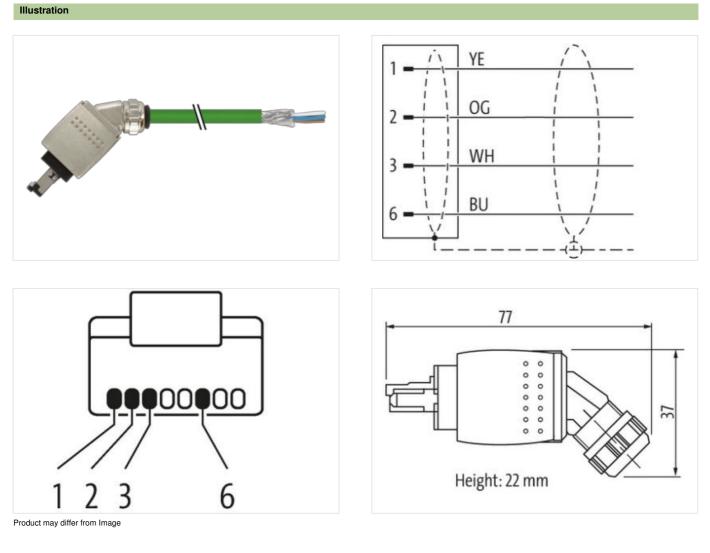


RJ45 Push Pull male 45° with cable AIDA

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 7.5m

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

7,5 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: 2024-05-18

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EC002599

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4048879375030

Commercial data ECLASS-6.0

ECLASS-6.1

ECLASS-7.0

ECLASS-8.0

ECLASS-9.0

ECLASS-10.1

ECLASS-11.1

ECLASS-12.0

customs tariff number

ETIM-5.0

GTIN



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 functionality		
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)		
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.	
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	

Installation | Cable

Installation Gable	
Cable identification	796
Jacket Color	green
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires around Core filler twisted
Cable shielding (type)	copper braid, tinned

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Banding Flace. Foll Filer yes wire arrangement wilk yolkov, blue, orange Cable weight 69.3 gm Material jacket PUR Shore hardness jacket 89 Shore A Freedent from ingredentis (jacket) 1.8 ad Free. cadminu-ree, CFC-tree, halogen-free. silicone-free Cuber-diameter (jacket) 1.5 % Color (inner jacket) 1.5 % Color (inner jacket) 1.6 % Color (inner jacket) 1.6 % Color (inner jacket) 1.4 mm Color (inner jacket) 5 % Shore harchness wire insulation 1.6 % Shore harchness wire insulation 1.6 % Color (inner jacket) 5 m @ 25 % Travering distance (C-track) 5 m @ 25 % Travering distance (C-track) 5 m @ 25 % Travering distance (C-track) 5 m @ 25 %	Cable shielding (coverage)	85 %
File yes wile arrangement wile yellow, blue, orange Cable weigh 63 g/m Material packet PUR Shore hardness jacket 85 Shore A Freedom from ingredient's (jacket) 67 mm Outer diameter (jacket) 67 mm Outer diameter (jacket) 67 mm Orderance outer diameter (shath) 2 5 % Material wire insulation PE Amount wires 4 Outer diameter insulation 14 mm Outer diameter insulation 5 Since D Shore hardness wire insulation 65 Shore D Shore hardness wire insulation 16 darket, CPC rise, halogen-free Amount wires 4 Outer diameter insulation 16 darket, CPC rise, halogen-free Amount wires 25 Since D Shore hardness wire insulation 16 darket, CPC rise, halogen-free Amount wires 22 AWG Contactor crossessection (wire) 23 AWG Contactor crossescolon (wire) 33 mk@ Ø 5 °C Travel speed (C-track) 3 mk@ Ø 5 °C Travel speed (C-tra		
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Material inner jacket FRNC Color (innor jacket) natur Material wire insulation PE Amount wires 4 Outer diameter insulation 1.4 mm Cutre diameter insulation 6 Shore D Ingredient freeness wire insulation 6 Shore D Ingredient freeness wire insulation lead-free, CFC-tree, halogen-free Amount stands (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) 3,0 m/s @ 25 °C Travel speed (C-track) 3,0 m/s @ 25 °C Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 028-4 Current load capacity (standard) to DIN VDE 0298-4		
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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 crosssection (wire)22 AWGTraversing distance (C-track)5 m @ 25 °CTravel speed (C-track)3 Min. @ 25 °CTravel speed (C-track)3.3 mis @ 25 °CTravel speed (C-track)3.3 mis @ 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 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sLectrical capacity inine constant wire50000 pF/kmPower frequency withstand voltage (wire - shield)2 kV @ 60 sLoop resistance5000 M $\Omega \times km$ Min. operating temperature (static)-40 °CMax. operating temperature (static)70 °CFlame resistanceIEC 6032-22 LU LIS81 § 1100 FT2Chernel resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingBending radius (fixed)5 x Outer diameterNo. d torsion cycles1 No. 25 °C	Outer diameter insulation	1,4 mm
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 vireStranded copper wire, bareTraversing distance (C-track)5 m @ 25 °CTravel speed (C-track)3 Min. @ 25 °CTravel speed (C-track)3,3 mis @ 25 °CTravel speed (C-track)3,3 mis @ 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 arealistance line constant wire55 $\Omega km @ 20 °C$ AC withstand voltage (wire - wire)2 kV @ 60 sLeopreting upperature (static)2 kV @ 60 sLoop resistance50000 pF/kmPower frequency withstand voltage (wire - shield)2 kV @ 60 sLoop resistance5000 M $\Omega \times km$ Min. operating temperature (static)-40 °CMax. operating temperature (static)-30 °COperating temperature (static)-30 °COperating temperature (static)70 °CFlame resistanceGc 603 application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingDin Lin Ko8811-404 [Good, application-related testingS × Outer diameterBending radius (fixed)5 × Outer diameter	Outer diameter tolerance core insulation	±5%
Amount 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)2 kV @ 60 sElectrical capacity line constant (wire - wire)2 kV @ 60 sLoop resistance50000 pF/kmMin. operating temperature (static)-40 °CMax. operating temperature (static)		
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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 (standard)to DIN VDE 0298-4Current load capacity (min. wire)4,8 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 sLoop resistance5000 MO × kmMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature min. (dynamic)-30 °COperating temperature min. (dynamic)-30 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingOir resistanceDIN Colt.Bending radius (fixed)5 × Outer diameterBending radius (fixed)5 × Outer diameterBending radius (fixed)5 × Outer diameterBending	Amount strands (wire)	
Material conductor wireStranded copper wire, bareTraversing distance (C-track) $5 \text{ m} @ 25 ^{\circ}\text{C}$ Travel speed (C-track) $3 \text{ Mio. } @ 25 ^{\circ}\text{C}$ Travel speed (C-track) $3 \text{ Mio. } @ 25 ^{\circ}\text{C}$ Nominal voltage AC max. $300 ^{\vee}$ Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard) $100 ^{\circ}\text{L} 15 ^{\circ} @ 100 ^{MHz}$ Electrical resistancefile 0.0 $^{\circ}\text{L} 15 ^{\circ} @ 100 ^{MHz}$ Electrical resistance line constant wire $55 ^{Okm} @ 20 ^{\circ}\text{C}$ AC withstand voltage (wire - wire) $2 ^{kV} @ 60 ^{s}$ Electrical capacity line constant (wire - wire) $50000 ^{p/km}$ Power frequency withstand voltage (wire - apacter) $2 ^{kV} @ 60 ^{s}$ Loop resistance $5000 ^{MQ} ^{km}$ Min. operating temperature (static) $40 ^{\circ}\text{C}$ Max. operating temperature (tkeel) $80 ^{\circ}\text{C}$ Operating temperature max. (dynamic) $70 ^{\circ}\text{C}$ Flame resistanceElectoi Co322-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceDiol Application-related testingGasoline resistanceDiol Application-related testingOil resistanceDivertidameterBending radius (fixed) $5 ^{\circ}$ Cuter diameterBending radius (fixed) $5 ^{\circ}$ Cuter diameterNo. of torsion cycles1 $^{100} ^{5} ^{\circ} ^{\circ}$		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 (standard)100 NV ± 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 MQ × kmMin. operating temperature (fixed)2 kV @ 60 sLoop resistance5000 MQ × kmMin. operating temperature (fixed)80 °COperating temperature (fixed)80 °COperating temperature min. (dynamic)70 °CFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceDNL NE 08811-404 Good, application-related testingOperating temperature min. (dynamic)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) $3,3 \text{ m/s @ 25 °C}$ Nominal voltage AC max. 300 V Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire $4,8 \text{ A}$ Characteristic impedance $100 \Omega \pm 15 \% @ 100 \text{ MHz}$ 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) $2 \text{ kV } @ 60 \text{ s}$ Ac withstand voltage (wire - iacket) $2 \text{ kV } @ 60 \text{ s}$ Ac withstand voltage (wire - shield) $2 \text{ kV } @ 60 \text{ s}$ Loop resistance $50000 \text{ M} \times \text{km}$ Min. operating temperature (static) $-40 °C$ Max. operating temperature (isted) $80 °C$ Operating temperature (ixed) $80 °C$ Operating temperature (ixed) $30 °C$ Operating temperature min. (dynamic) $-30 °C$ Characteristic max. (dynamic) $70 °C$ Flame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed) $5 \times Outer diameter$ No. of torsion cycles1 Mio. 25 °C	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 °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 testingGasoline resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 × Outer diameterNo. of torsion cycles1 Mio. 25 °C	Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track) $3,3 \text{ m/s} @ 25 °C$ Nominal voltage AC max. $300 V$ Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire $4,8 A$ Characteristic impedance $100 \Omega \pm 15 \% @ 100 \text{ MHz}$ Electrical resistance line constant wire $55 \Omega \text{ Arm} @ 20 °C$ 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) $2 \text{ kV} @ 60 \text{ s}$ Loop resistance 5000 MQ x km Min. operating temperature (static) $-40 °C$ Max. operating temperature (static) $-40 °C$ Operating temperature (ixed) $80 °C$ Operating temperature max. (dynamic) $-30 °C$ Operating temperature max. (dynamic) $70 °C$ Flame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404 Good, application-related testingGasoline resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed) $5 \times \text{Outer diameter}$ Bending radius (fixed) $5 \times \text{Outer diameter}$	Travel speed (C-track)	3 Mio. @ 25 °C
Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 ACharacteristic impedance100 $\Omega \pm 15 \% \oplus 100$ MHzElectrical resistance line constant wire55 $\Omega/km \oplus 20 \ ^{\circ}C$ AC withstand voltage (wire - wire)2 kV \oplus 60 sElectrical capacity line constant (wire - wire)50000 pF/kmPower frequency withstand voltage (wire - jacket)2 kV \oplus 60 sLoop resistance5000 M $\Omega \times km$ Min. operating temperature (static)-40 $\ ^{\circ}C$ Max. operating temperature (static)-40 $\ ^{\circ}C$ Max. operating temperature (ixed)80 $\ ^{\circ}C$ Operating temperature min. (dynamic)-30 $\ ^{\circ}C$ Operating temperature max. (dynamic)70 $\ ^{\circ}C$ Flame resistanceEC 60322-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Cuter diameterBending radius (dynamic)12 x Outer diameterNo. of torsion cycles1 Mio. 25 $\ ^{\circ}C$		-
Current load capacity min. wire4,8 ACharacteristic impedance100 $\Omega \pm 15 \% @ 100$ MHzElectrical resistance line constant wire $55 \Omega/km @ 20 °C$ 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 $5000 M\Omega \times km$ Min. operating temperature (static) $-40 °C$ Max. operating temperature (fixed) $80 °C$ Operating temperature min. (dynamic) $-30 °C$ Coperating temperature max. (dynamic) $70 °C$ Flame resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed) $5 x Outer diameter$ No. of torsion cycles $1 Mio. 25 °C$		300 V
Current load capacity min. wire4,8 ACharacteristic impedance100 $\Omega \pm 15 \% @ 100$ MHzElectrical resistance line constant wire $55 \Omega/km @ 20 °C$ 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 $5000 M\Omega \times km$ Min. operating temperature (static) $-40 °C$ Max. operating temperature (fixed) $80 °C$ Operating temperature min. (dynamic) $-30 °C$ Coperating temperature max. (dynamic) $70 °C$ Flame resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed) $5 x Outer diameter$ No. of torsion cycles $1 Mio. 25 °C$	Current load capacity (standard)	to DIN VDE 0298-4
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 max. (dynamic) 70 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of torsion cycles 1 Mio. 25 °C		
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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 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of torsion cycles 1 Mio. 25 °C	Electrical resistance line constant wire	55 Ω/km @ 20 °C
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 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 - wire)	2 kV @ 60 s
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 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of torsion cycles 1 Mio. 25 °C		50000 pF/km
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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 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 °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 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of torsion cycles 1 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
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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
Torsion stress ± 180 °/m	No. of torsion cycles	1 Mio. 25 °C
	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: 2024-05-18

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