

1

2

3

Δ

5

6

7

8

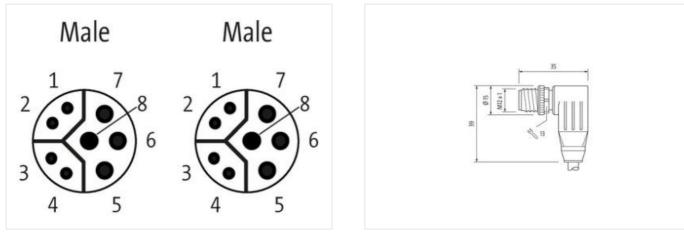
M12 male 90° / M12 male 90° Y-cod. shielded

PUR AWG20/26 shielded bk UL/CSA+drag ch. 10m

Ethernet CAT5 Male 90° – male 90° M12 – M12, 8-pole Y-coded shielded Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

Link to Product





Product may differ from Image



Cable length

10 m

Side 1

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: 2024-06-26



Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
Coding	Y
Material	PUR
Width across flats	SW13
Side 2	
Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
Coding	Y
Material	PUR
Commercial data	
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
customs tariff number	85444290
GTIN	4065909041918
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	50 V
Operating voltage DC max.	50 V
Operating voltage DC max. (UL-listed)	30 V
Operating current per data contact max.	0,5 A
Operating current per power contact max.	6 A
Industrial communication	
Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Data transmission rate max.	100 MBit/s
Industrial communication Ethernet func	tionality
duplex	Full duplex
Device protection Electrical	
Degree of protection (EN IEC 60529)	IP65, IP67
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	1
Mechanical data	
Contour for corrugated hose	without
Mechanical data Material data	
Coating locking	Nickeled
Locking material	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
Operating temperature min.	-25 °C

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: 2024-06-26



Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 5,9 A Current load capacity min. Wire (Data) 2 A Characteristic impedance 100 Ω ± 15 % @ 1 MHz Electrical resistance line constant wire 35 Ω/km Electrical resistance coating wire (Data) 140 Ω/km	Additional condition temperature range	depending on cable quality
Note on bending radiu Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endingered by excessive bending forces. instalation (Cabe Vertice of the permissible bending forces. wise arrangement black, brown, white, blue, (orange-white, green, orange, green-white) Gabis identification B05 Jacker Color black Drop of Confination curves Stranding (type 2) 1 Oppose thad, timed Oppose thad, timed Barley (type 2) 0 Oppose thad, timed Barley (type 2) 1 Barley (type 2) 1 Stranding (type 2) 0 Oppose thad, timed Barley (type 2) 0 Oppose thad, timed	Important installation notes	
Note on bending radiu Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endingered by excessive bending forces. instalation (Cabe Vertice of the permissible bending forces. wise arrangement black, brown, white, blue, (orange-white, green, orange, green-white) Gabis identification B05 Jacker Color black Drop of Confination curves Stranding (type 2) 1 Oppose thad, timed Oppose thad, timed Barley (type 2) 0 Oppose thad, timed Barley (type 2) 1 Barley (type 2) 1 Stranding (type 2) 0 Oppose thad, timed Barley (type 2) 0 Oppose thad, timed	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
wire arrangementblack, brown, white, blue, (orange-white, green, orange, green-white)Galei exelification805Schein CoornblackType of CarlificatiocuPlusAmount stranding (type 2)4 wires around 1 Filter twistedAmount stranding (type 2)4 wires around Stranding combination with Filter twistedCable shelding (type)copper brack, timedCable shelding (coverage)85 %Pari silcking (type)copper brack, timedBanding (coverage)copper brack, timedShore hardness jacketPUFParter Controling (coverage)copper brack, timedShore hardness jacketPUFCure diameter (subation)f 5 %Cure diameter (subation)f 5 %Cure diameter (subation)f 5 %Cure diameter (subation)f 5 %Shore hardness wire insulationf 5 %Cure diameter (subation)f 5 %Cure diameter (subation)f 5 %Cure diameter (subation)f 5 %Cure diameter wire insulation (Caba)f 5 % <td></td> <td>Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be</td>		Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
wire arrangementblack, brown, white, blue, (orange-white, green, orange, green-white)Galei exelification805Schein CoornblackType of CarlificatiocuPlusAmount stranding (type 2)4 wires around 1 Filter twistedAmount stranding (type 2)4 wires around Stranding combination with Filter twistedCable shelding (type)copper brack, timedCable shelding (coverage)85 %Pari silcking (type)copper brack, timedBanding (coverage)copper brack, timedShore hardness jacketPUFParter Controling (coverage)copper brack, timedShore hardness jacketPUFCure diameter (subation)f 5 %Cure diameter (subation)f 5 %Cure diameter (subation)f 5 %Cure diameter (subation)f 5 %Shore hardness wire insulationf 5 %Cure diameter (subation)f 5 %Cure diameter (subation)f 5 %Cure diameter (subation)f 5 %Cure diameter wire insulation (Caba)f 5 % <td>Installation Cable</td> <td></td>	Installation Cable	
Cable identification 605 Jacket Color black Type of Cartification CURus Amount stranding 1 Stranding 4 wires around 1 Filler twisted Amount stranding (type 2) 1 Stranding (type 2) 4 wires around Stranding contination with Filler twisted Cable shelding (type) cooper braid, finned Cable shelding (type) cooper braid, finned Banding Fileer, Foil Filer yes wire arrangement black brown, white, blue, (orange white, green, orange, grean white) Cable indexing (tacket) 107.8 g/m Material jacket 90 ± 5 Shore A Freedom Trom ingredients (tacket) 81 ± 5 %. Material jacket 90 ± 5 % Outer diameter (tacket) 8 5 % Amount wires 4 Outer diameter (tacket) 1.5 mm Cuble shelding (wries) 5 % Shore hardness wire insulation 1.5 mm Outer diameter insulation 1.5 mm Outer diameter insulation 1.5 mm Outer diameter wire ins	wire arrangement	black brown white blue (orange-white green orange green-white)
Jacket Color black Type of Carlinates CURus Anount stranding 1 Stranding (type 2) 1 Stranding (type 2) 4 wires around Stranding (type 2) Cable shelding (type 2) 0 Stranding (type 2) 0 Data strangement black. brown, while. Use (orange-while, green, orange, green-while) Cable weight 107.8 grm Matarial jacket PUR Shore hardness jacket 90.2 5 Shore A Freedom from ingedonts 16.40 freedom from ingedonts Ouder diameter (alexisth) 5 % Matarial via insulation 15 mm Ouder diameter insulation 5 % Shore hardness wire insulation 5 % % Ouder diameter insulation 1.5 mm Ouder diameter insulation 1.5 mm Ouder diameter insulation 1.5 %	-	
Type of Certificate cUPUs Amount stranding 1 Stranding 4 wises around 1 Filler twisted Amount stranding (type 2) 1 Stranding (type 2) 4 wires around Stranding combination with Filler twisted Cable shelding (type) copper braid, finned Cable shelding (type) copper braid, finned Banding Fibers Waie arrangement Biak, brown, while, blue, (orange white, groon, orange, groon while) Cable shelding (type) 00 per braid, finned Cable shelding (type) 00 per braid, finned Cable weight 107 g gm Material jacket 90 a S Shore A Freedom from imgredients (ginketh) Bead-Kee, codmium-fee, CFC-free, halogen-free, silcone-free Outer diameter (sheath) 5 % Material wire insulation PP Anount wires 4 Outer diameter (sheath) 5 5 % Shore hardness wire insulation 5 5 % Difference outer diameter (sheath) 5 5 % Dire diameter insulation 5 5 % Dire diameter insulatin 5 % Shore h		
Anount stranding 1 Stranding 4 wires around 1 Filler twisted Anount stranding (type 2) 1 Stranding (type 2) 4 wires around Stranding combination with Filler twisted Cable shinding (cype) copper braid, linned Cable shinding (cype) copper braid, linned Banding Fileer, Fol Filer yes Wire arrangement black, brown, white, blue, (orange-white, green, orange, green-white) Cable weigh 107,8 g/m Material jackat PUR Strand finders jackat 90 F Strand hurdness jackat 90 F Outer diameter (jackat) 8,1 mm Tolerance outer diameter (fackat) 1,5 % Anount trans 4 Outer diameter isolation 1,5 % Outer diameter isolation 1,5 % Strand hurdness wire insolation 1,5 % Strand hurdness wire insolation 1,5 % Durater diameter isolation 1,5 % Strand hurdness wire insolation 1,5 % Durater diameter isolation 1,5 % Durater dia		
Stranding 4 wires around 1 Filler twisted Amount stranding (type 2) 4 wires around Stranding combination with Filler twisted Cable shielding (type) copper braid, tinned Cable shielding (type) copper braid, tinned Banding (type) copper braid, tinned Banding Fleece, Foll Filler yes wire arrangement black, brown, white, blue, (orange-white, green, orange, green-white) Cable shielding (type) Copper braid, tinned Cable wight 107.8 g/m Material jackt PUR Shore hardness jackt 90.2 5 Shore A Freedom from ingredients (jacket) 8.1 mm Cale wight 1.5 mm Outer diameter (sheathr) 2.5 % Shore hardness wire insulation 1.5 mm Outer diameter tolerace core insulation 2.5 % Shore hardness wire insulation 5.5 Shore D Ingredient freeness wire insulation 5.4 S Material wire insulation 5.4 S % Canduct crosssection (wire) 20 AWG Conductor crosssection (wire) 20 AWG Cond	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Amount stranding (type 2)1Stranding (type 2)4 wires around Stranding combination with Filler twistedCable shielding (type)copper braid, tinnedCable shielding (type)copper braid, tinnedBandingPieces, FollFilleryeswire arrangementblack, brown, white, blue, (orange white, green, orange, green-white)Cable weigh107.8 g/mMaterial jocketPURShore hardness jacket90.2 5 Shore AFreedom from ingredients (jacket)8.1 mmTolerance outer diameter (jacket)8.1 mmTolerance outer diameter (jacket)1.5 mmOuter diameter ingredients (jacket)1.5 mmOuter diameter ingredients (jacket)1.5 mmOuter diameter ingredient (jacket)1.5 mmOuter diameter ingredient (stranding and the stranding and the strandi		·
Stranding (type 2) 4 wires around Stranding combination with Filler twisted Cable shelding (type) copper braid, tinned Banding Flooco, Foil Filler yes Wire arrangement black, brown, white, blue, (orange-white, green, orange, green-white) Cable weight 107.8 gm Material jacket PUR Share hardness jacket 90.5 5 Shore A Freedom from ingredents (jacket) 8.1 mm Toler-diameter (jacket) 8.1 mm Toler-diameter (jacket) 8.1 mm Tolerance outer diameter (habrath) 1.5 % Shore hardness jacket 9P Amount wires 4 Outer diameter (jacket) 8.1 mm Tolerance outer diameter (jacket) 5.1 mm Outer diameter insulation 1.5 mm Diameter of single wires 20 AWG <		
Cable shielding (type)copper braid, tinnedCable shielding (coverage)85 %Pair shielding (type)copper braid, tinnedBandingFleece, FollFilleryeswire arrangementblack. brown, white, blue, (orange white, green, orange, green-white)Cable weight107.8 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter diameter (jackat)8.1 mmCharlenator (jackat)8.1 framOuter diameter (isolation)PPAmount wires4Outer diameter insulation1.5 rmOuter diameter insulation1.5 rmOuter diameter insulation55 ± 5 Shore DIngredient freenes wire insulation1.5 framOuter diameter wire insulation1.6 framOuter diameter wire insulation1.6		
Cable shielding (toverage) 85 % Pair shielding (type) copper braid, timed Banding Fleeco, Foil Filler yes wire arrangement black, brown, white, blue, (orange-white, green, orange, green-white) Cable weigh 107.8 g/m Material jacket PUR Shore hardness jackat 90.2 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Quer diameter (jacket) 8.1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation 1.5 mm Outer diameter tolerance ore insulation ± 5 % Shore hardness wire insulation 1.5 mm Outer diameter tolerance ocer insulation 1.5 mm Duter diameter tolerance ocer insulation 1.5 from D Ingredient freeness wire insulation 1.5 from D Romuth strads (wire) 19 Dater of single wires 20 AWG		
Pair shielding (type) copper braid, linned Banding Fleece, Foil Flier yes wire arrangement black, brown, while, blue, (orange-while, green, orange, green-while) Cable weigh 107.8 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) ± 5 % Material jacket PUR Tolerance outer diameter (shealth) ± 5 % Material insulation PP Amount wires 4 Outer diameter tolerance core insulation 1.5 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount tisrands (wire) 19 Diameter diameter tolerance core insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Material conductor wire insulation (Data) 1.1 mm Tolerance outer diameter wire insulation (Data) 1.2 mm Tolerance outer diameter wire insulation (Data) 5.5 S		
BandingFleece, FoilFileryeswise arrangementblack, brown, white, blue, (orange-white, green, orange, green-white)Cable weigth107,8 g/mMaterial jacketPURShore hardness jacket!90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)8.1 mmTolerance outer diameter (sheath) \pm 5 %Anount wires4Outer diameter loerance ocer insulationPPAnount wires4Outer diameter loerance ocer insulation \pm 5 %Shore hardness wire insulation \pm 5 %Shore hardness wire insulation \pm 5 %Shore hardness wire insulation \pm 5 %Conductor reassection (wire)19Diameter of single wires20 AWGConductor reassection (wire)20 AWGConductor vireStraded copper wire, bareMaterial wire insulation (Data)1.1 mmTolerance outer insulation (Data)1.1 mmTolerance outer diameter wire insulation (Data)5 ± 5 Shore DIngredient freeness wire insulation (Data)1.1 mmTolerance outer diameter wire insulation (Data)5 ± 5 Shore DIngredient freeness wire insulation (Data)5 ± 5 Shore D		
Filleryeswire arangementblack, brown, white, blue, (orange-white, green, orange, green-white)Cable weigth107,8 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,1 mmTolerance outer diameter (sheath) \pm 5 %Material inviterionPPAnount wires4Outer diameter (sheath) \pm 5 %Shore hardness wire insulation1,5 mmOuter diameter lolerance core insulation \pm 5 %Shore hardness wire insulation \pm 5 %Shore hardness wire insulation15 5 %Shore hardness wire insulation16 %Outer diameter lolerance core insulation \pm 5 %Shore hardness wire insulation19Diameter of single wires20 AWGConductor orassection (wire)20 AWGMaterial conductor wireStranded copper wire, bareMaterial wire insulation (Data)1,1 mmTolerance outer diameter wire insulation (Bata) \pm 5 %Shore hardness wire insulation (Data)55 \pm 5 Shore DIngredient freenessation (wire)25 AWGConductor orassection wire (Data)1,1 mmTolerance outer diameter wire insulation (Bata) \pm 5 %Shore hardness wire insulation (Bata)55 \pm 5 Shore DIngredient freenessation wire (Data)55 \pm 5 Shore DIngredient freenessation wire (Data)58 \pm 5 %Controter orassec		
vire arrangementJack, brown, white, blue, (orange-white, green, orange, green-white)Cable weight107.8 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)8.1 mmTolerance outer diameter (jacket) \pm 5 %Material wire insulationPPAmount wires4Outer diameter (jacket) \pm 5 %Shore hardness wire insulation \pm 5 %Outer diameter insulation \pm 5 %Shore hardness wire insulation \pm 5 %Shore hardness wire insulation \pm 5 %Nord refameter insulation \pm 5 %Shore hardness wire insulation \pm 5 %Shore hardness wire insulation \pm 5 %Shore hardness wire insulation \pm 5 %Conductor crossection (wire) \pm 0 AWGConductor wireStanded copper wire, bareMaterial wire insulation (Data) \pm 5 %Shore hardness wire insulation (Data) \pm 5 %Conductor wireStanded copper wire, bareMaterial wire insulation (Data) \pm 5 %Shore hardness wire insulation (Data)<		
Cable weight107.8 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket) $\&$,1 mmTolerance outer diameter (sheath) \pm 5 %Material wire insulationPPAmount wires4Outer diameter insulation1,5 mmOuter diameter lolerance core insulation \pm 5 %Shore hardness wire insulation \pm 5 %Dotter diameter tolerance core insulation \pm 5 %Dotter diameter tolerance core insulation \pm 5 %Dore of single wires20 AWGConductor cressection (wire)20 AWGConductor cressection (wire)20 AWGConductor vireStranded copper wire, bareMaterial wire insulation (Data)PPTolerance outer diameter wire insulation (Data) \pm 5 %Shore hardness wire insulation (Data)PPTolerance outer diameter wire insulation (Data) \pm 5 %Shore hardness wire insulation (Data) \pm 5 %Shore hardness wire (Data)19Ingredient freeness wire insulation (Data) \pm 5 %Shore hardness wire insulation (Data) \pm 5 %Shore hardness wire (Data) 5 5 5 Shore DIngredient freeness wire insulation (Data) \pm 5 %Shore hardness wire insulation (Data) \pm 6 AWGConductor creassection wire (Data) 4 Amount strands wire (Data) 26 AWGConductor creassection wire (Data)		-
Material jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket) \pm 5 %Tolerance outer diameter (sheath) \pm 5 %Material wire insulationPPAmount wires4Outer diameter insulation \pm 5 %Outer diameter insulation \pm 5 %Shore hardness wire insulation \pm 5 %Outer diameter insulation \pm 5 %Shore hardness wire insulation \pm 5 %Shore hardness wire insulation $5 \pm$ 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount stands (wire)19Diameter of single wires20 AWGConductor crossection (wire)20 AWGMaterial wire insulation (Data)POuter diameter wire insulation (Data)1.1 mmTolerance outer diameter wire insulation (Data)5 ± 5 Shore DIngredient freeness wire insulation (Data)5 ± 5 Shore DIngredient freeness wire insulation (Data)5 ± 5 Shore DIngredient freeness wire insulation (Data)54 %Shore hardness wire insulation (Data)19Diameter of single wires (Data)54 5 Shore DIngredient freeness wire insulation (Data)54 %Shore hardness wire insulation (Data)54 %Conductor crossection wire (Data)64Amount stands wire (Data)64Conductor wire (Data)64Conductor wire (Dat	-	
Shore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)8,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount Wires4Outer diameter (sheath)± 5 %Shore hardness wire insulation1,5 mmOuter diameter insulation± 5 %Shore hardness wire insulation± 5 %Shore hardness wire insulation55 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)19Diametor disple wires20 AWGConductor crosssection (wire)20 AWGMaterial conductor wireStranded copper wire, bareMaterial wire insulation (Data)1,1 mmTolerance outer diameter wire insulation (data)± 5 %Shore hardness wire insulation (Data)1,2 mmTolerance outer diameter wire insulation (data)± 5 %Shore hardness wire insulation (Data)19Outer diameter wire insulation (Data)14Amount strands wire (Data)4Amount strands wire (Data)4Amount strands wire (Data)26 AWGConductor crossection wire (Data)26 AWGConductor wire (Data)		
Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)8,1 mmTolerance outer diameter (sheath) \pm 5 %Material wire insulationPAmount wires4Outer diameter insulation1,5 mmOuter diameter tolerance core insulation \pm 5 %Shore hardness wire insulation \pm 5 %Ingredient freeness wire insulation \pm 5 %Material wire insulation \pm 5 %Shore hardness wire insulation \pm 5 %Outer diameter tolerance core insulation \pm 5 %Ingredient freeness wire insulation Ead -free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)19Diameter of single wires20 AWGConductor crosssection (wire)20 AWGConductor wireStranded copper wire, bareMaterial wire insulation (Data)1,1 mmTolerance outer diameter wire insulation (Data)5 ± 5 Shore DIngredient freeness wire insulation (Data)55 ± 5 Shore DIngredient freeness wire insulation (Data)55 ± 5 Shore DIngredient freeness wire insulation (Data)5 ± 4 GConductor crosssection wire (Data)4Amount wires (Data)4Amount wires (Data)26 AWGConductor crosssection wire (Data)26 AWGConductor crosssection wire (Data)5 % 9 ACorrent load capacity (standard)10 N L D IN VDE 0298-4Current load capacity (standard)20 ACurrent load capacity min. wire		
Outer-diameter (jacket) $8,1 mm$ Tolerance outer diameter (sheath) $\pm 5 \%$ Material wire insulationPPArnount wires4Outer diameter insulation $1,5 mm$ Outer diameter tolerance core insulation $\pm 5 \%$ Shore hardness wire insulation $55 \pm 5 Shore D$ Ingredient freeness wire insulation $15 \pm 5 \%$ Dameter of single wires20 AWGConductor crosssection (wire)20 AWGConductor wireStranded copper wire, bareMaterial wire insulation (Data)PPOuter diameter wire insulation (Data)PPOuter diameter wire insulation (Data) $1,1 mm$ Tolerance outer diameter wire insulation (Data) $5 \pm 5 Shore D$ Ingredient freeness wire insulation (Data) $5 \pm 5 Shore D$ Outer diameter wire insulation (Data) $1,1 mm$ Tolerance outer diameter wire insulation (Data) $5 \pm 5 Shore D$ Ingredient freeness wire insulation (Data) $5 \pm 5 Shore D$ Ingredient freeness wire insulation (Data) $5 \pm 5 Shore D$ Ingredient freeness wire insulation (Data) $5 \pm 5 Shore D$ Ingredient freeness wire insulation (Data) $5 \pm 5 Shore D$ Ingredient freeness wire insulation (Data) $5 \pm 5 Shore D$ Ingredient freeness wire insulation (Data) $5 \pm 5 Shore D$ Ingredient freeness wire insulation (Data) $5 \pm 0 Shore D$ Ingredient freeness wire insulation (Data) $5 \pm 0 Shore D$ Ingredient freeness wire insulation (Data) $5 \pm 0 Shore D$		
Tolerance outer diameter (shealth) \pm 5 %Material wire insulationPPAmount wires4Cuter diameter insulation1.5 mmOuter diameter tolerance core insulation \pm 5 %Shore hardness wire insulation $55 \pm$ 5 Shore DIngredient freeness wire insulation162 ± 5 %Mount strands (wire)19Diameter of single wires20 AWGConductor crosssection (wire)20 AWGConductor wire insulation (Data)PPOuter diameter wire insulation (Data)PPOuter diameter wire insulation (Data)55 ± 5 Shore DIngredient freeness wire insulation (Data)55 ± 5 Shore DOuter diameter wire insulation (Data)55 ± 5 Shore DOuter diameter wire insulation (Data)55 ± 5 Shore DIngredient freeness wire insulation (Data)55 ± 5 Shore DNount strands wire (Data)19Diameter of single wires26 AWGConductor crosssection wire (Data)26 AWGConductor crosssection wire (Data)26 AWGConductor crosssection wire (Data)26 AWGConductor wire (Data)26 AWG <td>c c ,</td> <td></td>	c c ,	
Material wire insulation PP Amount wires 4 Outer diameter insulation 1.5 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 19 Diameter of single wires 20 AWG Conductor crosssection (wire) 20 AWG Material conductor wire Stranded copper wire, bare Material conductor wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) 5 ± 5 Shore D Ingredient freeness wire insulation (Data) 5 ± 5 Shore D Ingredient freeness wire insulation (Data) 19 Diameter of single wires (Data) 19 Diameter of single wires (Data) 26 AWG Conductor wire (Data) 26 AWG Material conductor wire (Data) 26 AWG		·
Amount wires 4 Outer diameter insulation 1,5 mm Outer diameter insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 19 Diameter of single wires 20 AWG Conductor crosssection (wire) 20 AWG Material iconductor wire Stranded copper wire, bare Material wire insulation (Data) PP Outer diameter wire insulation (Data) PP Outer diameter wire insulation (Data) 5 ± 5 Shore D Ingredient freeness wire insulation (Data) 5 % Shore hardness wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) 5 ± 5 Shore D Ingredient freeness wire insulation (Data) 5 % Shore hardness wire insulation (Data) 5 ± 5 Shore D Ingredient freeness wire insulation (Data) 19 Diameter of single wires (Data) 26 AWG Conductor crossection wire (Data) 26 AWG Conductor wire (Data) 26 AWG Co	. ,	
Outer diameter insulation 1.5 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 19 Diameter of single wires 20 AWG Conductor crosssection (wire) 20 AWG Conductor wire Stranded copper wire, bare Material conductor wire Stranded copper wire, bare Material wire insulation (Data) 1.1 mm Tolerance outer diameter wire insulation (Data) 1.5 % Shore hardness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 14 Amount strands wire (Data) 4 Amount strands wire (Data) 19 Diameter of single wires (Data) 26 AWG Conductor rowsection wire (Data) 26 AWG Material conductor wire (Data) 54 AWG Conductor wire (Data) 54 AWG		
Outer diameter tolerance core insulation \pm 5 %Shore hardness wire insulation55 \pm 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)19Diameter of single wires20 AWGConductor crosssection (wire)20 AWGMaterial conductor wireStranded copper wire, bareMaterial conductor wire insulation (Data)PPOuter diameter wire insulation (Data)1,1 mmTolerance outer diameter wire insulation (Data) \pm 5 %Shore hardness wire insulation (Data)55 \pm 5 Shore DIngredient freeness wire insulation (Data)55 \pm 5 Shore DIngredient freeness wire insulation (Data)19Diameter of single wire (Data)19Diameter of single wire (Data)26 AWGConductor wire (Data)26 AWGConductor wire (Data)26 AWGConductor wire (Data)Stranded copper wire, bareNominal voltage AC max.60 VCurrent load capacity min. wire59 ACurrent load capacity min. wire (Data)2 ACharacteristic impedance100 $\Omega \pm 15$ % @ 1 MHzElectrical resistance line constant wire35 Ω/km		
Shore hardness wire insulation 55 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)19Diameter of single wires20 AWGConductor crosssection (wire)20 AWGMaterial conductor wireStranded copper wire, bareMaterial conductor wireStranded copper wire, bareMaterial wire insulation (Data)PPOuter diameter wire insulation (Data)1,1 mmTolerance outer diameter wire insulation (Data) 55 ± 5 Shore DIngredient freeness wire insulation (Data)55 ± 5 Shore DIngredient freeness wire insulation (Data)19Diameter of single wires (Data)19Diameter of single wires (Data)26 AWGConductor wire (Data)26 AWGConductor wire (Data)Stranded copper wire, bareMonth vires (Data)26 AWGConductor wire (Data)Stranded copper wire, bareNominal voltage AC max.60 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)10 DIN VDE 0298-4Current load capacity (stindard)2 ACharacteristic impedance100 $\Omega \pm 15 \% 0$ I MHzElectrical resistance line constant wire35 Ω/km		·
Ingredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)19Diameter of single wires20 AWGConductor crosssection (wire)20 AWGMaterial conductor wireStranded copper wire, bareMaterial wire insulation (Data)PPOuter diameter wire insulation (Data)1.1 mmTolerance outer diameter wire insulation (Data) 5 ± 5 Shore DIngredient freeness wire insulation (Data)Es 2 ± 5 %Shore hardness wire insulation (Data)IsIngredient freeness wire insulation (Data)Is19IsIngredient freeness wire insulation (Data)Es 2 ± 5 Shore DIngredient freeness wire insulation (Data)Is19IsDiameter of single wires (Data)26 AWGConductor crosssection wire (Data)26 AWGConductor wire (Data)Stranded copper wire, bareNominal voltage AC max.60 VCurrent load capacity min. wire5.9 ACurrent load capacity min. wire5.9 ACurrent load capacity min. wire20 ACharacteristic impedance100 $\Omega \pm 15 \% @$ 1 MHzElectrical resistance line constant wire35 Ω / km		
Amount strands (wire)19Diameter of single wires20 AWGConductor crosssection (wire)20 AWGMaterial conductor wireStranded copper wire, bareMaterial conductor wireStranded copper wire, bareMaterial wire insulation (Data)PPOuter diameter wire insulation (Data) \pm 5 %Shore hardness wire insulation (Data) \pm 5 %Shore hardness wire insulation (Data) \pm 5 %Shore hardness wire insulation (Data) \pm 5 %Ingredient freeness wire insulation (Data) \pm 5 %Amount wires (Data)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount wires (Data)19Diameter of single wires (Data)26 AWGConductor crosssection wire (Data)26 AWGConductor wire (Data)Stranded copper wire, bareNominal voltage AC max.60 VCurrent load capacity min. wire5,9 ACurrent load capacity min. wire5,9 ACurrent load capacity min. Wire (Data)2 ACharacteristic impedance100 $\Omega \pm 15 \%$ @ 1 MHzElectrical resistance line constant wire35 Ω/km		
Diameter of single wires20 AWGConductor crosssection (wire)20 AWGMaterial conductor wireStranded copper wire, bareMaterial wire insulation (Data)PPOuter diameter wire insulation (Data)1,1 mmTolerance outer diameter wire insulation (Data) $\pm 5 \%$ Shore hardness wire insulation (Data) $\pm 5 \%$ Shore hardness wire insulation (Data) $\pm 5 \%$ Shore hardness wire insulation (Data) $\pm 5 \%$ Amount wires (Data)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount wires (Data)4Amount strands wire (Data)26 AWGConductor crosssection wire (Data)26 AWGConductor wire (Data)26 AWGConductor wire (Data)60 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)2 ACurrent load capacity min. wire5.9 ACurrent load capacity min. Wire (Data)2 AElectrical resistance line constant wire35 Ω/km Electrical resistance line constant wire35 Ω/km		
Conductor crosssection (wire)20 AWGMaterial conductor wireStranded copper wire, bareMaterial wire insulation (Data)PPOuter diameter wire insulation (Data)1,1 mmTolerance outer diameter wire insulation (data)± 5 %Shore hardness wire insulation (Data)55 ± 5 Shore DIngredient freeness wire insulation (Data)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount wires (Data)4Amount strands wire (Data)26 AWGConductor crosssection wire (Data)26 AWGConductor wire (Data)26 AWGConductor wire (Data)50 AWGConductor wire (Data)26 AWGConductor wire (Data)26 AWGConductor wire (Data)00 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire5,9 ACurrent load capacity min. wire35 Ω/kmElectrical resistance line constant wire35 Ω/kmElectrical resistance line constant wire35 Ω/km		
Material conductor wireStranded copper wire, bareMaterial conductor wireStranded copper wire, bareMaterial wire insulation (Data)PPOuter diameter wire insulation (Data)1,1 mmTolerance outer diameter wire insulation (Data) 55 ± 5 Shore DShore hardness wire insulation (Data) 55 ± 5 Shore DIngredient freeness wire insulation (Data)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount wires (Data)4Amount strands wire (Data)19Diameter of single wires (Data)26 AWGConductor crosssection wire (Data)26 AWGMaterial conductor wire (Data)Stranded copper wire, bareNominal voltage AC max.60 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire5,9 ACurrent load capacity min. Wire (Data)2 ACharacteristic impedance100 $\Omega \pm 15 \%$ @ 1 MHzElectrical resistance line constant wire35 Ω/km	ÿ	
Material wire insulation (Data)PPOuter diameter wire insulation (Data)1,1 mmTolerance outer diameter wire insulation (data) \pm 5 %Shore hardness wire insulation (Data)55 \pm 5 Shore DIngredient freeness wire insulation (Data)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount wires (Data)4Amount strands wire (Data)19Diameter of single wires (Data)26 AWGConductor crosssection wire (Data)26 AWGMaterial conductor wire (Data)5tranded copper wire, bareNominal voltage AC max.60 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire5,9 ACurrent load capacity min. Wire (Data)2 ACharacteristic impedance100 $\Omega \pm 15$ % @ 1 MHzElectrical resistance line constant wire35 Ω/km		
Amount Network (Cata)1,1 mmOuter diameter wire insulation (Data)± 5 %Shore hardness wire insulation (Data)55 ± 5 Shore DIngredient freeness wire insulation (Data)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount wires (Data)4Amount strands wire (Data)19Diameter of single wires (Data)26 AWGConductor crosssection wire (Data)26 AWGMaterial conductor wire (Data)Stranded copper wire, bareNominal voltage AC max.60 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire5,9 ACurrent load capacity min. Wire (Data)2 ACharacteristic impedance100 $\Omega \pm 15 \% @ 1$ MHzElectrical resistance line constant wire35 Ω/km		
Tolerance outer diameter wire insulation (data) \pm 5 %Shore hardness wire insulation (Data) $55 \pm$ 5 Shore DIngredient freeness wire insulation (Data)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount wires (Data)4Amount strands wire (Data)19Diameter of single wires (Data)26 AWGConductor crosssection wire (Data)26 AWGMaterial conductor wire (Data)26 AWGMaterial conductor wire (Data)Stranded copper wire, bareNominal voltage AC max.60 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire5,9 ACurrent load capacity min. Wire (Data)2 ACharacteristic impedance100 $\Omega \pm 15 \% @$ 1 MHzElectrical resistance line constant wire35 Ω/km Electrical resistance coating wire (Data)140 Ω/km		
Shore hardness wire insulation (Data) 55 ± 5 Shore DIngredient freeness wire insulation (Data)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount wires (Data)4Amount strands wire (Data)19Diameter of single wires (Data)26 AWGConductor crosssection wire (Data)26 AWGMaterial conductor wire (Data)Stranded copper wire, bareNominal voltage AC max.60 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire5,9 ACurrent load capacity min. wire2,9 ACharacteristic impedance100 $\Omega \pm 15 \%$ @ 1 MHzElectrical resistance line constant wire35 Ω/km		·
Ingredient freeness wire insulation (Data)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount wires (Data)4Amount strands wire (Data)19Diameter of single wires (Data)26 AWGConductor crosssection wire (Data)26 AWGMaterial conductor wire (Data)26 AWGNominal voltage AC max.60 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire5,9 ACurrent load capacity min. Wire (Data)2 ACharacteristic impedance100 $\Omega \pm 15 \% @ 1$ MHzElectrical resistance line constant wire35 Ω/km Electrical resistance coating wire (Data)140 Ω/km		
Amount wires (Data)4Amount strands wire (Data)19Diameter of single wires (Data)26 AWGConductor crosssection wire (Data)26 AWGMaterial conductor wire (Data)26 AWGMaterial conductor wire (Data)Stranded copper wire, bareNominal voltage AC max.60 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire5,9 ACurrent load capacity min. Wire (Data)2 ACharacteristic impedance100 $\Omega \pm 15 \% @ 1$ MHzElectrical resistance line constant wire35 Ω/km		
Amount strands wire (Data)19Diameter of single wires (Data)26 AWGConductor crosssection wire (Data)26 AWGMaterial conductor wire (Data)26 AWGMaterial conductor wire (Data)Stranded copper wire, bareNominal voltage AC max.60 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire5,9 ACurrent load capacity min. Wire (Data)2 ACharacteristic impedance100 $\Omega \pm 15 \% @ 1$ MHzElectrical resistance line constant wire35 Ω/km Electrical resistance coating wire (Data)140 Ω/km	÷ ()	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Diameter of single wires (Data)26 AWGConductor crosssection wire (Data)26 AWGMaterial conductor wire (Data)Stranded copper wire, bareNominal voltage AC max.60 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire5,9 ACurrent load capacity min. Wire (Data)2 ACharacteristic impedance100 $\Omega \pm 15$ % @ 1 MHzElectrical resistance line constant wire35 Ω /kmElectrical resistance coating wire (Data)140 Ω /km		
Conductor crosssection wire (Data)26 AWGMaterial conductor wire (Data)Stranded copper wire, bareNominal voltage AC max. $60 V$ Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire $5,9 A$ Current load capacity min. Wire (Data) $2 A$ Characteristic impedance $100 \Omega \pm 15 \% @ 1 $ MHzElectrical resistance line constant wire $35 \Omega/km$ Electrical resistance coating wire (Data) $140 \Omega/km$		
Material conductor wire (Data)Stranded copper wire, bareNominal voltage AC max. $60 V$ Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire $5,9 A$ Current load capacity min. Wire (Data) $2 A$ Characteristic impedance $100 \Omega \pm 15 \% @ 1 MHz$ Electrical resistance line constant wire $35 \Omega/km$ Electrical resistance coating wire (Data) $140 \Omega/km$		
Nominal voltage AC max. 60 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 5,9 A Current load capacity min. Wire (Data) 2 A Characteristic impedance 100 Ω ± 15 % @ 1 MHz Electrical resistance line constant wire 35 Ω/km Electrical resistance coating wire (Data) 140 Ω/km	· · · · · · · · · · · · · · · · · · ·	26 AWG
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 5,9 A Current load capacity min. Wire (Data) 2 A Characteristic impedance 100 Ω ± 15 % @ 1 MHz Electrical resistance line constant wire 35 Ω/km Electrical resistance coating wire (Data) 140 Ω/km		
Current load capacity min. wire 5,9 A Current load capacity min. Wire (Data) 2 A Characteristic impedance 100 Ω ± 15 % @ 1 MHz Electrical resistance line constant wire 35 Ω/km Electrical resistance coating wire (Data) 140 Ω/km	Nominal voltage AC max.	
Current load capacity min. Wire (Data) 2 A Characteristic impedance 100 Ω ± 15 % @ 1 MHz Electrical resistance line constant wire 35 Ω/km Electrical resistance coating wire (Data) 140 Ω/km	Current load capacity (standard)	
Characteristic impedance 100 Ω ± 15 % @ 1 MHz Electrical resistance line constant wire 35 Ω/km Electrical resistance coating wire (Data) 140 Ω/km	Current load capacity min. wire	
Electrical resistance line constant wire 35 Ω/km Electrical resistance coating wire (Data) 140 Ω/km	Current load capacity min. Wire (Data)	2 A
Electrical resistance coating wire (Data) 140 Ω/km	Characteristic impedance	100 Ω ± 15 % @ 1 MHz
	Electrical resistance line constant wire	35 Ω/km
AC withstand voltage (wire - wire) 1 kV @ 60 s	Electrical resistance coating wire (Data)	140 Ω/km
	AC withstand voltage (wire - wire)	1 kV @ 60 s

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: 2024-06-26



Electrical capacity line constant (wire - wire)	52000 pF/km
Power frequency withstand voltage (wire - jacket)	1 kV @ 60 s
AC withstand voltage (wire - shield)	1 kV @ 60 s
Isolation resistance	5000 ΜΩ
Min. operating temperature (static)	-50 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-40 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Flame resistance	UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2
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)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	5 Mio.
Traversing distance (C-track)	5 m
Travel speed (C-track)	3,3 m/s
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min

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: 2024-06-26