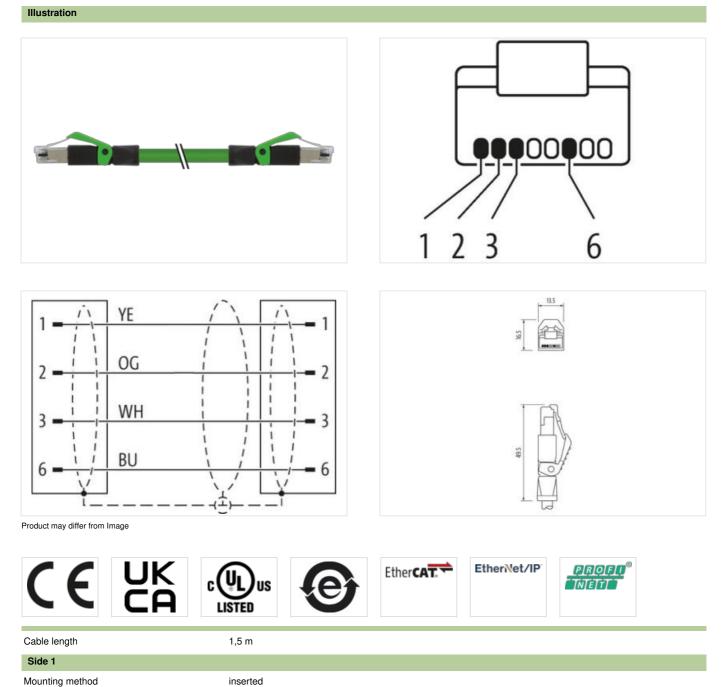


RJ45 male 0° / RJ45 male 0° shielded

PVC 1x4xAWG22 shielded gn UL/CSA+drag ch. 1.5m

Ethernet CAT5 Male straight – male straight RJ45 – RJ45, 4-pole shielded Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

Link to Product



The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-21 Murrelektronik bv | Noorderlaan 147-b9 | B-2030 Antwerpen | Fon +32 (0)380 868 81 | Fax | shop@murrelektronik.be | shop.murrelektronik.be



Family construction form	RJ45
No. of poles	4
Commercial data	
ECLASS-6.0	27061801
ECLASS-6.1	27060307
ECLASS-7.0	27060307
ECLASS-8.0	27060307
ECLASS-9.0	27060307
ECLASS-10.1	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ETIM-5.0	EC002599
customs tariff number	85444210
GTIN	4048879547956
Packaging unit	1
Electrical data Supply	
Operating voltage DC max.	60 V
Current operating per contact max.	1,5 A
Industrial communication	
Transfer parameters	CAT5e, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Data transmission rate max.	100 MBit/s
Industrial communication Ethernet func	tionality
duplex	Full duplex
Diagnostics	
Status indication LED	no
Device protection Electrical	
Degree of protection (EN IEC 60529)	IP20
Pollution Degree	3
Rated surge voltage	1 kV
Material group (IEC 60664-1)	1
Mechanical data	
Contour for corrugated hose	without
Mechanical data Material data	
Material housing	PUR
Locking material	PA
Mechanical data Mounting data	
Looking techniques	Snap-in connector
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	
	willow blue energy white
wire arrangement	yellow, blue, orange, white
wire arrangement Cable identification	800
-	

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Stranding 4 wires around Filer star-shaped twisted Cable shielding (type) cooper braid, timed Cable shielding (type) 65 % Banding Fol Filer yes wire arrangement yellow, blue, orange, while Cable weight 73.7 plm Material jacket PVC Shore hardness jacket 85.5 Shore A Freadom from ngedonts [gackb] 64.5 % Material jackt PFC Cable weight 6.5 mm Toleracoe cuter diameter (sheath) 6.5 % Material inner jacket FNNC Cabr (mer jacket) 6.6 mm Toleracoe cuter diameter (sheath) 6.5 % Material inner jacket FNNC Cabr (mer jacket) natur Material inner jacket FNNC Cabr (mer jacket) 15.3 mm Outer diameter foleance core insulation 15.5 % Shore hardness wire insulation 55.6 Shore D Foredom from operation (wire) 22 AWG Candit or single wires 24 AWG Contoutor orossection (wire) 22 AWG Contoutor orossection (wire) 22 AWG Contoutor orossection (wire) 22 AWG Controt orossection (wire) 24 WG Cont	Amount stranding	1
Cabb stricting (coverage) 85 % Banding Foil Filer yes wire arrangement yelow, blue, orange, white Cabb weigh 7.7, 2m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom form ingedients (gacket) 8.6 mm Older-dimeter (jacket) 8.6 mm Tolerance outer diameter (shoth) ± 5 % Material iner jacket FFNC Color (mer jacket) natur Material iner jacket FFNC Color (mer jacket) natur Material wine insulation PE Amount wines 4 Outer diameter insulation 1.53 mm Outer diameter insulation 1.53 mm Outer diameter or shutation 5 ± 5 % Shore hardness wire insulation Isaar/sea, FC-Free, halogen-free Amount strands (wire) 7 Diameter or single wires 22 AWG Contractor cores ensulation 1.63 mm Contactor cores ensulation 1.60 NF % Canter core score in solut	Stranding	4 wires around Filler star-shaped twisted
Banding Foil Filer yea wise arrangement yellow, ble, orange, white Cable weight 73.7 g/m Matorial jackot PVC Shore hardness jacket 55.4 5 Shore A Freedom from ingredients (jacket) lead-free, CFC-free Outer-diameter (jacket) 6.6 m Tolerance outer diameter (alwath) 4.5 % Matorial inner jacket FRNO Cofor (inner jacket) natur Matorial inner jacket FRNO Cofor (inner jacket) natur Matorial inner jacket S.1 S mm Outer diameter insulation PE Amount wires 4 Outer diameter insulation 5.5 S Shore D Ingredient freenees wire insulation 5.2 S Nore D Ingredient freenees wire insulation 5.2 S Nore D Constructor consested wire 22 AWG Constructor consested wire 32 aWG Constructor constant wire 55 C Mm @2 D °C AC writstant obtage (vire - wire) 22 W Ø 60 S <td>Cable shielding (type)</td> <td>copper braid, tinned</td>	Cable shielding (type)	copper braid, tinned
Filteryeswire arrangementyelow, bule, orange, whileCable weigh73,7 pinMaterial jacketPVCShore handness jacket85 ± 5 Shore AFreedom from ingredients (jacket)6.6 mmTolerace outer diameter (jacket)6.6 mmTolerace outer diameter (jacket)6.8 mmTolerace outer diameter (jacket)6.8 mmCohr (mer jacket)naturMaterial inergi (jacket)naturAtterial inergi (jacket)naturAtterial inergi (jacket)naturAtterial inergi (jacket)1.53 mmOuter diameter insulation1.53 mmOuter diameter insulation55 ± 5 Shore DIngredient freeness wire insulation55 ± 5 Shore DIngredient freeness wire insulation85 ± 5 Shore DIngredient freeness wire insulation82 4WGConduct crosssaction (wire)22 AWGConduct crosssaction (wire)22 AWGConduct crosssaction (wire)22 AWGCurrent load capacity (standard)to DIN VDE 0298 4Current load capacity (standard)to DIN VDE 0298 4Current load capacity (wire - wire)2 AV @ 80 sElectrical resistance line constant (wire - wire)2 AV @ 80 sAle withstand voltage (wire - wire)2 AV @ 80 sElectrical resistance100 C ± 15 % @ 101 L ± 51 ± 100 C T2 EC 60332-2 2Chranting temperature (statc)-30 *COperating temperature (statc)-30 *COperating temperature (statc)-30 *CConductor collage (wire - wire)	Cable shielding (coverage)	85 %
wire arrangementyellow, blue, orange, whileCable weight73.7 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jackott)lead-free, CFC-freeOuter-diameter (jackott)5 5 mmTolerance outer diameter (sheath)± 5 %Material jacketFRNCColor (inner jacket)naturMaterial inver jacketiFRNCColor (inner jacketi)naturMaterial inver jacketiFRNCColor (inner jacketi)naturMaterial inversionPEAmount wires4Outer diameter insulation1.53 mmOuter diameter insulation5 ± 5 Shore DShore hardness wire insulation5 ± 5 Shore DIngredient freeness wire insulationtead-free, CFC-free, halogen-freeAmount strends (wire)7Dameter disping wires22 AWGConductor crosseation (wire)22 AWGContractor viresStore backetsexNominal voltage AC max.300 VCurrent load capacity (standard)to D IN VDE 0298-4Current load capacity (standard)200 ± 1 5 % e) 1 MHzElectrical capacity line constant (wire - wire)2000 p f/smPower forsumer (withstand voltage (wire - wire)200 °CAC withstand voltage (wire - wire)200 °C </td <td>Banding</td> <td>Foil</td>	Banding	Foil
Cable weight 78,7 g/m Material jacket PVC Material jacket B5 5 Shore A Freedom from ingredients (jacket) lead-free, CFC-free Outer diameter (jacket) 6.6 mm Tolerance outer diameter (sheath) 1.5 % Material inner jacket FINC Color (inner jacket) natur Material wine isulation PE Amount wines 4 Outer diameter insulation 1.53 mm Outer diameter insulation 5.5 Shore D Ingredient Treeness wire insulation 5.5 Shore D Ingredient Treeness wire insulation 16 % Conductor Crossection (wire) 7 Diameter of single wires 22 AWG Conductor Crossection (wire) 22 AWG Conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard in to DIN VDE D284.4 Current load capacity (standard in to DIN VDE D284.4 Current load capacity (standard in to DIN VDE D284.4 Current load capacity (standard in to D10 Q ± 15 % (@ 11 MHz) Electrical capacity listend	Filler	yes
Material jacket PVC Shore hardness jacket B5 ± 5 Shore A Freedom from ingredients (jacket) 6.6 mm Outer-diameter (jacket) 6.6 mm Tolerance outer diameter (jacket) 6.6 mm Color (inner jacket) natur Material inner jacket FINKO Color (inner jacket) natur Material inner jacket FINKO Colur diameter (sheath) 1.53 mm Outer diameter tolerance orore insulation 1.53 mm Outer diameter tolerance orore insulation 5.5 s Shore D Ingredient freeness wire insulation 16.8 ± 5 Shore D Ingredient freeness wire insulation 16.8 ± 5 Shore D Ingredient freeness wire insulation 16.8 ± 5 Shore D Ingredient freeness wire insulation 16.8 ± 5 Shore D Ingredient freeness wire insulation 16.8 ± 5 Shore D Ingredient freeness wire insulation 16.8 ± 5 Shore D Ingredient freeness wire insulation 16.8 ± 5 to Shore A Conductor crosssection (wire) 22 AWG Conductor wire Stranded copper wire, bare Nominal voltage AC max. <t< td=""><td>wire arrangement</td><td>yellow, blue, orange, white</td></t<>	wire arrangement	yellow, blue, orange, white
Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, CF-Cree Outer-dameter (jacket) 6.6 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket FINC Color (more jacket) natur Material wire insulation PE Amount wires 4 Outer dameter tolerance core insulation ± 5 % Shore hardness wire insulation 5 ± 5 Shore D Ingredient Thereas wire insulation 5 ± 5 Shore D Ingredient Thereas wire insulation 5 ± 5 Shore D Ingredient Thereas wire insulation 22 AWG Conductor crosses colon (wire) 22 AWG Conductor crossection (wire) 22 AWG Consult of angle wires 24 MG Conductor crossection (wire) 22 AWG Consult or daspacity (standard) to DN VDE 0298-4 Current load capacity (standard) to DN VDE 0298-4	Cable weigth	73,7 g/m
Freedom from ingredients (jacket) lead-free, CFC-free Outer-diameter (jacket) 6.6 mm Tolerance outer diameter (jacket) 5 % Material inner jacket FRNC Color (innor jacket) natur Material inner jacket FRNC Color (innor jacket) natur Material wires 4 Outer diameter insulation 1.53 mm Outer diameter insulation 5 % 5 Shore hardness wire insulation 1.65 % 5 Shore hardness wire insulation 1.64 % 5.05 CFC-free, halogen-free Amount strands (wire) 7 Diameter of aller wires 22 AWG Conductor crosssection (wire) 22 AWG Nominal votage AG max. 300 V Current load capacity (standard) to DIN VDE C298-4	Material jacket	PVC
Outer-diameter (acket) 6,6 mm Tolerance outer diameter (sheath) ± 5 % Matrial innar (acket) natur Color (inner jacket) natur Material innar (acket) natur Color (inner jacket) natur Material inner (acket) natur Color (inner jacket) natur Material inner (acket) 1,53 mm Outer diameter (blerance core insulation ± 5 % Shore hardness wire insulation 5 ± 5 Shore 0 Ingredient freeness wire insulation 1643 ** Torder of single wires 22 AWG Conductor corsescition (wire) 7 Diameter of single wires 22 AWG Conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity min. wire 4.8 A Characteristic inpedance 100 D1 ± 15 % @ 1 MHz Electrical resistance line constant wire 55 ΩAm @ 20 *C AC withstand voltage (wire - wire) 24 V @ 60 s Electrical capacity min. wire 4.8 A Chrancetinstic inpedance 100 C1 ± 15 % @ 1 MHz	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (sheath) \pm 5 %Material inner jacketFFNCColor (inner jacket)naturMaterial wire insulationPEAmount wires4Outer diameter insulation1.53 mmOuter diameter insulation5 %Shore hardness wire insulation55 ± 5 Shore DIngredient freeness wire insulation55 ± 5 Shore DIngredient freeness wire insulation1.63 mmOuter diameter of single wires22 AWGConductor crossection (wire)7Diameter of single wires22 AWGConductor vireStranded copper wire, bareNomini strands (wire)7Current load capacity (standard)to DIN VDE 0269-4Current load capacity (standard)to DIN VDE 0269-4Cur	Freedom from ingredients (jacket)	lead-free, CFC-free
Material inner jacketFRNCColor (inner jacket)naturMaterial wire insulationPEAmount wires4Outer diameter insulation1.53 mmOuter diameter insulation55 %Shore hardness wire insulation55 5 Shore DIngredient freeness wire insulation153 f. Shore DIngredient freeness wire insulation153 f. Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires22 AWGConductor crosssection (wire)22 AWGConductor crosssection (wire)22 AWGConductor vireStranded copper wire, bareNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (wire - wire)50000 pf.KmPower frequency withstand voltage (wire - wire)50000 pf.KmPower frequency withstand voltage (wire - wire)2 kV @ 60 sElectrical espacity line constant (wire - wire)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMin. operating temperature (kisel)30 °COperating temperature (kisel)30 °COperating temperature (kisel)30 °COperating temperature (kisel)30 °COperating temperature (kisel)5 × Outer diameterFlam resistanceGood, application-related testingGasoline resistance </td <td>Outer-diameter (jacket)</td> <td>6,6 mm</td>	Outer-diameter (jacket)	6,6 mm
Color (Inner Jacket)naturMaterial wire insulationPEAmount wires4Outer diameter insulation1.53 mmOuter diameter insulation $\pm 5 \%$ Shore hardness wire insulation 5 ± 5 Shore DIngredient freeness wire insulation 5 ± 5 Shore DIngredient freeness wire insulation $8ad$ free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires22 AWGConductor crosssection (wire)22 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.300 VCurrent load capacity (stranderd)to DIN VDE 0298-4Current load capacity (stranderd)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 sQuerating temperature (static)-30 °CMac operating temperature (static)-30 °CMac operating temperature (static)-30 °CMax. operating temperature (static)-30 °CMax. operating temperature (static)-30 °CFlame resistanceUL 1581 § 1000 UL 1581 § 1100 FT2 IEC 60332-2-2Chemical resistanceGood, application-related testingGasoline resistan	Tolerance outer diameter (sheath)	±5%
Material wire insulationPEAmount Wires4Outer diameter insulation1,53 mmOuter diameter issulation ± 5 %Shore hardness wire insulation 55 ± 5 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, bareNominal voltage AC max.300 VCurrent 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 0km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sElectrical capacity line constant (wire - wire)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (static)-30 °CMax. operating temperature (static)-30 °CMax. operating temperature (static)-10 °COperating temperature (static)-30 °CFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingGir esistanceGood, application-related testingGir esista	Material inner jacket	FRNC
Amount wires4Outer diameter insulation1.53 mmOuter diameter tolerance core insulation $\pm 5 \%$ Shore hardness wire insulation 5 ± 5 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires22 AWGConductor crossection (wire)22 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.300 VCurrent tol acquacity (standard)to DIN VDE 0288-4Current tolac capacity (standard)to DIN VDE 0288-4Current tolac capacity (mire wire)2 kV @ 60 sElectrical resistance line constant wire55 $\Omega km @ 20 ° C$ AC withstand voltage (wire - wire)2 kV @ 60 sElectrical capacity line constant (wire wire)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operature time, (dynamic)-10 °COperating temperature (static)-30 °CMax. operature ture max. (dynamic)70 °CFlame resistanceGood, application-related testingOil resistanceGood, application-related testing <td< td=""><td>Color (inner jacket)</td><td>natur</td></td<>	Color (inner jacket)	natur
Outer diameter insulation 1.53 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 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 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 inin. wire 4.8 A Characteristic impedance 100 Ω ± 15 % @ 1 MHz Electrical capacity line constant wire 55 Ωkm @ 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 Max. operating temperature (statc) -30 °C Ac withstand voltage (wire - shield) 2 kV @ 60 s Max. operating temperature (fixed) -30 °C Operating temperatu	Material wire insulation	PE
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 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 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance 100 Q± 15 % @ 1 MHz Electrical resistance line constant wire 55 Ωkm @ 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 AC withstand voltage (wire - bield) 2 kV @ 60 s Max. operating temperature (statc) -30 °C Max. operating temperature (statc) -30 °C Max. operating temperature (statc) -30 °C Operating temperature (statc) -30 °C Gasoline resistance Good, application-related testing Gasoline resistance Goo	Amount wires	4
Shore hardness wire insulation 55 ± 5 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires22 AWGConductor crossection (wire)22 AWGMaterial conductor wireStranded copper wire, bareNominal 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 $\Omega \pm 15 \% @ 1$ 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 - shield) $2 kV @ 60 s$ In operating temperature (static) $-30 °C$ Max. operating temperature (static) $-30 °C$ Max. operating temperature (static) $-30 °C$ Goperating temperature (static) $-30 °C$ Operating temperature (static) $-70 °C$ Operating temperature (static) $-70 °C$ Flame resistanceUL 1581 § 1000 UL 1581 § 1100 FT2 IEC 60332-2-2Chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-relat	Outer diameter insulation	1,53 mm
Ingredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires22 AWGConductor crosssection (wire)22 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4.8 ACharacteristic impedance100 $\Omega \pm 15 \% @ 1$ MHzElectrical resistance line constant wire55 $\Omega/km @ 20 °C$ AC withstand voltage (wire - wire)2 kV @ 60 sElectrical capacity line constant (wire - wire)50000 pF/kmPower frequency withstand voltage (wire - 2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMax. operating temperature (static)-30 °CMax. operating temperature (static)-30 °COperating temperature min. (dynamic)-10 °COperating temperature min. (dynamic)70 °CFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resi	Outer diameter tolerance core insulation	±5%
Amount strands (wire)7Diameter of single wires22 AWGConductor crossection (wire)22 AWGMaterial conductor wireStranded copper wire, bareMominal 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 $\Omega \pm 15 \% \oplus 1$ MHzElectrical resistance line constant wire55 Ω /km \oplus 20 °CAC withstand voltage (wire - wire)2 kV \oplus 60 sElectrical capacity line constant (wire - wire)50000 pF/kmPower frequency withstand voltage (wire - shield)2 kV \oplus 60 sAC withstand voltage (wire - shield)2 kV \oplus 60 sMax. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-10 °CPower frequency withstand voltage (wire - shield)2 kV \oplus 60 sMax. operating temperature max. (dynamic)-10 °COperating temperature max. (dynamic)-10 °COperating temperature max. (dynamic)-10 °COperating temperature max. (dynamic)-10 °COperating temperature max. (dynamic)-10 °CGasoline resistanceUL 1581 § 1100 UL 1581 § 1100 FT2 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, applicati	Shore hardness wire insulation	55 ± 5 Shore D
Diameter of single wires22 AWGConductor crosssection (wire)22 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 ACharacteristic impedance100 $\Omega \pm 15 \% \oplus 1$ 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 sAC withstand voltage (wire - shield)2 kV \oplus 60 sMin. operating temperature (static)-30 °CMax. operating temperature (static)-30 °COperating temperature min. (dynamic)-10 °COperating temperature max. (dynamic)70 °CFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testi	Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare 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 0 £ 15 % @ 1 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 Min. operating temperature (static) -30 °C Max. operating temperature (static) -30 °C Operating temperature (ixed) 80 °C Operating temperature (ixed) 80 °C Operating temperature (ixed) 70 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistanc	Amount strands (wire)	7
Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.8 A Characteristic impedance 100 Ω ± 15 % @ 1 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 Min. operating temperature (static) -30 °C Max. operating temperature (ixed) 80 °C Operating temperature min. (dynamic) -10 °C Operating temperature min. (dynamic) 70 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing <t< td=""><td>Diameter of single wires</td><td>22 AWG</td></t<>	Diameter of single wires	22 AWG
Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 ACharacteristic impedance100 $\Omega \pm 15 \% \oplus 1$ 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 - a kV \oplus 60 sAC withstand voltage (wire - shield)2 kV \oplus 60 sAC withstand voltage (wire - shield)2 kV \oplus 60 sMax. operating temperature (static)-30 $\ ^{\circ}C$ Max. operating temperature (static)-30 $\ ^{\circ}C$ Operating temperature min. (dynamic)-10 $\ ^{\circ}C$ Operating temperature min. (dynamic)-10 $\ ^{\circ}C$ Operating temperature max. (dynamic)70 $\ ^{\circ}C$ Flame resistanceUL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing <t< td=""><td>Conductor crosssection (wire)</td><td>22 AWG</td></t<>	Conductor crosssection (wire)	22 AWG
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4.8 ACharacteristic impedance $100 \Omega \pm 15 \% \oplus 1$ MHzElectrical resistance line constant wire $55 \Omega / km \oplus 20 \degree C$ AC withstand voltage (wire - wire) $2 kV \oplus 60 \ s$ Electrical capacity line constant (wire - wire) $50000 \ pF / km$ Power frequency withstand voltage (wire - jacket) $2 kV \oplus 60 \ s$ AC withstand voltage (wire - shield) $2 kV \oplus 60 \ s$ AC withstand voltage (wire - shield) $2 kV \oplus 60 \ s$ AC withstand voltage (wire - shield) $2 kV \oplus 60 \ s$ AC withstand voltage (wire - shield) $2 kV \oplus 60 \ s$ Max. operating temperature (fixed) $80 \degree C$ Operating temperature (fixed) $80 \degree C$ Operating temperature max. (dynamic) $-10 \degree C$ Operating temperature max. (dynamic) $70 \degree C$ Flame resistanceUL 1581 § 1100 UL 1581 § 1100 FT2 IEC 60332-2-2chemical resistanceGood, application-related testingGoil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDil resistanceGood, application-rel	Material conductor wire	Stranded copper wire, bare
Current load capacity min. wire4,8 ACharacteristic impedance100 $\Omega \pm 15 \% @ 1$ 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) $2 kV @ 60 s$ Min. operating temperature (static) $-30 °C$ Max. operating temperature (fixed) $80 °C$ Operating temperature min. (dynamic) $-10 °C$ Operating temperature max. (dynamic) $70 °C$ Flame resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingNo. of bending radius (fixed) $5 \times Outer diameter$ No. of bending radius (dynamic) $15 \times Outer diameter$ No. of bending radius (C-track) $2 Mio. @ 25 °C$	Nominal voltage AC max.	300 V
Characteristic impedance $100 \ \Omega \pm 15 \% \oplus 1 \ MHz$ Electrical resistance line constant wire $55 \ \Omega/km \oplus 20 \ ^{\circ}C$ AC withstand voltage (wire - wire) $2 \ kV \oplus 60 \ s$ Electrical capacity line constant (wire - wire) $50000 \ pF/km$ Power frequency withstand voltage (wire - jacket) $2 \ kV \oplus 60 \ s$ AC withstand voltage (wire - shield) $2 \ kV \oplus 60 \ s$ AC withstand voltage (wire - shield) $2 \ kV \oplus 60 \ s$ AC withstand voltage (wire - shield) $2 \ kV \oplus 60 \ s$ Min. operating temperature (static)-30 \ ^{\circ}CMax. operating temperature (static)-30 \ ^{\circ}COperating temperature min. (dynamic)-10 \ ^{\circ}COperating temperature max. (dynamic)70 \ ^{\circ}CFlame resistanceUL 1581 \ \$ 1090 UL 1581 \ \$ 1100 \ FT2 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDifference5 x Outer diameterBending radius (fixed)5 x Outer diameterNo. of bending cycles (C-track)2 Mio. $\oplus 25 \ ^{\circ}C$ Traversing distance (C-track)5 m $\oplus 25 \ ^{\circ}C$	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 Max. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -10 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance	Current load capacity min. wire	4,8 A
AC 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 sAC withstand voltage (wire - shield)2 kV @ 60 sMax. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-10 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameterNo. of bending cycles (C-track)2 Mio. @ 25 °CTraversing distance (C-track)5 m @ 25 °C	Characteristic impedance	100 Ω ± 15 % @ 1 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 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-10 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDi resistanceGood, application-related testingOil resistanceGood, application-related testingDi resistanceGood, application-related testingOil resistanceGood, application-related testingDi resistanceS × Outer diameterBending radius (dynamic)15 × Outer diameterNo. of bending cycles (C-trac	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 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-10 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending cycles (C-track)2 Mio. @ 25 °CTraversing distance (C-track)5 m @ 25 °C	AC withstand voltage (wire - wire)	2 kV @ 60 s
jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-10 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingNo. of bending radius (fixed)15 x Outer diameterNo. of bending cycles (C-track)2 Mio. @ 25 °CTraversing distance (C-track)5 m @ 25 °C	Electrical capacity line constant (wire - wire)	50000 pF/km
Min. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-10 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingNo. of bending radius (fixed)5 x Outer diameterBending radius (chrack)2 Mio. @ 25 °CTraversing distance (C-track)5 m @ 25 °C		2 kV @ 60 s
Max. operating temperature (fixed)80 °COperating temperature min. (dynamic)-10 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDif scienceGood, application-related testingDif scienceGood, application-related testingDif resistanceGood, application-related testingDif scienceGood, application-related testingDif resistanceGood, application-related testingDif scienceS × Outer diameterBending radius (fixed)5 × Outer diameterBending radius (dynamic)15 × Outer diameterNo. of bending cycles (C-track)2 Mio. @ 25 °CTraversing distance (C-track)5 m @ 25 °C	AC withstand voltage (wire - shield)	2 kV @ 60 s
Operating temperature min. (dynamic)-10 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDi resistanceS × Outer diameterBending radius (dynamic)15 × Outer diameterNo. of bending cycles (C-track)2 Mio. @ 25 °CTraversing distance (C-track)5 m @ 25 °C	Min. operating temperature (static)	-30 °C
Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Max. operating temperature (fixed)	80 °C
Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Operating temperature min. (dynamic)	-10 °C
chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)15 x Outer diameterNo. of bending cycles (C-track)2 Mio. @ 25 °CTraversing distance (C-track)5 m @ 25 °C	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) 5 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Flame resistance	UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2
Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Oil resistance	Good, application-related testing DIN EN 60811-404
No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Bending radius (fixed)	5 x Outer diameter
Traversing distance (C-track)5 m @ 25 °C	Bending radius (dynamic)	15 x Outer diameter
	No. of bending cycles (C-track)	2 Mio. @ 25 °C
Travel speed (C-track) 3,3 m/s @ 25 °C	Traversing distance (C-track)	5 m @ 25 °C
	Travel speed (C-track)	3,3 m/s @ 25 °C

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-21

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