Ingredient freeness wire insulation (Data)   Lead-free, CPC-free, halogen-free     Amount stands wire (Data)   2     Diameter of single wires (Data)   22 AWG     Conductor crossection wire (Data)   22 AWG     Material conductor wire (Data)   22 AWG     Material conductor wire (Data)   20 poor stranded wire, inned     Electrical function wire (Data)   Power     Traversing distance (C-track)   5 m     Nominal votage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. Wire   4.5 A     Current load capacity min. Wire (Data)   6 A     Electrical function wire (data)   Power     Characteristic impedance   120 Q± 10 % @ 1 MHz     Electrical resistance contain wire   78 QKm     AC withstand votage (wire - shield)   2 kV @ 80 s     Electrical resistance   40000 pF/km     AC withstand votage (wire - shield)   2 kV @ 80 s     Max. operating temperature (static)   40 °C     Max. operating temperature (static)   40 °C <	Material wire insulation (Data)	PE
Ingredient freeness wire insulation (Data)     lead-free, CFC-free, halogen-free       Amount strand wire (Data)     2       Amount strand wire (Data)     19       Diameter of single wires (Data)     22 AWG       Conductor crossection wire (Data)     22 AWG       Material conductor wire (Data)     22 AWG       Electrical function wire (Data)     Power       Traversing distance (C-track)     5 m       Nominal voltage AG max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     Data       Electrical function wire (data)     Power       Chrent load capacity min. Wire (Data)     6 A       Electrical resistance coating wire (Data)     F3 ΩKm       Electrical resistance line constant wire 78 ΩKm       Electrical resistance     4000 pF/km       AC withstand voltage (wire - wire)     2 KV @ 60 s       Electrical resistance     400 °C       Max. operating temperature (fixed)     80 °C       Operating temperature (fixed)     80 °C </td <td>Outer diameter wire insulation (Data)</td> <td>1,5 mm</td>	Outer diameter wire insulation (Data)	1,5 mm
Amount wires (Data)   2     Amount strands wire (Data)   19     Diameter of single wires (Data)   22 AWG     Conductor crossection wire (Data)   22 AWG     Material conductor wire (Data)   copper stranded wire, tinned     Electrical function wire (data)   Power     Traversing distance (C-track)   5 m     Nominal voltage AC max.   300 V     Current load capacity (stinadard)   to DIN VDE 0298-4     Current load capacity (stinadard)   to DIN VDE 0298-4     Current load capacity (stinadard)   to DIN VDE 0298-4     Current load capacity (min. wire   4.5 A     Current load capacity (min. wire   4.5 A     Current load capacity (min. wire (Data)   6 A     Electrical function wire   Data     Electrical function wire (Data)   Fower     Characteristic impedance   120 $\pm$ 10 % @ 1 MHz     Electrical resistance conting wire (Data)   54 Q/km     AC withstand voltage (wire - wire)   2 kV @ 60 s     Electric apacitance   40000 pF/km     AC withstand voltage (wire - shield)   2 N' @ 60 s     Max. operating temperature (static)   40 °C     Max. operating temperature (sta	Tolerance outer diameter wire insulation (data)	± 53 %
Amount stands wire (Data)   19     Dameter of single wires (Data)   22 AWG     Conductor crossection wire (Data)   22 AWG     Material conductor wire (Data)   copper stranded wire, tinned     Electrical function wire (data)   Power     Traversing distance (C+rack)   5 m     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     Electrical function wire (data)   Power     Characteristic impedance   120 Ω ± 10 % Ø 1 MHz     Electrical resistance coating wire (Data)   6 A     Electrical resistance constant wire   78 Ω/km     Electrical capacitance   40000 pF/km     AC withstand voltage (wire - wire)   2 kV Ø 60 s     Electric capacitance   40000 pF/km     AC withstand voltage (wire - shield)   80 °C     Operating temperature (fixed)   80 °C     Operating temperature (max. (dynamic)   -30 °C     Poreating temperature (max. (dynamic)   70 °C     Flame resistance   Good, applicatio	Ingredient freeness wire insulation (Data)	lead-free, CFC-free, halogen-free
Diameter of single wires (Data)     22 AWG       Conductor crossection wire (Data)     copper stranded wire, tinned       Electrical function wire (data)     Power       Traversing distance (C-track)     5 m       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     6 A       Electrical function wire (data)     Power       Clarrent load capacity (standard)     6 A       Electrical function wire (data)     Power       Characteristic impedance     120 Ω ± 10 % @ 1 MHz       Electrical function wire (data)     Power       Characteristic impedance     120 Ω ± 10 % @ 1 MHz       Electrical resistance line constant wire     78 Ω/km       Electrical resistance line constant wire     78 Ω/km       Electrical resistance line constant wire     2 kV @ 60 s       Electrical presence conting wire (Data)     54 Ω/km       Ac withstand voltage (wire - shield)     2 kV @ 60 s       Min. operating temperature (stalc)     4.0 °C       Max. operating temperature (stalc)     30 °C       Operating temperature min. (dynamic)     30 °C <td< td=""><td>Amount wires (Data)</td><td>2</td></td<>	Amount wires (Data)	2
Conductor crosssection wire (Data)   22 AWG     Material conductor wire (Data)   copper stranded wire, tinned     Electrical function wire (data)   Power     Traversing distance (C-track)   5 m     Nominal voltage AC max.   300 V     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 (data)   Power     Characteristic impedance   120 Ω ± 10 % @ 1 MHz     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 line constant wire   78 Ω/km     AC withstand voltage (wire - wire)   2 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Querating temperature (static)   -40 °C     Gasoline resistance   Good, application-related testing     Gasoline resistance   Good, application-r	Amount strands wire (Data)	19
Material conductor wire (Data)     copper stranded wire, tinned       Electrical function wire (data)     Power       Traversing distance (C-track)     5 m       Nominal voltage AC max.     300 V       Current load capacity min. wire     4,5 A       Current load capacity min. Wire (Data)     6 A       Electrical function wire (data)     Power       Electrical function wire (data)     Power       Electrical function wire (data)     Power       Characteristic impedance     120 Ω ± 10 % @ 1 MHz       Electrical function wire (data)     Power       Characteristic impedance     120 Ω ± 10 % @ 1 MHz       Electrical resistance line constant wire     78 Ω/km       Electrical resistance line constant wire     78 Ω/km       Electrical resistance line constant wire     2 kV @ 60 s       Electric apacitance     40000 pF/km       AC withstand voltage (wire - shield)     2 kV @ 60 s       Min. operating temperature (fixed)     80 °C       Operating temperature (fixed)	Diameter of single wires (Data)	22 AWG
Electrical function wire (data)     Power       Traversing distance (C-track)     5 m       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 traction wire (data)     Power       Characteristic impedance     120 Ω ± 10 % @ 1 MHz       Electrical traction wire (data)     Power       Characteristic impedance     120 Ω ± 10 % @ 1 MHz       Electrical resistance line constant wire     78 Ω/km       Electrical resistance outing wire (Data)     54 Q/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 (stacd)     -40 °C       Max. operating temperature (stacd)     -30 °C       Operating temperature (stacd)     -30 °C       Operating temperature (stacd)     -30 °C       Operating temperature (stacd)	Conductor crosssection wire (Data)	22 AWG
Traversing distance (C-track)5 mNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 ACurrent load capacity min. Wire (Data)6 AElectrical function wireDataElectrical function wire (data)PowerCharacteristic impedance120 Ω ± 10 % @ 1 MHzElectrical resistance coating wire (Data)54 Ω/kmAC withstand voltage (wire - wire)2 kV @ 60 sElectrical resistance coating wire (Data)2 kV @ 60 sElectrical resistance (static)-40 °CMin. operating temperature (static)-40 °CMax. operating temperature (static)-30 °COperating temperature (fixed)80 °CCoperating temperature (fixed)80 °CCoperating temperature (fixed)-30 °COperating temperature (fixed)-30 °COperating temperature (fixed)Good, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceDin NEN 60811-404 [ Good, application-related testingGasoline resistanceDin NEN 60811-404 [ Good, application-related testingGasoline resistanceDin NEN 60811-404 [ Good, application-related testingBending radius (installation)x Outer diameterBending radius (dynamic)10 x Outer diameterBending radius (dynamic)10 x Outer diameterTarvel speed (C-track)1 Mio.No. of torsion cycles2 Mio.Torsion stress± 30 °/m	Material conductor wire (Data)	copper stranded wire, tinned
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       Electrical function wire (data)     Power       Characteristic impedance     120 Ω ± 10 % @ 1 MHz       Electrical function wire (Data)     54 Ω/km       Electrical resistance line constant wire     78 Ω/km       Electrical resistance     2 kV @ 60 s       Min. operating temperature (static)     -40 °C       Max. operating temperature (fixed)     80 °C       Operating temperature (ixed)     80 °C       Operating temperature (max. (dynamic)     -30 °C       Flame resistance     UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090	Electrical function wire (data)	Power
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 ACurrent load capacity min. Wire (Data)6 AElectrical function wireDataElectrical function wire (data)PowerCharacteristic impedance120 $\Omega \pm 10 \% @ 1$ MHzElectrical runction wire (Data)54 $\Omega$ /kmElectrical resistance coating wire (Data)54 $\Omega$ /kmAC withstand voltage (wire - wire)2 kV @ 60 sElectrical resistance coating wire (Static)40 °CMax. operating temperature (tixed)80 °COperating temperature (tixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame esistanceGood, application-related testingOil resistanceDN Ko 60 (a, application-related testingGasoline resistanceDN Ko 60 (a, application-related testingOil resistanceU Sodd, application-related testingOil resistanceDiv Ko 60 (a, application-related testingOil resistanceDiv Ko 60 (a, application-related testingOil resistanceDiv Ko 60 (a, application-related testingOil resistanceDiv Ko (a) (application-related testingOil resistanceDiv Cuter diameterBending radius (installation)x Outer diameterBending radius (installation)K Outer diameterBending radius (installation)10 x Outer diameterBending radius (installation)10 x Outer diameterBending radius (installation)10 ko.No. of torsion cy	Traversing distance (C-track)	5 m
Current load capacity min. wire $4,5$ ACurrent load capacity min. Wire (Data) $6$ AElectrical function wireDataElectrical function wire (data)PowerCharacteristic impedance $120 \Omega \pm 10 \% @ 1$ MHzElectrical resistance line constant wire $78 \Omega km$ Electrical resistance coating wire (Data) $54 \Omega km$ Electrical resistance coating wire (Data) $54 \Omega km$ Ac withstand voltage (wire - wire) $2 kV @ 60 s$ Electrical respective coating temperature (static) $-40 \ °C$ Max. operating temperature (static) $-40 \ °C$ Max. operating temperature (static) $-40 \ °C$ Operating temperature min. (dynamic) $-30 \ °C$ Operating temperature min. (dynamic) $70 \ °C$ Flame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (installation)x Outer diameterBending radius (fixed) $6 \times Outer diameter$ Bending radius (fixed) $10 \times Outer diameter$ Bending radius (fixed) $10 \times Outer diameter$ Tarvel speed (C-track)1 Mio.No. of torsion cycles $2$ Mio.Torsion stress $\pm 30 \ r/m$	Nominal voltage AC max.	300 V
Current load capacity min. Wire (Data) $6 \text{ A}$ Electrical function wireDataElectrical function wire (data)PowerCharacteristic impedance $120 \Omega \pm 10 \% \oplus 1 \text{ MHz}$ Electrical resistance ine constant wire $78 \Omega km$ Electrical resistance coating wire (Data) $54 \Omega km$ AC withstand voltage (wire - wire) $2 kV \oplus 60 s$ Electric capacitance $40000 \text{ pF/km}$ AC withstand voltage (wire - shield) $2 kV \oplus 60 s$ Min. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature (fixed) $80 °C$ Operating temperature (min. (dynamic))-30 °CCoperating temperature min. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline 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) $6 \times Outer diameter$ Bending radius (fixed) $10 \times Outer diameter$ Bending radius (fixed) $10 \times Outer diameter$ Tarvel speed (C-track)1 Mio.No. of torsion cycles2 Mio.Torsion stress $\pm 30 °/m$	Current load capacity (standard)	to DIN VDE 0298-4
Electrical function wire Data   Electrical function wire (data) Power   Characteristic impedance 120 Ω ± 10 % @ 1 MHz   Electrical resistance line constant wire 78 Ω/km   Electrical resistance coating wire (Data) 54 Ω/km   AC withstand voltage (wire - wire) 2 k/ @ 60 s   Electrical resistance 40000 pF/km   AC withstand voltage (wire - shield) 2 k/ @ 60 s   Ko withstand voltage (wire - shield) 2 k/ @ 60 s   Min. operating temperature (static) -40 °C   Max. operating temperature (static) -40 °C   Max. operating temperature (static) -30 °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   Oil resistance DIN EN 6081-404   Good, application-related testing   Bending radius (installation) x Outer diameter   Bending radius (installation) x Outer diameter   Bending radius (dynamic) 10 x Outer diameter   Travel speed (C-track) 1 Mio.   No. of torsion cycles 2 Mio.   Torsion stress ± 30 °/	Current load capacity min. wire	4,5 A
Electrical function wire (data)PowerCharacteristic impedance $120 \Omega \pm 10 \% @ 1 \text{ MHz}$ Electrical resistance line constant wire $78 \Omega/\text{km}$ Electrical resistance coating wire (Data) $54 \Omega/\text{km}$ AC withstand voltage (wire - wire) $2 \text{ kV } @ 60 \text{ s}$ Electric capacitance $40000 \text{ pF/km}$ AC withstand voltage (wire - shield) $2 \text{ kV } @ 60 \text{ s}$ Min. operating temperature (static) $-40 \degree \text{C}$ Max. operating temperature (static) $-40 \degree \text{C}$ Max. operating temperature (fixed) $80 \degree \text{C}$ Operating temperature max. (dynamic) $-30 \degree \text{C}$ Operating temperature max. (dynamic) $70 \degree \text{C}$ Flame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (installation)x Outer diameterBending radius (fixed) $6 \times Outer diameter$ Bending radius (fixed) $6 \times Outer diameter$ Travel speed (C-track)1 Mio.No. of torsion cycles2 Mio.Torsion stress $\pm 30 \degree/m$	Current load capacity min. Wire (Data)	6 A
Characteristic impedance   120 Ω ± 10 % @ 1 MHz     Electrical resistance line constant wire   78 Ω/km     Electrical resistance coating wire (Data)   54 Ω/km     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     Qperating temperature (ixed)   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 (fixed)   6 x Outer diameter     Travel speed (C-track)   1 Mio.     No. of torsion cycles   2 Mio.     Torsion stress   ± 30 °/m	Electrical function wire	Data
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     Electric capacitance   40 °C     Max. 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     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   6 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     Travel speed (C-track)   1 Mio.     No. of torsion cycles   2 Mio.     Torsion stress   ± 30 °/m	Electrical function wire (data)	Power
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   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (installation)   x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     Travel speed (C-track)   1 Mio.     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   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (installation)   x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     Travel speed (C-track)   1 Mio.     No. of torsion cycles   2 Mio.     Torsion stress   ± 30 °/m	Electrical resistance line constant wire	78 Ω/km
Electric capacitance40000 pF/kmAC withstand voltage (wire - shield)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (installation)x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)1 Mio.No. of torsion cycles2 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     Travel speed (C-track)   1 Mio.     No. of torsion cycles   2 Mio.     Torsion stress   ± 30 °/m	AC withstand voltage (wire - wire)	2 kV @ 60 s
Min. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, 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 diameterTravel speed (C-track)1 Mio.No. of torsion cycles2 Mio.Torsion stress± 30 °/m	Electric capacitance	40000 pF/km
Max. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (installation)x Outer diameterBending radius (dynamic)10 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)1 Mio.No. of torsion cycles2 Mio.Torsion stress± 30 °/m	AC withstand voltage (wire - shield)	2 kV @ 60 s
Max. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (installation)x Outer diameterBending radius (dynamic)10 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)1 Mio.No. of torsion cycles2 Mio.Torsion stress± 30 °/m		-40 °C
Operating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, 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 diameterTravel speed (C-track)1 Mio.No. of torsion cycles2 Mio.Torsion stress± 30 °/m		0° 08
Operating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, 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 diameterTravel speed (C-track)1 Mio.No. of torsion cycles2 Mio.Torsion stress± 30 °/m	Operating temperature min. (dynamic)	-30 °C
chemical resistanceGood, application-related testingGasoline resistanceGood, 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 diameterTravel speed (C-track)1 Mio.No. of torsion cycles2 Mio.Torsion stress± 30 °/m		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     Travel speed (C-track)   1 Mio.     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     Travel speed (C-track)   1 Mio.     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     Travel speed (C-track)   1 Mio.     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     Travel speed (C-track)   1 Mio.     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     Travel speed (C-track)   1 Mio.     No. of torsion cycles   2 Mio.     Torsion stress   ± 30 °/m	Bending radius (installation)	x Outer diameter
Travel speed (C-track) 1 Mio.   No. of torsion cycles 2 Mio.   Torsion stress ± 30 °/m	Bending radius (fixed)	6 x Outer diameter
No. of torsion cycles 2 Mio.   Torsion stress ± 30 °/m	Bending radius (dynamic)	10 x Outer diameter
No. of torsion cycles 2 Mio.   Torsion stress ± 30 °/m	Travel speed (C-track)	1 Mio.
Torsion stress ± 30 °/m	No. of torsion cycles	2 Mio.
	-	± 30 °/m

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