

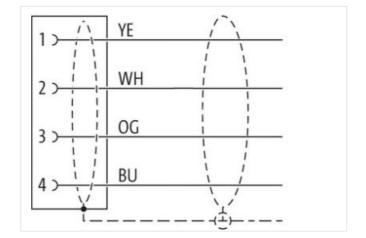
## M12 female recept. D-cod. shielded rear

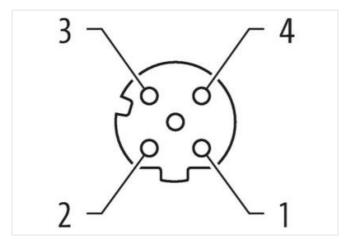
PUR 1x4xAWG22 shielded gn UL/CSA 1.5m

Ethernet CAT5 Flange female M12, 4-pole D-coded shielded Rear mounting Further cable lengths on request. The resistance to aggressive media should be individually tested for your application. Further details on request.

## Link to Product

Illustration





Product may differ from Image



Cable length

1,5 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: 2024-04-18

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Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	D
Material	Brass
Degree of protection (EN IEC 60529)	IP67
Commercial data	
ECLASS-6.0	27279220
ECLASS-6.1	27279220
ECLASS-7.0	27440103
ECLASS-8.0	27440103
ECLASS-9.0	27440103
ECLASS-10.1	27440103
ECLASS-11.1	27440103
ECLASS-12.0	27440103
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879472616
Packaging unit	1
Electrical data   Supply	
Operating voltage DC max.	60 V
Current operating per contact max.	1,5 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 fun	ctionality
duplex	Full duplex
Installation   Connection	
Mounting set	M16 x 1.5
Width across flats	SW19
Device protection   Electrical	
Protection NEMA	3, 4, 6P
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I
Mechanical data   Material data	
Coating locking	nickel plated
Coating of fitting	nickel plated
Locking material	Brass
Material screw connection	Brass
Mechanical data   Mounting data	
Mounting method	Schraubgewinde
Looking techniques	Schraubgewinde
Environmental characteristics   Climatic	•
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Approvals	

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UL 50E

yes

Cable dorithication794Jackat ColorgremJackat ColorgremType of CarificationUSusAmount Stranding4 was aroun Filter IwstedCable shelding (coverage)85 %Cable shelding (coverage)85 %BandingFeece, FolFilter98 SusWas aroung Filter Iwsted81 %Cable shelding (coverage)85 %Cable shelding	Installation   Cable	
Type of Certificatia     URus       Arnout stranding     1       Stranding     4 wes around Filler twisted       Cable shelding (toyne)     copper brind, tinned       Cable shelding (coverage)     55 %       Banding     Filler       wite arrangement     white, yellow, blue, orange       Cable weight     75 87 g m       Material jacket     69 Shore A       Freedom from ingreedients (jacket)     189 Shore A       Freedom from ingreedients (jacket)     18 5 %       Material jacket     69 Shore A       Tolerandon outer (damoter (sheath)     1 5 %       Material inner (acket)     FINC       Coder (imer jacket)     61 %       Material inner (acket)     FNNC       Coder (imer jacket)     1 % Shore D       Shore Indenses wite insulation     FS Shore D       Shore Indenses wite insulation     1 % Shore D       Shore Indenses wite insulation     5 Shore D       Ingredient free insulation     6 Shore D       Ingredient free insulation     1 % Shore D       Conductor crosseaction (wire)     22 AWG       Conductor croseseaction (wi	Cable identification	794
Anount shranding     1       Stranding     4 wires around Filer wielted       Cable shelding (type)     cooper braid, funned       Cable shelding (coverage)     85 %       Banding     Fleece, Foil       Filer     yes       wire arrangement     while, yellow, blue, orange       Cable weigh     75.87 pm       Material jacket     PUR       Shore hardness jacket     95 Shore A       Freedom from fingedonts (jacket)     8.9 Shore A       Freedom from fingedonts (jacket)     8.9 Shore A       Caller anight     7.0 m       Tolerance outer diameter (sheath)     5.7 mm       Tolerance outer diameter (sheath)     5.8 %       Material were insultation     PE       Amount wires     4       Outer diameter insultation     PE       Amount wires     4       Outer diameter insultation     5.5 Shore D       Ingredent freeness were insultation     5.5 Shore D       Ingredent freeness were insultation     5.5 Shore D       Carler dater bactery inm. wire     5.4 A       Carler date outery inm. wire     5.4 A	Jacket Color	green
Stranding     4 wires around Filler twisted       Cable indefing (type)     cooper braid, tinned       Cable indefing (type)     85 %       Banding     Fibeoo, Foil       Filler     yes       wire arrangement     white, yellow, blue, orange       Cable weight     75,87 gm       Material Jack     PUR       Shore hardness jacket     89 Shore A       Freedom from ingredients (acket)     8.5 %       Cadie and and (gacket)     5.7 m       Cadie and and (gacket)     5.8 form       Cadie diameter insulation     1.5 form       Outer diameter insulation     1.5 form       Cadie diameter insulation     1.5 form       Cande and (rein)     7       Damater to angle wines     22 AWG       Canduet and (rein)     7       Damater of angle wines     22	Type of Certificate	cURus
Cable shelding (type)     copper braid, linned       Cable shelding (coverage)     85 %       Banding     Fleece, Foll       Filer     yes       wire arrangement     while, yelow, blue, orange       Cable weigh     75,87 g/m       Material jacket     PUR       Shore hardness gluch     99 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer -diameter (jacket)     6,7 mm       Tolerance outil anaroter (sheath)     1,5 %       Material inner jacket     FFNQC       Color (inner jacket)     while       Outer diameter insulation     PE       Anount wires     4       Outer diameter insulation     1,55 mm       Outer diameter insulation     1,25 M       Diameter out of single wires     22 AWG       Consult or ossessetion (wire)     22 AWG       Current load capacity min. wire     4,8 A       Chanacterisic impedance	Amount stranding	1
Cable shielding (coverage)     85 %       Banding     Fleece, Foil       Filer     yes       wite a rangement     while yellow, blue, orange       Cable weight     75,87 g/m       Material jacket     PUR       Shore hardness jacket     89 Shore A       Freedom from ingredients (jacket)     63 7 m       Outer-diameter (jacket)     6.7 m       Tolerance outer diameter (sheath)     1.5 %       Color (inner jacket)     white       Material inver insulation     PE       Anount wires     4       Outer diameter (sheath)     1.55 mm       Outer diameter insulation     1.55 mm       Outer diameter insulation     6.5 Shore D       Ingredient freeness wire insulation     4.5 %       Conductor crossescient (wire)     22 AWG       Conductor crossescient (wire)     7       Dimater of single wires     22 AWG       Concert crossescient (wire)     50 Ω + 22 AWG       Control crossescient (wire)     50 Ω + 2 M ≤ 3       Consectistic impedance     50 Ω + 2 M ≤ 3       Conset chrosse wire constant wire     50 Ω M ≤ 2	Stranding	4 wires around Filler twisted
Banding     Fleece, Fell       Vies arrangement     white, yellow, blue, orange       Cable weigh     75.87 g/m       Material jacket     PUR       Shore hardness jacket     89 Shore A       Freedom from ingredients (jacket)     lead-free, caffuurn-free, CFC-free, halogen-free, silicone-free       Outer-dimenter (jacket)     6.7 mm       Tolerance outer diameter (shealth)     ± 5 %       Material inner jacket     FRNC       Color (inner jacket)     Nite       Material inner jacket     FRNC       Color (inner jacket)     Nite       Material inner jacket     FRNC       Color (inner jacket)     1.55 mm       Outer diameter insulation     1.55 mm       Outer diameter insulation     1.55 mm       Outer diameter swire insulation     1.65 Shore D       Imperdent freeness weire insulation     1.65 Shore D       Imperdent freeness weire insulation     1.65 Shore D       Conductor crossection (wire)     22 AWG       Conductor crossection (wire)     10 DV MDE 0298.4       Current load capacity min. wire     4.8 A       Charenteristic imgedance line constant (wire wire) <td>Cable shielding (type)</td> <td>copper braid, tinned</td>	Cable shielding (type)	copper braid, tinned
File     yes       wire arrangement     white, yellow, blue, orange       Cable weigh     75,87 g/m       Material jacket     PUR       Shore hardness jacket     89 Shore A       Freedom from ingredients (jacket)     63 from, free, CFC-free, halogen-free, sillcone-free       Outer-diameter (jacket)     6,7 mm       Tolerance outer diameter (sheath)     ± 5 %       Material iner jacket     FNK G       Color (mar jacket)     white       Material iner jacket)     white       Amount wires     4       Outer diameter insulation     1,55 mm       Outer diameter insulation     1,55 mm       Outer diameter insulation     68 Shore D       Ingredient treeness wire insulation     168 Shore D       Ingredient treeness wire insulation     163 Shore D       Ingredient treeness wire insulation     100 IV DE 0239-4       Corrent load capacity (islandard)     to DN VDE 0239-4       Current load capacity (islandard)     to DN VDE 0239-4       Current load capacity (inic - onstant wire     55 Cu/m @ 20 °C       Nominal Voltage power (wire - wire)     24 V@ 60 0 s       Advittstand	Cable shielding (coverage)	85 %
white, yellow, blue, orangoCable weight75.87 g/mCable weight75.87 g/mMaterial jackatPURShore hardness jackat89 Shore AFreedom from ingredients (jacket)lead-tree, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket) $2.5 %$ Material inner jacketFRNGColor (inner jacket)whiteMaterial inner jacketFRNGColor (inner jacket) $4.5 %$ Material inner jacketFS mOuter diameter insulationPEAmount wires4Outer diameter insulation $1.55 m$ Outer diameter insulation $1.55 m$ Outer diameter insulation $1.55 m$ Outer diameter sive insulation $1.50 m$ Outer diameter diameter sive insulation $1.50 m$ Outer diameter diameter sive insulation $1.50 m$ Outer diameter diameter diameter $100 L 1.5 m$ Diameter diameter diameter diameter $100 L 1.5 m$ Conductor crossection (wire) $22 WG$ Conductor crossection (wire) $22 WG$ Conductor wire $51 c C C C - Free, halogen - Free$	Banding	Fleece, Foil
Gabie weigh     75,87 g/m       Material jacket     PUR       Shore hardness jacket     89 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     8,7 mm       Tolerance outer diameter (jacket)     8,7 mm       Tolerance outer diameter (sheath)     1,5 %       Material vine insulation     PE       Amount wires     4       Outer diameter insulation     1,5 %m       Outer diameter insulation     1,5 %m       Outer diameter insulation     6,5 Shore D       Ingredient freeness wire insulation     1,6 5 %       Conductor crosssection (wire)     7       Diameter of single wires     22 AWG       Conductor wires     Stranded copper wire, bare       Current load capacity (strandard)     to DN VDE 0298-4       Current load capacity (wire - wire)     2000 pF/xm       Store particle resistance line constant wire     55 ChKm @ 20 °C       Nominal voltage power AC max.     2000 pF/xm       Cave of loap power (wire - wire)     21 V@ @ 60 s       Constand voltage power (wire - wire)     21 V@ @ 60 s	Filler	yes
Material jacket     PUR       Shore hardness jacket     89 Shore A       Freedom from ingredients (jacket)     6,7 mm       Outer-diameter (jacket)     6,7 mm       Tolerance outer diameter (sheath)     1.5 %       Material iner jacket     FRNC       Color (inner jacket)     white       Material iner jacket     FS       Amount wires     4       Outer diameter losuation     1.55 mm       Outer diameter insulation     1.55 mm       Outer diameter losuation     162 %       Shore hardness wire insulation     162 %       Concert olearase insulation     162 %       Conductor crossecolor (wire)     22 AWG       Conductor crossecolor (wire)     22 AWG       Conductor crossecolor (wire)	wire arrangement	white, yellow, blue, orange
Shore hardness jacket89 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter diameter (jacket)6,7 mmTolerance outer diameter (jacket)1.5 %Material inner jacketFRNCColor (inner jacket)whiteMaterial inner jacket)whiteMaterial wire insulationPEAmount wires4Outer diameter (insulation1.55 mmOuter diameter or insulation65 Shore DIngredient freeness wire insulation65 Shore DIngredient freeness wire insulation65 Shore DIngredient freeness wire insulation64 free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires22 AWGConductor crossection (wire)22 AWGConductor crossection (wire)22 AWGConductor crossection (wire)22 AWGContent dapacity (standard)to DIN VDE 0299.4Current load capacity (standard)to DIN VDE 0299.4Charactristic impedance100 L± 15 %Electrical resistance line constant wire55 $\Omega$ km @ 20 °CNominal voltage power AC max.300 VElectrical resistance line constant (wire - wire)22 W @ 60 sAC withstand voltage power (wire - wire)24 V @ 60 sAC withstand voltage power (wire - wire)24 V @ 60 sAC withstand voltage power (wire - wire)24 V @ 60 sAC withstand voltage power (wire - wire)24 V @ 60 sAC withstand voltage power (wire - wire)24 V @ 60 s	Cable weigth	75,87 g/m
Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer-diameter (jacket)   6,7 mm     Tolerance outer diameter (sheath) $\pm$ 5 %     Material imer jacket   FRNC     Color (inner jacket)   white     Material imer jacket   FRNC     Color (inner jacket)   white     Material wire insulation   PE     Amount wires   4     Outer diameter insulation   1.55 mm     Outer diameter tolerance core insulation   45 %     Shore hardness wire insulation   fees Shore D     Ingredient freeness wire insulation   lead-free, CFC-free, halogen-free     Amount stands (wire)   7     Diameter of single wires   22 AWG     Conductor crosssection (wire)   22 AWG     Current load capacity (standard)   to DN VDE 0298-4     Current load capacity (standard)   to DN VDE 0298-4     Current load capacity (winn. wire   4,8 A     Characteristic impedance   100 $\Omega \pm 15$ %     Electrical resistance line constant (wire sime)   200 V     Nominal voltage power (wire - shield)   2 kV @ 60 s     Rowerit frequency withstand voltage power (wire	Material jacket	PUR
Outer-diameter (jacket)6,7 mmTolerance outer diameter (sheath) $\pm$ 5 %Material inner jacketFRNCColor (inner jacket)whiteMaterial inner jacket)whiteMaterial inner jacket)whiteMaterial inner jacket)whiteMaterial inner jacket)whiteMaterial inner jacket)whiteMaterial wire insulationPEAmount wires4Outer diameter isulation $\pm$ 5 %Shore hardness wire insulation65 Shore DIngredient freeness wire insulation66 Shore DIngredient freeness wire insulation62 Shore DConductor crosssection (wire)7Diameter of single wires22 AWGConductor wiresStranded copper wire, bareCurrent load capacity (standard)to DIN VDE 0288-4Current load capacity (standard)to DIN QL 15 %Electrical resistance line constant wire55 $\Omega$ km @ 20 °CNominal voltage power AC max.300 VElectrical capacity line constant (wire - wire)2k V @ 60 sMin. operating temperature (stac)2k V @ 60 sMin. operating temperature (stac)40 °CMin. operating temperature (stac)40 °COperating temperature (stac)<	Shore hardness jacket	89 Shore A
Tolerance outer diameter (sheath) $\pm$ 5 %Material inner jacketFRNCColor (inner jacket)whileMaterial wire insulationPEAmount wires4Outer diameter insulation1.55 mmOuter diameter insulation5 %Shore hardness wire insulation65 Shore DIngredient freeness wire insulation65 Shore DIngredient freeness wire insulation184 / Fee, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires22 AWGConductor crosssection (wire)22 AWGConductor crosssection (wire)22 AWGCurrent load capacity min. wire4.8 ACharacteristic impedance100 $\Omega \pm$ 15 %Electrical resistance line constant wire55 Okme 20 °CNominal voltage power AC max.300 VElectrical resistance line constant (wire - wire)2 kV @ 60 sPower frequency withstand voltage power2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sQuerating temperature (statc)-40 °CMax. operating temperature (statc)-40 °CMax. operat	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material inner jacket FRNC   Color (inner jacket) while   Material wire insulation PE   Amount wires 4   Outer diameter insulation 1,55 mm   Outer diameter tolerance core insulation 1,55 mm   Outer diameter tolerance core insulation 15 %   Shore hardness wire insulation 65 Shore D   Ingredient freeness wire insulation 1ead-free, CFC-free, halogen-free   Amount strands (wire) 7   Dameter of single wires 22 AWG   Conductor crossection (wire) 22 AWG   Conductor viscossection (wire) 22 AWG   Conductor wire Stranded copper wire, bare   Current load capacity (standard) to DIN DUE 0298-4   Current load capacity (standard) to DIN 0.1 15 %   Electrical resistance line constant wire 55 Ω/km @ 20 °C   Nominal voltage power AC max. 300 V   Electrical capacity (standard) 2 kV @ 60 s   Nominal voltage power (wire - shield) 2 kV @ 60 s   Rower fixition withstand voltage power (wire - shield) 2 kV @ 60 s   Min. operating temperature min. (dynamic) 30 °C   Operating temperature (statc) -40 °C   Max. operating temperature (statc) -40 °C   Max. operating temperature (statc) -40 °C </td <td>Outer-diameter (jacket)</td> <td>6,7 mm</td>	Outer-diameter (jacket)	6,7 mm
Color (Inner Jacket)     white       Material wire insulation     PE       Amount wires     4       Outer diameter insulation     1.55 mm       Outer diameter insulation     65 Shore D       Ingredient freeness wire insulation     65 Shore D       Ingredient freeness wire insulation     65 Shore D       Ingredient freeness wire insulation     64 free, CFC-free, halogen-free       Amount strands (wire)     7       Diameter of single wires     22 AWG       Conductor crosssection (wire)     22 AWG       Current load capacity (standard)     to DIN VDE 0286-4       Current load capacity (wire wire)     52 Ω/km @ 20 °C       Nominal voltage power (wire - wire)     52 Ω/km @ 20 °C       Ac withstand voltage power (wire - wire)     52 Ω/km @ 20 °C       Row are transition voltage power (wire - wire)     2 kV @ 60 s	Tolerance outer diameter (sheath)	±5%
Material wire insulationPEAmount wires4Outer diameter insulation1,55 mmOuter diameter insulation45 %Shore hardness wire insulation65 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires22 AWGConductor crossection (wire)22 AWGConductor vorsessection (wire)22 AWGCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (wine wire)55 Ωkm @ 20 °CNominal voltage power AC max.300 VElectrical resistance line constant (wire - wire)2 kV @ 60 sPower frequency withstand voltage power2 kV @ 60 sPower frequency withstand voltage power2 kV @ 60 sMin: operature (statle)40 °CMax. operating temperature (statle)40 °CMax. operating temperature (statle)30 °COperating temperature (statle)30 °LOperating temperature (statle)70 °CFlame resistanceUL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingGil resistanceGood, application-related testingGil resistanceGood, ap	Material inner jacket	FRNC
Amount wires 4   Outer diameter insulation 1,55 mm   Outer diameter tolerance core insulation 15 %   Shore hardness wire insulation 65 Shore D   Ingredient freeness wire insulation lead-free, CFC-free, halogen-free   Amount strands (wire) 7   Diameter of single wires 22 AWG   Conductor crossection (wire) 22 AWG   Conductor vire Stranded copper wire, bare   Current load capacity (standard) to DIN VDE 0298-4   Current load capacity (standard) to DIN VDE 0298-4   Current load capacity (min. wire 4,8 A   Characteristic impedance 100 Ω ± 15 %   Electrical capacity (intin. wire) 55 Ωkm @ 20 °C   Nominal voltage power AC max. 300 V   Electrical capacity line constant (wire - wire) 52000 pF/km   AC withstand voltage power (wire - shield) 2 kV @ 60 s   Power frequency withstand voltage power 2 kV @ 60 s   Min. operating temperature (static) 40 °C   Max. operature time. (dynamic) 30 °C   Operating temperature (static) 40 °C   Max. operature min. (dynamic) 30 °C   Operating temperature (static) 40 °C   Filme resistance UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FTZ   Charentig resi	Color (inner jacket)	white
Outer diameter insulation     1.55 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     65 Shore D       Ingredient freeness wire insulation     lead-free, CFC-free, halogen-free       Amount strands (wire)     7       Diameter of single wires     22 AWG       Conductor crosssection (wire)     22 AWG       Material conductor wire     Stranded copper wire, bare       Current load capacity mix. wire     4.8 A       Characteristic impedance     100 Ω ± 15 %       Electrical resistance line constant wire     55 2/km @ 20 °C       Nominal voltage power AC max.     300 V       Electrical capacity line constant (wire - wire)     2k V@ @ 0 s       Power frequency withstand voltage power (wire - shield)     2 k V@ @ 0 s       Min. operating temperature (static)     -40 °C       Max. operating temperature (kited)     40 °C       Max. operating temperature (dynamic)     70 °C       Planeting temperature (max. (dynamic))     70 °C       Operating temperature (max. (dynamic))     70 °C       Flame resistance     Good, application-related testing       Gasoline resistance     Good, application-rela	Material wire insulation	PE
Outer diameter tolerance core insulation $\pm 5 \%$ Shore hardness wire insulation65 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires22 AWGConductor crosssection (wire)22 AWGConductor wireStranded copper wire, bareCurrent load capacity (standard)to DIN VDE 0294-4Current load capacity (standard)to DIN VDE 0294-4Current load capacity (standard)to DIN VDE 0294-4Characteristic impedance100 $\Omega \pm 15 \%$ Electrical resistance line constant wire55 $\Omega/km @ 20 °C$ Nominal voltage power AC max.300 VElectrical capacity line constant (wire - wire)2kV @ 60 sPower frequency withstand voltage power2 kV @ 60 sAC withstand voltage power (wire - shield)2 kV @ 60 sMin. operating temperature (fixed)40 °COperating temperature (kingen)30 °COperating temperature (max)70 °CFlame resistanceGod, application-related testingGasoline resistanceGod, application-related testingGasoline resistanceGod, application-related testingGasoline resistanceGod, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingGin resistanceGood, application-related testing<	Amount wires	4
Shore hardness wire insulation     65 Shore D       Ingredient freeness wire insulation     lead-free, CFC-free, halogen-free       Amount strands (wire)     7       Diameter of single wires     22 AWG       Material conductor wire     Stranded copper wire, bare       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Characteristic impedance     100 Ω ± 15 %       Electrical resistance line constant wire     55 Ω/km @ 20 °C       Nominal voltage power AC max.     300 V       Electrical capacity line constant (wire - wire)     52000 pF/km       AC withstand voltage power (wire - shield)     2 kV @ 60 s       Power frequency withstand voltage power (wire - shield)     2 kV @ 60 s       Power frequency withstand voltage power (wire - wire)     2 kV @ 60 s       Min. operating temperature (staic)     -40 °C       Max. operating temperature (staic)     -40 °C       Max. operating temperature (staic)     -30 °C       Operating temperature (s	Outer diameter insulation	1,55 mm
Ingredient freeness wire insulation     lead-free, CFC-free, halogen-free       Amount strands (wire)     7       Diameter of single wires     22 AWG       Conductor crosssection (wire)     22 AWG       Material conductor wire     Stranded copper wire, bare       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Characteristic impedance     100 Ω ± 15 %       Electrical resistance line constant wire     55 Ω/km @ 20 °C       Nominal voltage power AC max.     300 V       Electrical capacity line constant (wire - wire)     52000 pF/km       AC withstand voltage power (wire - shield)     2 kV @ 60 s       Power frequency withstand voltage power (wire - wire)     2 kV @ 60 s       AC withstand voltage power (wire - wire)     2 kV @ 60 s       Ma. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Max. operating temperature max. (dynamic)     -30 °C       Operating temperature max. (dynamic)     -30 °C       Operating temperature max. (dynamic)     -30 °C       Power freeisstance     UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2	Outer diameter tolerance core insulation	±5%
Amount strands (wire)7Diameter of single wires22 AWGConductor crosssection (wire)22 AWGMaterial conductor wireStranded copper wire, bareCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4.8 ACharacteristic impedance100 $\Omega \pm 15$ %Electrical resistance line constant wire55 $\Omega$ /km @ 20 °CNominal voltage power AC max.300 VElectrical capacity line constant (wire - wire) (power)52000 pF/kmAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-30 °COperating temperature max. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-rela	Shore hardness wire insulation	65 Shore D
Diameter of single wires22 AWGConductor crosssection (wire)22 AWGMaterial conductor wireStranded copper wire, bareCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (min. wire4.8 ACharacteristic impedance100 Ω ± 15 %Electrical resistance line constant wire55 Ω/km @ 20 °CNominal voltage power AC max.300 VElectrical capacity line constant (wire - wire) (power)52000 pF/kmAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire) (power)2 kV @ 60 sAC withstand voltage power (wire - wire) (power)2 kV @ 60 sAC withstand voltage power (wire - wire) (power)2 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature (fixed)80 °COperating temperature (fixed)30 °COperating temperature (fixed)70 °CFlame resistanceUL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil r	Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Conductor cossection (wire)22 AWGMaterial conductor wireStranded copper wire, bareCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 ACharacteristic impedance100 Ω ± 15 %Electrical resistance line constant wire55 Ω/km @ 20 °CNominal voltage power AC max.300 VElectrical capacity line constant (wire - wire) (power)52000 pF/kmAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2Chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)6 x Outer diameter	Amount strands (wire)	7
Material conductor wire   Stranded copper wire, bare     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   4,8 A     Characteristic impedance   100 Ω ± 15 %     Electrical resistance line constant wire   55 Ω/km @ 20 °C     Nominal voltage power AC max.   300 V     Electrical capacity line constant (wire - wire)   52000 pF/km     AC withstand voltage power (wire - shield)   2 kV @ 60 s     Power frequency withstand voltage power   2 kV @ 60 s     Power frequency withstand voltage power (wire - wire)   2 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (fixed)   80 °C     Operating temperature min. (dynamic)   -30 °C     Operating temperature max. (dynamic)   70 °C     Flame resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-relat	Diameter of single wires	22 AWG
Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   4,8 A     Characteristic impedance   100 Ω ± 15 %     Electrical resistance line constant wire   55 Ω/km @ 20 °C     Nominal voltage power AC max.   300 V     Electrical capacity line constant (wire - wire) (power)   52000 pF/km     AC withstand voltage power (wire - shield)   2 kV @ 60 s     Power frequency withstand voltage power (wire - jacket)   2 kV @ 60 s     AC withstand voltage power (wire - wire)   2 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (fixed)   80 °C     Operating temperature min. (dynamic)   -30 °C     Operating temperature max. (dynamic)   70 °C     Flame resistance   UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance	Conductor crosssection (wire)	22 AWG
Current load capacity min. wire   4,8 A     Characteristic impedance   100 Ω ± 15 %     Electrical resistance line constant wire   55 Ω/km @ 20 °C     Nominal voltage power AC max.   300 V     Electrical capacity line constant (wire - wire) (power)   52000 pF/km     AC withstand voltage power (wire - shield)   2 kV @ 60 s     Power frequency withstand voltage power (wire - jacket)   2 kV @ 60 s     AC withstand voltage power (wire - wire)   2 kV @ 60 s     AC withstand voltage power (wire - wire)   2 kV @ 60 s     AC withstand voltage power (wire - wire)   2 kV @ 60 s     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 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance	Material conductor wire	Stranded copper wire, bare
Characteristic impedance100 Ω ± 15 %Electrical resistance line constant wire55 Ω/km @ 20 °CNominal voltage power AC max.300 VElectrical capacity line constant (wire - wire) (power)52000 pF/kmAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)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 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire   55 Ω/km @ 20 °C     Nominal voltage power AC max.   300 V     Electrical capacity line constant (wire - wire)   52000 pF/km     AC withstand voltage power (wire - shield)   2 kV @ 60 s     Power frequency withstand voltage power (wire - wire)   2 kV @ 60 s     AC withstand voltage power (wire - wire)   2 kV @ 60 s     AC withstand voltage power (wire - wire)   2 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Operating temperature min. (dynamic)   -30 °C     Operating temperature max. (dynamic)   70 °C     Flame resistance   UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing   DIN EN 60811-404	Current load capacity min. wire	4,8 A
Nominal voltage power AC max.300 VElectrical capacity line constant (wire - wire) (power)52000 pF/kmAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)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 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingDin EN 60811-404Bending radius (fixed)6 x Outer diameter	Characteristic impedance	100 Ω ± 15 %
Electrical capacity line constant (wire - wire) (power)52000 pF/kmAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)6 x Outer diameter	Electrical resistance line constant wire	55 Ω/km @ 20 °C
S2000 pF/KIIAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)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 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOuter diameter6 x Outer diameter	Nominal voltage power AC max.	300 V
Power frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)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 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)6 x Outer diameter		52000 pF/km
(wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)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 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-rel	AC withstand voltage power (wire - shield)	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 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)6 x Outer diameter		2 kV @ 60 s
Max. operating temperature (fixed)   80 °C     Operating temperature min. (dynamic)   -30 °C     Operating temperature max. (dynamic)   70 °C     Flame resistance   UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Din En 60811-404   6 x Outer diameter	AC withstand voltage power (wire - wire)	2 kV @ 60 s
Operating temperature min. (dynamic)   -30 °C     Operating temperature max. (dynamic)   70 °C     Flame resistance   UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic)   70 °C     Flame resistance   UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Din EN 60811-404     Bending radius (fixed)   6 x Outer diameter	Max. operating temperature (fixed)	0° 08
Flame resistance   UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing   DIN EN 60811-404     Bending radius (fixed)   6 x Outer diameter	Operating temperature min. (dynamic)	-30 °C
chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing   DIN EN 60811-404     Bending radius (fixed)   6 x Outer diameter	Operating temperature max. (dynamic)	70 °C
Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing   DIN EN 60811-404     Bending radius (fixed)   6 x Outer diameter	Flame resistance	UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
Oil resistance Good, application-related testing   DIN EN 60811-404   Bending radius (fixed) 6 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (fixed) 6 x Outer diameter	Gasoline resistance	Good, application-related testing
Bending radius (fixed) 6 x Outer diameter	Oil resistance	Good, application-related testing   DIN EN 60811-404
	Bending radius (fixed)	
		12 x Outer diameter

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: 2024-04-18

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