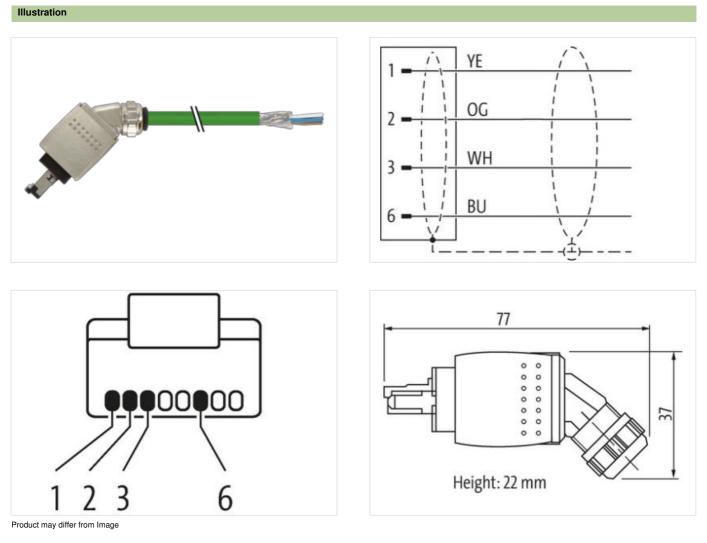


RJ45 Push Pull male 45° with cable AIDA

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 3m

Product fulfills requirements according to UN/ECE R118 Ethernet CAT5 Male straight RJ45PP, 4-pole shielded Push Pull 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





Cable length

3 m

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: 2024-05-21

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stay connected

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	EC002599
customs tariff number	85444210
GTIN	4048879375016
Packaging unit	1
Electrical data Supply	
Operating voltage DC max.	60 V
Operating voltage DC max. (UL-listed)	30 V
Current operating per contact max.	1,76 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 fund	
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	1 kV
Material group (IEC 60664-1)	I
Mechanical data	
Contour for corrugated hose	without
Mechanical data Material data	
Coating locking	Nickeled
Locking material	Zinc die-casting
Mechanical data Mounting data	
Looking techniques	Push Pull
Environmental characteristics Climatic	
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.
	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Note on bending radius	endangered by excessive bending forces.
-	
Installation Cable	endangered by excessive bending forces.
Installation Cable	endangered by excessive bending forces. 796
Installation Cable Cable identification Jacket Color	endangered by excessive bending forces. 796 green
Installation Cable Cable identification Jacket Color Type of Certificate	endangered by excessive bending forces. 796 green cURus
Note on bending radius Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding	endangered by excessive bending forces. 796 green

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Banding Fileon. Foll File yes wire arrangement wite, yelkow, blue, orange Cable weight 93 g/m Material jackat PUR Shror hardness jackat 98 Shore A Freedom from ingreedorits (tackal) 68 do free, candium free, CFC free, halogen free, allocone-free Cable weight 5 % Material insci 16 % Material insci (tackat) 5 % Material insci (tackat) 7 m Older dimeter (inscing) 7 m Anoant vires 4 Outer diameter insulation 9 E Anoant vires 4 Outer diameter insulation 16 free, chalogen free Material vire insulation 16 % Shore hardness wire insulation 16 Shore D Ingreeden free instige 2 MVG Contruct crossection (vire) 22 AWG Material conductor vire Standed copper vire, bare Trave speed (Chack) 3 m @ 25 °C Trave speed (Chack) 3 m @ 25 °C Trave speed (Chack) 3 M @ 25 °C	Cable shielding (coverage)	85 %
wire arrangement white, yellow, blue, orange Cable weight 99.3 g/m Material jacket PUR Shore hardness jacket 99 Shore A Feedem from ingedentis tigket(st) lead free, carmum free, CFC free, halogen free, silicone free Order-diameter (jacket) 6.7 mm Tolerance outer diameter (sealer) 6.7 mm Tolerance outer diameter (sealer) 6.8 % Material interiguidentis tigket FRNO Color rinner jacket FRO Color rinner jacket FRO Outer diameter breakation 1.4 mm Outer diameter breakation 9.5 % Shore hardness weir insulation 1.6 Shore D Ingredient freeness wire insulation 65 Shore D Ingredient freeness wire insulation 2.2 AWG Material jack (wol) 7 Travest goed (Chack) 3.6 w/g St °C Travel speed (Chack) 3.8 w/g St °C Nominal votatage Admas 300 V Current toxit capacity (standard) to NVE Ces9-4 Current toxit capacity (standard) to NVE Ces9-4 Current toxit capacity (stan	Banding	Fleece, Foil
Cable weigh 68.3 g/m Material jacked PUR Material jacked PUR Shore hardness jacket 89 Shore A Freedom from ingredients (globet) lead-free, catmium-free, CFC-free, halogen-free Oute-clamater (jacket) 6,7 mm Oute-clamater (jacket) 6,7 mm Order clamater (jacket) 1,5 % Material inner jacket FRNC Color (inner jacket) num Material wire insulation PE Armount wires 4 Outer diameter insulation 1,4 mm Outer diameter insulation 1,5 % Shore hardness wire insulation 1,5 % Material wire insulation 1,4 mm Outer diameter insulation 1,6 % Shore D Improdient framesies wire insulation 1,8 % Conductor crosssection (wire) 22 AWG Conductor wire Stranded opper wire, bare Travel speed (C+rack) 5 m @ 25 °C Travel speed (C-track) 3,8 m & @ 25 °C Travel speed (C-track) 3,8 m & @ 25 °C Travel speed (C-track)	Filler	yes
Material jucket PUR Shore hardness jacket 89 Shore A Freedom from ingredents (jacket) 16.47 mm Toldrance outer diameter (jacket) 6.7 mm Toldrance outer diameter (jacket) 15 % Material inser jacket FRNC Color (mer jacket) natur Material inser jacket PE Around wires 4 Outer diameter insulation 1.4 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 62 Shore D Ingredient freeness wire insulation 62 Shore D Ingredient wire 22 AWG Canductor crossection (wire) 22 AWG Canductor wire Strandod copper wire, bare Travel speed (Crack) 5 m @ 25 °C Travel speed (Crack) 3 Mio. @ 25 °C Travel speed (Crack) 3 merge 25 °C Travel speed (Crack) 3 Mio. @ 25 °C Travel speed (Crack) 3 merge 25 °C Cu	wire arrangement	white, yellow, blue, orange
Shore hardness jacket 89 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free Outer diamater (jacket) 1.5 % Matarial inner jacket FRNC Color (inner jacket) nur Material inner jacket FRNC Color (inner jacket) nur Material inner jacket FRNC Color (inner jacket) nur Material inner jacket 4 Outer diameter insulation 1.4 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 62 Shore D Ingredient freeness wire insulation 62 Shore D Ingredient freeness wire insulation 62 Shore D Traversing diatarce (C-track) 5 mg 25 °C Traversing diatarce (C-track) 3 Mio. @ 25 °C Travel speed (C-track) 3 Mio. @ 25 °C Travel speed (C-track) 3 Mio. @ 25 °C Travel speed (C-track) 3 Mio. @ 25 °C Current doad capacity (min.	Cable weigth	69,3 g/m
Freedom from ingredients (jacket) lead free, cadmium-free, CFC-free, halogen-free Outer-diameter (jacket) 6.7 mm Tolerance outer diameter (sheath) 1.5 % Matorial inner jacket FRNC Color (inner jacket) natur Matorial wine insulation PE Amount wines 4 Outer diameter insulation 1.4 mm Outer diameter insulation 65 Sinore D Ingredient freeness wire insulation 65 Sinore D Ingredient freeness wire insulation 65 Sinore D Conductor crossection (wire) 7 Diameter of single wires 22 AWG Conductor crossection (wire) 32 XMG Conductor crossection (wire) 32 XMG Conductor crossection (wire) 32 XMG Conductor crossection (wire) 33 ms @ 25 °C Travel speed (C-track) 3,3 ms @ 25 °C Nominal voltage AC max. 300 V Current load capacity (standard) 10 DN VEE 0298.4 Current load capacity (standard) 5000 VE Carrent load capacity (standard) 5000 VE Carrent load capacity (standard) 5000 VE Carrent load cap	Material jacket	PUR
Outer-diameter (jacket) 6,7 mm Tolerance outer diameter (jacket) 15 % Material iner jacket FINC Color (inner jacket) natur Material iner jacket) natur Material iner jacket) natur Material iner jacket) 14 mm Outer diameter insulation 1,4 mm Outer diameter of derance core insulation 15 % Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation 66 Shore D Ingredient freeness wire insulation 1ead-free, CFC-free, halogen-free Amount stands (wire) 7 Diameter of Jingre wires 22 AWG Conductor crosssection (wire) 22 AWG Conductor wire Straded copper wire, bare Traver signets (C-track) 5 Mio. @ 25 °C Travel speed (C-track) 3 Mio. @ 25 °C Normal voltage AC max. 300 V Current load capacity (istandard) to D1 VDE 0298-4 Current load capacity (istandard) to D1 VDE 0298-4 Current load capacity (istandard) to D1 VDE 0298-4 Curent load capaci	Shore hardness jacket	89 Shore A
Tolerance outer diameter (sheath) \pm 5 %Material inner jacketFNNCColor (Inner jacket)naturMaterial wire insulationPEArnourt wires4Outer diameter insulation1.4 mmOuter diameter insulation65 Shore DIngredient freeness wire insulation66 Shore DIngredient freeness wire insulation66 Shore DIngredient freeness wire insulation68 Shore DIngredient freeness wire insulation68 Shore DConcluster of single wires22 AWGConductor crosses wire insulation82 SAWGConductor crosses store insulation57 mGDiameter of single wires22 AWGConductor crossescelion (wire)22 AWGMaterial conductor wireStranded copper wire, bareTraversing distance (C track)5 m @ 25 °CTravel speed (C track)3.0 m/e @ 25 °CTowale speed (C track)3.0 m/e @ 25 °CNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard) </td <td>Freedom from ingredients (jacket)</td> <td>lead-free, cadmium-free, CFC-free, halogen-free, silicone-free</td>	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material inner jacketFRNCColor (mer jacket)naturMaterial wire isulationPEAmount wires4Outer diameter insulation1.4 mmOuter diameter insulation15 %Shore hardness wire insulation65 Shore DIngredient freeness wire insulation16 %Material were insulation65 Shore DIngredient freeness wire insulationlead free, CFC free, halogen-freeAmount Stands (wire)7Diameter of single wires22 AWGConductor crossection (wire)22 AWGMaterial conductor wireStranded coper wire, bareTraversing distance (C-track)5 m @ 25 °CTravel speed (C-track)3.0 Nio. @ 25 °CTravel speed (C-track)3.0 Nio. @ 25 °CNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 2098-4Current load capacity (standard)to DIN VDE 2098-4Current load capacity (standard)to DIN OE 2098-6Electrical resistance line constant (wire - wire)50000 pF/kmPower frequency withstand voltage (wire - shield)2 kV @ 60 sElectrical capacity (standard)30 °COperating temperature (lix	Outer-diameter (jacket)	6,7 mm
Color (inner jacket)naturMaterial wire insulationPEAmount wires4Outer diameter insulation1.4 mmOuter diameter insulation5 Shore DIngredient freeness wire insulation65 Shore DIngredient freeness wire insulation65 Shore DIngredient freeness wire insulation62 Shore DIngredient freeness wire insulation62 Shore DConductor crossection (wire)7Diameter of single wires22 AWGConductor crossection (wire)22 AWGConductor crossection (wire)22 AWGConductor crossection (wire)5 m @ 25 °CTravel speet (C-track)3 Mo. @ 25 °CTravel speet (C-track)3 Mo. @ 25 °CTravel speet (C-track)3.3 mis @ 25 °CNominal voltage AC max.300 VCurrent load capacity min. wire4.8 ACharacteristic impedance100 D ± 15 % @ 100 MHzElectrical resistance line constant wire55 ΩAm @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sLoop resistance50000 PF/rmPower frequency withstand voltage (wire - wire)2 kV @ 60 sLoop resistance50000 ML x kmMin. operating temperature (static)-40 °CMax. operating temperature (static) <td< td=""><td>Tolerance outer diameter (sheath)</td><td>±5%</td></td<>	Tolerance outer diameter (sheath)	±5%
Material wire insulationPEAmount wires4Outer diameter tolerance core insulation $\pm 5 \%$ Shore hardness wire insulation65 Shore DIngredient freeness wire insulation65 Shore DIngredient freeness wire insulation62 Shore DConductor crossection (wire)7Diameter of single wires22 AWGConductor viresStranded copper wire, bareTravering distance (C-track)5 m @ 25 °CTravel speed (C-track)3 Mio. @ 25 °CTravel speed (C-track)3 Mio. @ 25 °CTravel speed (C-track)3 Mio. @ 25 °CConductor wireStranded copper wire, bareCurrent load capacity fits (Marder)10 N VDE 0298-4Current load capacity fits (Marder)10 D N VDE 0298-4Current load capacity fits (Marder)50 D/M @ 20 °CCaracteristic impedance100 $\Omega \pm 15 \%$ @ 100 MHzElectrical resistance line constant wire55 D/M @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sLoop resistance50000 DF/kmPower frequency withstand voltage (wire - shield)2 kV @ 60 sLoop resistance6000 MG × kmMin. operating temperature (fited)80 °COperating temperature (fited)80 °COp	Material inner jacket	FRNC
Amount wires 4 Outer diameter insulation 1.4 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 66 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 Conductor vire Stranded copper wire, bare Travel speed (C-track) 5 m @ 25 °C Travel speed (C-track) 3.3 m/s @ 25 °C Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity wire wire) 2 KV @ 60 s Electrical resistance line constant wire 55 O/km @ 20 °C AC withstand voltage (wire - wire) 50000 pF/km Power frequency withstand voltage (wire - shield) 2 KV @ 60 s AC withstand voltage (wire - shield) 2 KV @ 60 s	Color (inner jacket)	natur
Outer diameter insulation1.4 mmOuter diameter lolerance core insulation ± 5 %Shore hardness wire insulation ± 5 %Shore hardness wire insulation ± 5 %Imagedient freeness wire insulation ± 5 %Imagedient freeness wire insulation ± 6 % hore bardness (FC-free, halogen-freeAmount strands (wire)7Diameter of single wires 22 AWGConductor crossection (wire) 22 AWGMaterial conductor wireStranded copper wire, bareTaversing distance (C-track) 5 m @ 25 °CTravel speed (C-track) $3, mic @ 25 °C$ Travel speed (C-track) $3, mic @ 25 °C$ Nominal voltage AC max. 300 VCurrent load capacity (sindard)to DIN VDE 0286-4Current load capacity (sindard)to DIN VDE 0286-4Current load capacity (wind-wire) $2 KV @ 60$ sElectrical resistance line constant wire $55 \Omega km @ 20 °C$ AC withstand voltage (wire - wire) $2 KV @ 60$ sElectrical capacity line constant (wire - wire) $2 KV @ 60$ sCorrent load capacity (mice - wire) $2 kV @ 60$ sLoop resistance $5000 M\Omega \times km$ Min. operating temperature (static) $-40 °C$ Max. operating temperature (static) $-40 °C$ Max	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 AWGMaterial conductor wireStranded copper wire, bareTraversing distance (C-track)5 m @ 25 °CTravel speed (C-track)3 Mio. @ 25 °CTravel speed (C-track)3,3 m/s @ 25 °CTravel speed (C-track)3,3 m/s @ 25 °CCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (wire - wire)2 KV @ 60 sElectrical resistance line constant wire55 Ω km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sElectrical resistance line constant (wire - wire)2 kV @ 60 sLoop resistance50000 P/km Power frequency withstand voltage (wire - 30°CAC withstand voltage (wire - 100 $\Delta \pm$ 15 % (000 $M\Delta \times$ kmMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operature max. (dynamic)70 °CFlame resistanceEC6 032-22-1 UL 1581 § 1009 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGood, application-related testingBending radius (freed)Of resistanceGood, application-related testingBending radius (freed)5 × Outer diameterNo. of torsion cycles1 Mio. 25 °C	Amount wires	4
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, bareTraversing distance (C-track)5 m @ 25 °CTravel speed (C-track)3 Mio. @ 25 °CTravel speed (C-track)3,3 m/s @ 25 °CTravel speed (C-track)3,3 m/s @ 25 °CCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (min. wire4,8 ACharacteristic impedance100 $\Omega \pm 15 %$ @ 100 MHzElectrical resistance line constant wire55 $\Omega Q F Nn$ Power frequency withstand voltage (wire - wire)2 kV @ 60 sLectradic algority line constant (wire wire)2 kV @ 60 sAc withstand voltage (wire - shield)2 kV @ 60 sLoop resistance5000 M A × kmMin. operating temperature (static)-40 °CMax- operating temperature (static)30 °COperating temp	Outer diameter insulation	1,4 mm
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 Material conductor wire Stranded copper wire, bare Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 33 m/s @ 25 °C Travel speed (C-track) 33 m/s @ 25 °C Travel speed (C-track) 33 m/s @ 25 °C 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 (standard) to DIN VDE 0298-4 Current load capacity (win- wire) 2 kV @ 60 s Electrical resistance line constant wire 55 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 2 kV @ 60 s Ac withstand voltage (wire - shield) 2 kV @ 60 s Loop resistance 5000 MQ × km Min. operating temperature (static) -40 °C Max. operating temperature (static) -30 °C Operating temperature max. (dynamic) -30 °C </td <td>Outer diameter tolerance core insulation</td> <td>±5%</td>	Outer diameter tolerance core insulation	±5%
Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3 Mio. @ 25 °C Travel speed (C-track) 3.3 ms @ 25 °C Nominal voltage AC max. 300 V Current load capacity tistandard) to DIN VDE 0298-4 Current load capacity min. wire 4.8 A Characteristic impedance 100 Ω ± 15 % @ 100 MHz Electrical resistance line constant wire 55 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 50000 pF/km Power frequency withstand voltage (wire - shield) 2 kV @ 60 s Loop resistance 5000 MG × km Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Gasoline resistance Good, application-related testing	Shore hardness wire insulation	65 Shore D
Diameter of single wires22 AWGConductor crosssection (wire)22 AWGMaterial conductor wireStranded copper wire, bareTraversing distance (C-track)5 m @ 25 °CTravel speed (C-track)3 Mio. @ 25 °CTravel speed (C-track)3,3 m/s @ 25 °CNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (win- wire)4,8 AElectrical resistance line constant wire55 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sElectrical capacity line constant (wire wire)50000 pF/kmPower frequency withstand voltage (wire - gaked)2 kV @ 60 sJackel)2 kV @ 60 sLoop resistance5000 MΩ × kmMin. operating temperature min. (dynamic)-30 °COperating temperature min. (dynamic)-30 °COperating temperature min. (dynamic)70 °CFlame resistanceIEC 6032-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGaseline resistanceGood, application-related testingOlarenting temperature11 CC 0.00, application-related testingBending radius (fixed)5 × Outer diameterBending radius (fixed)5 × Outer diameterBending radius (fixed)5 × Outer diameterBending radius (fixed)12 × Outer diameter	Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3 Mio. @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to D0 Ω ± 15 % @ 100 MHz Electrical resistance line constant wire 5 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Loop resistance vithstand voltage (wire - shield) 2 kV @ 60 s Loop resistance 5000 MΩ × km Min. operating temperature min. (dynamic) -30 °C Operating temperature min. (dynamic) 70 °C Flame resistance IEC 60332-2-2 IUL 1581 § 1100 I UL 1581 § 1100 FT2 <td>Amount strands (wire)</td> <td>7</td>	Amount strands (wire)	7
Material conductor wireStranded copper wire, bareTraversing distance (C-track)5 m @ 25 °CTravel speed (C-track)3 Mio. @ 25 °CTravel speed (C-track)3, 3 m's @ 25 °CNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)100 $\Omega \pm 15 \%$ @ 100 MHzElectrical resistance line constant wire55 Ω km @ 20 °CAC withstand voltage (wire - wire)50000 pF/kmPower frequency withstand voltage (wire - wire)50000 pF/kmPower frequency withstand voltage (wire - shield)2 kV @ 60 sLoop resistance5000 MQ × kmMin. operating temperature (tsatc)-40 °CMax. operating temperature (tsatc)-30 °COperating temperature (tsatc)-30 °COperating temperature (tsatc)-30 °COperating temperature (tsatc)-70 °CFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingBending radius (fixed)5 × Cuter diameterNo. of torsion cycles1 Mio. 25 °C	Diameter of single wires	22 AWG
Traversing distance (C-track)5 m @ 25 °CTravel speed (C-track)3 Mio. @ 25 °CTravel speed (C-track)3,3 m/s @ 25 °CNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 ACharacteristic impedance100 $\Omega \pm 15 %$ @ 100 MHzElectrical resistance line constant wire55 Ω /km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sElectrical capacity line constant (wire - wire)50000 pF/kmPower frequency withstand voltage (wire - shield)2 kV @ 60 sLoop resistance5000 MQ × kmMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature (fixed)80 °COperating temperature max. (dynamic)70 °CFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceDIN NE N6811-404 Good, application-related testingGasoline radius (fixed)5 x Outer diameterNo. of torsion cycles1 Mio. 25 °C	Conductor crosssection (wire)	22 AWG
Travel speed (C-track) 3 Mio. @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C 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 4,8 A Characteristic impedance 100 Ω ± 15 % @ 100 MHz Electrical resistance line constant wire 55 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 50000 pF/km Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Loop resistance 5000 MΩ × km Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance God, application-related testing Gasoline resistance God, application-related testing Gasoline resistance DIN N 60811-404 God, application-related testing <	Material conductor wire	Stranded copper wire, bare
Travel speed (C-track)3,3 m/s @ 25 °CNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 ACharacteristic impedance100 Ω ± 15 % @ 100 MHzElectrical resistance line constant wire55 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sElectrical capacity line constant (wire - wire)50000 pF/kmPower frequency withstand voltage (wire - jacket)2 kV @ 60 sLoop resistance5000 MΩ × kmMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-30 °COperating temperature (mixe)70 °CFlame resistanceEEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceDiver Bottline HostlingGasoline resistanceGood, application-related testingGasoline resistanceDiver Good, application-related testingGasoline resistanceDiver Good, application-related testingGasoline resistanceDiver Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (fixed)5 x Outer diameterNo. of torsion cycles1 Mio. 25 °C	Traversing distance (C-track)	5 m @ 25 °C
Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4.8 ACharacteristic impedance100 $\Omega \pm 15\%$ @ 100 MHzElectrical resistance line constant wire55 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sElectrical capacity line constant (wire - wire)5000 pF/kmPower frequency withstand voltage (wire - jacket)2 kV @ 60 sLoop resistance5000 MQ × kmMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature (ixed)80 °COperating temperature max. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404 Good, application-related testingOli resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterNo. of torsion cycles1 Mio. 25 °C	Travel speed (C-track)	3 Mio. @ 25 °C
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 ACharacteristic impedance100 $\Omega \pm 15$ % @ 100 MHzElectrical resistance line constant wire55 Ω /km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sElectrical capacity line constant (wire - wire)50000 pF/kmPower frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sLoop resistance5000 MQ × kmMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature min. (dynamic)70 °CFlame resistanceEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingOil resistanceBood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDouter diameterBending radius (fixed)5 x Outer diameterNo. of torsion cycles1 Mio. 25 °C	Travel speed (C-track)	3,3 m/s @ 25 °C
Current load capacity min. wire4.8 ACharacteristic impedance100 $\Omega \pm 15 \% @ 100 \text{ MHz}$ Electrical resistance line constant wire $55 \Omega/\text{km} @ 20 °C$ AC withstand voltage (wire - wire) $2 \text{ kV} @ 60 \text{ s}$ Electrical capacity line constant (wire - wire) 50000 pF/km Power frequency withstand voltage (wire - jacket) $2 \text{ kV} @ 60 \text{ s}$ AC withstand voltage (wire - shield) $2 \text{ kV} @ 60 \text{ s}$ Loop resistance $50000 \Omega \times \text{km}$ 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 resistanceIEC 60332-2-2 UL 1581 § 1000 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed) $5 \times Outer diameter$ No. of torsion cycles1 Mio. 25 °C	Nominal voltage AC max.	300 V
Characteristic impedance $100 \Omega \pm 15 \% @ 100 \text{ MHz}$ Electrical resistance line constant wire $55 \Omega / \text{km} @ 20 ° \text{C}$ AC withstand voltage (wire - wire) $2 \text{ kV} @ 60 \text{ s}$ Electrical capacity line constant (wire - wire) 50000 pF/km Power frequency withstand voltage (wire - jacket) $2 \text{ kV} @ 60 \text{ s}$ AC withstand voltage (wire - shield) $2 \text{ kV} @ 60 \text{ s}$ Loop resistance $5000 \text{ MA} \times \text{km}$ Min. operating temperature (static)-40 °CMax. operating temperature (fixed) $80 ° \text{C}$ Operating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceElec 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (dynamic)12 x Outer diameterNo. of torsion cycles1 Mio. 25 °C	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire 55 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 50000 pF/km Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Loop resistance 5000 MΩ × km 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 IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 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) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of torsion cycles 1 Mio. 25 °C	Current load capacity min. wire	4,8 A
AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 50000 pF/km Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Loop resistance 5000 MΩ × km 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 IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of torsion cycles 1 Mio. 25 °C	Characteristic impedance	100 Ω ± 15 % @ 100 MHz
Electrical capacity line constant (wire - wire)50000 pF/kmPower frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sLoop resistance5000 MΩ × kmMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)12 x Outer diameterNo. of torsion cycles1 Mio. 25 °C	Electrical resistance line constant wire	55 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sLoop resistance5000 MΩ × kmMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)12 x Outer diameterNo. of torsion cycles1 Mio. 25 °C	AC withstand voltage (wire - wire)	2 kV @ 60 s
jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sLoop resistance5000 MΩ × kmMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 × Outer diameterBending radius (dynamic)12 × Outer diameterNo. of torsion cycles1 Mio. 25 °C	Electrical capacity line constant (wire - wire)	50000 pF/km
Loop resistance5000 MΩ × kmMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical 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 (fixed)5 × Outer diameterBending radius (dynamic)12 × Outer diameterNo. of torsion cycles1 Mio. 25 °C		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 resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)12 x Outer diameterNo. of torsion cycles1 Mio. 25 °C	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 resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)12 x Outer diameterNo. of torsion cycles1 Mio. 25 °C	Loop resistance	5000 MΩ × km
Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of torsion cycles 1 Mio. 25 °C	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of torsion cycles 1 Mio. 25 °C	Max. operating temperature (fixed)	80 °C
Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of torsion cycles 1 Mio. 25 °C	Operating temperature min. (dynamic)	-30 °C
chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)12 x Outer diameterNo. of torsion cycles1 Mio. 25 °C	Operating temperature max. (dynamic)	70 °C
Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of torsion cycles 1 Mio. 25 °C	Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of torsion cycles 1 Mio. 25 °C	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of torsion cycles 1 Mio. 25 °C	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 12 x Outer diameter No. of torsion cycles 1 Mio. 25 °C	Oil resistance	DIN EN 60811-404 Good, application-related testing
No. of torsion cycles 1 Mio. 25 °C	Bending radius (fixed)	5 x Outer diameter
· · · ·	Bending radius (dynamic)	12 x Outer diameter
	No. of torsion cycles	1 Mio. 25 °C
Torsion stress ± 180 °/m	Torsion stress	± 180 °/m

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: 2024-05-21

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