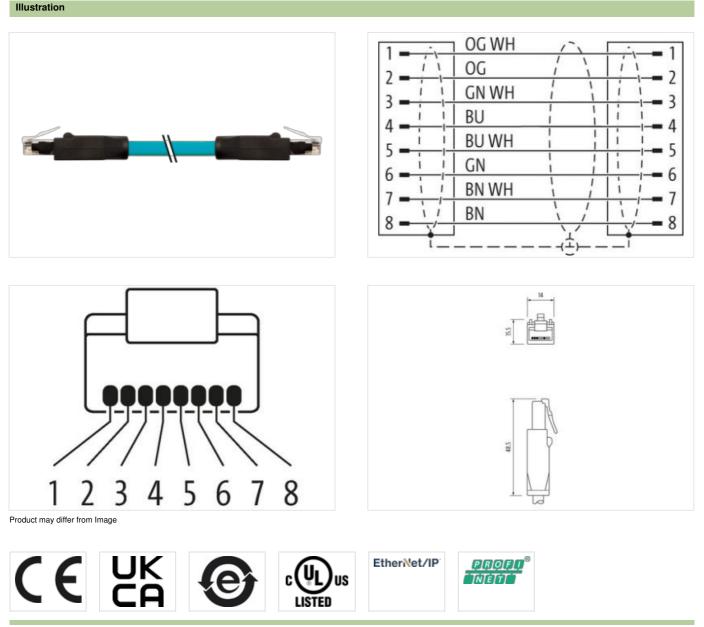


## RJ45 male 0° / RJ45 male 0°, Gigabit

TPE 4x2x24AWG SF/UTP CAT5e bu UL/CSA, CM 1,5m

Ethernet CAT5e Male straight – male straight RJ45 – RJ45, 8-pole without cable sleeves shielded Protection cap 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

1,5 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: 2024-06-23

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Side 1

Mounting method	inserted, screwed
Family construction form	RJ45
No. of poles	8
Side 2	
Mounting method	inserted, screwed
Family construction form	RJ45
No. of poles	8
Commercial data	
ECLASS-6.0	27061801
ECLASS-6.1	27060307
ECLASS-7.0	27060307
ECLASS-8.0	27060307
ECLASS-9.0 ECLASS-10.1	27060307 27060307
ECLASS-10.1 ECLASS-11.1	27060307
ECLASS-11.1 ECLASS-12.0	27060307
ETIM-5.0	EC002599
customs tariff number	85444210
GTIN	4048879661164
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.	1,5 A
Industrial communication	
Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Data transmission rate max.	1000 MBit/s
Diagnostics	
Status indication LED	no
Installation   Pin assignment	
Configuration	fully used
Device protection   Electrical	
Degree of protection (EN IEC 60529)	IP20
Additional condition protection degree	inserted, screwed
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	РА
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	

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• instangined by second of uniting increas.       interaliation (Sobi       interaliation (Sobi       interaliation (Soli)       sable identification     S4W       sable identification     S4W       sable identification     UBus       uncount stranding     4       4     Stranding (yop 2)       5     Stranding (yop 2)       4     Stranding (yop 2)       5     Stranding (yop 2)       6     Stranding (yop 2)       5     Stranding (yop 2)       6     Stranding (yop 2)       6     Stranding (yop 2)       6     Stranding (yop 2)       7     Stranding (yop 2)       7     Stranding (yop 2)       8     Strandin (yop 2)       9	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
inic arrangement(orange-white, orange), (blue-white, blue), (brown-white, brown), (green-white, green)able IdentificationS4Wable IdentificationCUPueinvoint stranding4invoint stranding2 wires twistedstranding (bype 2)4 Stranded joints twistedis arrangement(orange-white, orange), (blue-white, blue), (brown-white, brown), (green-white, green)is arrange outer (abard)7,5 mmis arrange outer (abard)1,5 %is arrange outer (abard)1,5 %arrand outer (abard)1,17 mmblard camares outer (abard)1,25 %arrandout of ange write substion1,26 %arrandout of ange write substion1,26 %arrandout of ange write substiton1,26 Mite 3,26	Note on bending radius	
Sable Identification     S4W       sable Color     blue       yee of Certificate     C/Bus       wnount stranding     4       Stranding     2 wires twisted       Stranding     2 wires twisted       Stranding     Foll       vire arrangement     (orange white, orange), (blue white, blue), (brown-white, brown), (green white, green)       Stable weigh     7.4 8 grin       Atterial jacket     TPE       readom from ingredients (jacket)     16 3 free, CPC free       Date-relianeter (jacket)     7.6 m.       Tolerance outer diameter (shabath)     15 %       Asterial jacket     TPE       readom from ingredients (jacket)     1.7 m.       Unter diameter (shabath)     1.5 %       Asterial jacket     7       Symmeter insulation     1.17 mm       Unter diameter insulation     1.25 %       Symmeter insulation     1.24 AWG       Conductor write     copper stranded wire, inned       Conductor write     Sopper stranded wire, inned       Conductor write     So D/Km @ 20 °C       CK writbatad voltage (wire - write)     SA V@	Installation   Cable	
acted ColorDoeype of CarllicateCURuswround standing4Viranding2 wires twistedviranding2 wires twistedvirandingFoil <t< td=""><td>wire arrangement</td><td>(orange-white, orange), (blue-white, blue), (brown-white, brown), (green-white, green)</td></t<>	wire arrangement	(orange-white, orange), (blue-white, blue), (brown-white, brown), (green-white, green)
ype al Cartilicate     cURus       mount stranding     4       stranding     2 wires wisted       stranding     Foil       vestor     Foil	Cable identification	S4W
Automut stranding     4       Stranding (ype 2)     4 Stranded joints twisted       Stranding (ype 2)     4 Stranded joints twisted       Stranding (ype 2)     Foil       Stranding (ype 2)     Foil       Stranding (ype 2)     Foil       Stranding (ype 2)     Foil       Stranding Strangement     (orange-white, orange), (blue-white, blue), (brown-white, brown), (green-white, green)       Stale weigh     74,8 g vin       Atterial (acket)     TPE       Teredom from ingredients (acket)     1,5 %       Atterial (acket)     7,6 rm       Solver diameter (sheath)     1,5 %       Atterial weir insulation     1,17 rm       Numount wires     8       Solver diameter insulation     1,17 rm       Solver diameter insulation     1,45 %       Stranding (wires)     7       Solver diameter insulation     1,45 %       Solver diameter insulation     1,45 %       Solver diameter insulation     1,47 mm       Solver diameter insulation     1,97 mm       Solver diameter insulation     1,97 mm       Solver diameter insulation     1,	Jacket Color	blue
2 wires wisted       Stranding (type 2)     4 Stranded joints twisted       stranding (type 2)     74.8 g/m       stranding (type 2)     14.8 g/m       stranding (type 2)     15.%       stranding (type 2)     15.5 %       stranding (type 2)     17.17 mm       Stranding (type withs)     24 AWG       Stranding (type Armas:     300 V       Stranding (type Armas:     300 V       Stranding (type Armas:     300 V       Stranding (type Armas:     30 V       Strand c	Type of Certificate	cURus
bitanding (type 2)     4 Strandad joints twisted       sanding     Foil       iver arrangement     (orange-white, orange), (blue-white, blue), (brown-white, brown), (green-white, green)       Sale weigh     74.8 g/m       Attarial jackat     TPE       readom from ingredents (jacket)     lead-rise, CFC-free       Vuber-diameter (gacket)     7.6 m       olarance outer diameter (gacket)     5 %       Ataterial wire insulation     HDPE       mount wires     8       Subter diameter insulation     1,17 mm       Duter diameter tolerance core insulation     1 & 5 %       Ataerial wire insulation     1 & 6 %       mount wires     8       Subter diameter tolerance core insulation     1 & 6 %       attariad wire insulation     1 & 6 MOG       Attariad wire insulation     1 & 6 MOG       Attariad wire insulation     1 & 6 MOG       Attariad wires insulation     1 & 6 MOG  <	Amount stranding	4
Banding   Foil     Vier arragement   (orange-white, orange), (blue-white, blue), (brown-white, brown), (green-white, green)     Vier arragement   (orange-white, orange), (blue-white, blue), (brown-white, brown), (green-white, green)     Vier diameter (lacket)   7.4 8 g/m     Ataterial jacket   TPE     Freedom from ingredients (lacket)   lead-free, CFC-free     Duter-diameter (lacket)   7.6 mm     Oblar-aco cuter diameter (sheath)   1.5 %     Adaerial wive insulation   1.17 mm     Duter diameter insulation   1.17 mm     Nument strands (wive)   7     Vier diameter tolerance core insulation   tead-free, CFC-free     wound strands (wive)   7     Vier diameter or ossection (wive)   7     Vier diameter or ossection (wive)   24 AWG     Conductor wrise   copper stranded wire, tinned     Aderial conductor wrise   copper stranded wire, tinned     Aderial conductor wrise   59 D/km @ 20 °C     CG withstand voltage (wire - wire)   3 kV @ 60 s     Aderial tomolytes (barded)   10 DIN VDE D208-4     Current load capacity line constant (wire - wire)   4 V @ 60 s     Grintraid voltage (wire - wire) <td< td=""><td>Stranding</td><td>2 wires twisted</td></td<>	Stranding	2 wires twisted
Arre anagement     (orange-white, orange), (blue-white, blue), (brown-white, brown), (green-white, green)       Atabie weight     74,8 g/m       Atabie weight     TPE       Teedom from ingredients (jacket)     lead-ree, CFC-free       Duter diameter (jacket)     7,6 mm       Olerance outer diameter (scheath)     ± 5 %       Ataerial wire insulation     HDPE       Vincount wires     8       Duter diameter insulation     1,17 mm       Duter diameter tolerance core insulation     ± 5 %       regredient freeness wire insulation     1,17 mm       Duter diameter tolerance core insulation     ± 5 %       regredient freeness wire insulation     1,07 mm       Duter diameter tolerance core insulation     ± 5 %       regredient freeness wire insulation     1,07 mm       Duter diameter (wire)     7       Diameter of single wires     24 AWG       conductor orossection (wire)     24 AWG       Contract toda capacity (istandard)     to DIN VDE 028e.4       Current load capacity min. wire     4 A       Sectrical resistance line constant wire     59 Q/km @ 0.0 °C       Covert frequency withstand voltage (wire wire)	Stranding (type 2)	4 Stranded joints twisted
Sable weigh   74,8 g/m     Atterial jacket   TPE     reedom from ingredients (jacket)   1.6 mm     Olderance outler diameter (jacket)   7.6 mm     Olderance outler diameter (jacket)   2.5 %     Ataterial wire insulation   HDPE     wrount wires   8     Duter diameter insulation   1,17 mm     Duter diameter insulation   1,17 mm     Duter diameter insulation   1,5 %     Andersing wire insulation   1,5 %     Sympet of single wires   24 AWG     Sonductor wire   copper stranded wire, tinned     Sonductor wire   copper stranded wire, tinned     Aterial oviductor wire   copper stranded wire, tinned     Aterial oviductor wire   copper stranded wire, tinned     Conductor wire   copper stranded wire, tinned     Aterial voiductor wire   sono V     Current toad capacity min. wire   4 A     Electrical resistance line constant wire   59 Ω/km @ 20 °C     CK withstand voltage (wire - wire)   3 KV @ 60 s     Sintrial working (wire - wire)   3 KV @ 60 s     Torrent cad capacity min. wire   40 °C     Atax. operaling temperature (	Banding	Foil
Ataterial Jacket     TPE       readom from ingredients (jacket)     lead-free, CFC-free       Duter-diameter (jacket)     7.6 mm       Olerance outer diameter (skett)     2.5 %       Ataterial wire insulation     HDPE       wire insulation     HDPE       Uper diameter insulation     1.17 mm       Duter diameter tolerance core insulation     ± 5 %       ingredient freeness wire insulation     lead-free, CFC-free       kmount wires     2.4 AWG       Conductor crosssection (wire)     2.4 AWG       Conductor wire     copper stranded wire, tinned       Joiner of toting lew vires     2.4 AWG       Conductor wire     copper stranded wire, tinned       Joiner of toting lew vires     2.4 AWG       Conductor wire     copper stranded wire, tinned       Joiner of toting lew vires     2.4 AWG       Conductor wire     copper stranded wire, tinned       Joiner of toting lew vire     2.4 AWG       Conductor wire     3.6 Q.Km @ 20 °C       Current toad capacity (standard)     to DIN VDE 0298-4       Zurrent toad capacity (standard)     to DIN VDE 0296-4       Zurent toad capaci	wire arrangement	(orange-white, orange), (blue-white, blue), (brown-white, brown), (green-white, green)
Freedom from ingredients (jacket) lead-free, CFC-free   Duter-diameter (jacket) 7.6 mm   Tolerance outer diameter (sheath) ± 5 %   Alderial wire insulation HDPE   Knownt wires 8   Duter diameter insulation 1.17 mm   Duter diameter insulation ± 5 %   Ingredient freeness wire insulation ± 6 %   Ingredient freeness wire insulation ± 7   Planeter of single wires 24 AWG   Conductor crosssection (wire) 24 AWG   Conductor wire copper stranded wire, tinned   Alerial conductor wire copper stranded wire, tinned   Alerial voltage AC max. 300 V   Current load capacity (strandard) to DIN VDE 0298-4   Current load capacity (wire - wire) 3 kV @ 60 s   Silectrical capacity line constant wire 50 /km @ 20 °C   Cx dinstand voltage (wire - wire) 3 kV @ 60 s   Jine operating temperature (fixed) 40 °C   Aax. operating temperature (fixed) 40 °C <t< td=""><td>Cable weigth</td><td>74,8 g/m</td></t<>	Cable weigth	74,8 g/m
irreedom from ingredients (jacket) lead-free, CFC-free   Outer-diameter (jacket) 7.6 mm   iolarance outer diameter (sheath) ± 5 %   Atlarial wire insulation HDPE   unount wires 8   Duter diameter insulation 1.17 mm   Duter diameter insulation ± 5 %   ingredient freeness wire insulation ± 5 %   gregident freeness wire insulation ± 5 %   ingredient freeness wire insulation ± 6 %   ingredient freeness wire insulation ± 6 %   ingredient freeness wire insulation ± 7   Vament of single wires 24 AWG   Adarial conductor wire copper stranded wire, tinned   Iderial conductor wire copper stranded wire, tinned   Iderial conductor wire 50 Ωkm @ 20 °C   VC withstand voltage (wire - wire) 3 kV @ 60 s   Ideritical capacity line constant wire 59 Ωkm @ 20 °C   VC withstand voltage (wire - wire) 3 kV @ 60 s   Inf. operating temperature (lixed) 80 °C   Operating temperature (lixed) 80 °C   Operating temperature max. (dynamic) 7 °C	Material jacket	TPE
olerance outer diameter (sheath)     ± 5 %       Ataterial wire insulation     HDPE       kinout wires     8       Jubre diameter insulation     1,17 mm       Duter diameter tolerance core insulation     ± 5 %       ngredient freeness wire insulation     lead-free, CFC-free       mumout strands (wire)     7       Diameter of single wires     24 AWG       conductor crossection (wire)     24 AWG       conductor vire     copper stranded wire, tinned       formiand voltage AC max.     300 V       current load capacity min. wire     4 A       Electrical resistance line constant wire     59 Ω/km @ 20 °C       CK withstand voltage (wire - wire)     3 kV @ 60 s       Electrical capacity line constant (wire - wire)     3 kV @ 60 s       Askelp     3 kV @ 60 s       Rin. operating temperature (static)     -40 °C       Asa. operating temperature (static)     -5 °C       Opperating temperatur	Freedom from ingredients (jacket)	lead-free, CFC-free
Atterial wire insulation     HDPE       wmount wires     8       Duter diameter insulation     1.17 mm       Duter diameter tolerance core insulation     ±5 %       gredient freeness wire insulation     lead-free, CFC-free       wmount strands (wire)     7       Diameter of single wires     24 AWG       conductor crosssection (wire)     24 AWG       conductor wire     copper stranded wire, tinned       dominal voltage AC max.     300 V       current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (windix wire - wire)     3 kV @ 60 s       Electrical capacity ine constant wire     59 Ω/km @ 20 °C       VG withstand voltage (wire - wire)     3 kV @ 60 s       Steeded     3 kV @ 60 s       Steeded     3 kV @ 60 s       Min. operating temperature (static)     -40 °C       Aax. operating temperature (static)     -40 °C       Aax. operating temperature (fixed)     80 °C	Outer-diameter (jacket)	7,6 mm
Automount wires     8       Duter diameter insulation     1,17 mm       Duter diameter tolerance core insulation     ± 5 %       ngredient freeness wire insulation     lead-free, CFC-free       murount strands (wire)     7       Diameter of single wires     24 AWG       Donductor crossection (wire)     24 AWG       Donductor wire     copper stranded wire, tinned       Jourent load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. wire     4 A       Sectrical resistance line constant wire     59 O/Km @ 20 °C       CK withstand voltage (wire - wire)     3 kV @ 60 s       Silectrical capacity line constant (wire - wire)     3 kV @ 60 s       Aka. operating temperature (static)     -40 °C       Aka. operating temperature (static)     -40 °C       Aka. operating temperature (static)     -5 °C       Opperating temperature (static)     -60 °C       Diameter esistance     UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2       Hermical resistance     Good, application-related testing       Basoline resistance     Good, application-related testing	Tolerance outer diameter (sheath)	±5%
Duter diameter insulation1,17 mmDuter diameter tolerance core insulation $\pm$ 5 %ingredient freeness wire insulationlead-free, CFC-freekmount strands (wire)7Diameter of single wires24 AWGconductor crosssection (wire)24 AWGAtaterial conductor wirecopper stranded wire, tinneddominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)3 kV @ 60 sElectrical resistance line constant wire59 $\Omega/km$ @ 20 °CKC withstand voltage (wire - wire)3 kV @ 60 sElectrical capacity (standard)80 °CPower frequency withstand voltage (wire - iman (standard))3 kV @ 60 sdin. operating temperature (static)40 °CAax. operating temperature (ixed)80 °COperating temperature min. (dynamic)5 °COperating temperature min. (dynamic)70 °CLiame resistanceGood, application-related testingBasoline resistanceGood, application-related testingBasoline resistanceGood, application-related testingBasoline resistanceDIN the M 6811-404 [ Good, application-related testingBanding radius (fixed)5 x Outer diameterJoin diameter10 x Outer diameterJoin down (fixed)5 x Outer diameterJoin down (fixed)5 x Outer diameterJoin coreJi Noi. @ 25 °CJi resistance3 JiNo. 25 °CJi o torsion cycles <td>Material wire insulation</td> <td>HDPE</td>	Material wire insulation	HDPE
Duter diameter tolerance core insulation     ± 5 %       ngredient freeness wire insulation     lead-free, CFC-free       wmount strands (wire)     7       Diameter of single wires     24 AWG       onductor crosssection (wire)     24 AWG       Atterial conductor wire     copper stranded wire, tinned       dominal voltage AC max.     300 V       Durrent load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (ine constant wire)     3 kV @ 60 s       Electrical resistance line constant wire     59 Ω/km @ 20 °C       CK withstand voltage (wire - size)     3 kV @ 60 s       Electrical capacity line constant (wire - wire)     3 kV @ 60 s       Aax. operating temperature (static)     -40 °C       Aax. operating temperature min. (dynamic)     -5 °C       Opperating temperature min. (dynamic)     -5 °C       Opperating temperature min. (dynamic)     -5 °C       Diame resistance     UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2       hemical resistance     Good, application-related testing       Basoline resistance     Good, application-related testing       Basoline re	Amount wires	8
Ingredient freeness wire insulation     lead-free, CFC-free       vmount strands (wire)     7       Diameter of single wires     24 AWG       Conductor crosssection (wire)     24 AWG       Ataterial conductor wire     copper stranded wire, tinned       Joinmial voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. wire     4 A       Electrical resistance line constant wire     59 Ω/km @ 20 °C       CX withstand voltage (wire - wire)     3kV @ 60 s       Electrical capacity line constant (wire - wire)     3kV @ 60 s       Vewer frequency withstand voltage (wire - acket)     3kV @ 60 s       Aax. operating temperature (fixed)     80 °C       Opperating temperature (static)     -40 °C       Aax. operating temperature (fixed)     80 °C       Opperating temperature (fixed)     80 °C       Opperating temperature (fixed)     5 °C       Opperating temperature (fixed)     70 °C       Tame resistance     Good, application-related testing       Basoline resistance     Good, application-related testing       Dill resistance     Good, application-related testing	Outer diameter insulation	1,17 mm
Twoont strands (wire)     7       Diameter of single wires     24 AWG       Danductor crosssection (wire)     24 AWG       Alaterial conductor wire     copper stranded wire, tinned       Joinnal voltage AC max.     300 V       Jurrent load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN WE 06 0 s       Electrical resistance line constant (wire - wire)     3 kV @ 60 s       Min. operating temperature (static)     -40 °C       Alax. operating temperature (static)     -40 °C       Alax. operating temperature (static)     70 °C       Tame resistance     Good, application-related testing       Operating temperature max. (dynamic)     70 °C       Tame resistance     Good, app	Outer diameter tolerance core insulation	±5%
Diameter of single wires     24 AWG       Conductor crosssection (wire)     24 AWG       Ataterial conductor wire     copper stranded wire, tinned       Jominal 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 (standard)     59 Ω/km @ 20 °C       CK withstand voltage (wire - wire)     3 kV @ 60 s       Electrical capacity line constant (wire - wire)     49000 pF/km       Power frequency withstand voltage (wire - acket)     3 kV @ 60 s       Asx. operating temperature (static)     -40 °C       Asx. operating temperature (fixed)     80 °C       Opperating temperature min. (dynamic)     -5 °C       Opperating temperature min. (dynamic)     -5 °C       Pater resistance     UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2       hemical resistance     Good, application-related testing       Basoline resistance     Good, application-related testing       Basoline resistance     DIN EN 60811-404   Good, application-related testing       Banding radius (fixed)     5 × Outer diameter <td>Ingredient freeness wire insulation</td> <td>lead-free, CFC-free</td>	Ingredient freeness wire insulation	lead-free, CFC-free
Sonductor crossection (wire)     24 AWG       Alaterial conductor wire     copper stranded wire, tinned       Iominal 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 A       Electrical resistance line constant wire     59 Ω/km @ 20 °C       XC withstand voltage (wire - wire)     3 kV @ 60 s       Electrical capacity line constant (wire - wire)     49000 pF/km       Power frequency withstand voltage (wire - acket)     -40 °C       Alax. operating temperature (static)     -40 °C       Alax. operating temperature (fixed)     80 °C       Opperating temperature min. (dynamic)     -5 °C       Opperating temperature max. (dynamic)     70 °C       Falme resistance     Good, application-related testing       Dil resistance     DIN EN 160811-404   Good, application-related testing	Amount strands (wire)	7
Atterial conductor wire     copper stranded wire, tinned       dominal 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 A       Electrical resistance line constant wire     59 Ω/km @ 20 °C       CC withstand voltage (wire - wire)     3 kV @ 60 s       Electrical capacity line constant (wire - wire)     49000 pF/km       Power frequency withstand voltage (wire - def)     3 kV @ 60 s       Atterial to perating temperature (static)     -40 °C       Atterial to ensistance     80 °C       Opperating temperature (fixed)     80 °C       Opperating temperature (fixed)     80 °C       Opperating temperature max. (dynamic)     -5 °C       Opperating temperature max. (dynamic)     70 °C       "lame resistance     Good, application-related testing       Basoline resistance     Good, application-related testing       Dil resistance     Good, application-related testing       Dil resistance     DIN EN 60811-404   Good, application-related testing       Dil resistance     DIN EN 60811-404   Good, application-related testing	Diameter of single wires	24 AWG
Joinnal voltage AC max.     300 V       Durrent load capacity (standard)     to DIN VDE 0298-4       Durrent load capacity min. wire     4 A       Electrical resistance line constant wire     59 Ω/km @ 20 °C       XC withstand voltage (wire - wire)     3 kV @ 60 s       Electrical capacity line constant (wire - wire)     49000 pF/km       Power frequency withstand voltage (wire - acket)     3 kV @ 60 s       Nin. operating temperature (static)     -40 °C       Aax. operating temperature (fixed)     80 °C       Opperating temperature (min. (dynamic)     -5 °C       Opperating temperature max. (dynamic)     70 °C       Hame resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Dil resistance     DIN EN 60811-404   Good, application-related testing       Dil resistance     DIN EN 60811-404   Good, application-related testing       Carding radius (fixed)     5 x Outer diameter       Rending radius (dynamic)     10 x Outer diameter       Ko of bending cycles (C-track)     1 Mio. @ 25 °C       Ko. of torsion cycles     3 Mio. 25 °C	Conductor crosssection (wire)	24 AWG
Durrent load capacity (standard)     to DIN VDE 0298-4       Durrent load capacity min. wire     4 A       Electrical resistance line constant wire     59 Ω/km @ 20 °C       XC withstand voltage (wire - wire)     3 kV @ 60 s       Electrical capacity line constant (wire - wire)     49000 pF/km       Yower frequency withstand voltage (wire - acket)     3 kV @ 60 s       Nin. operating temperature (static)     -40 °C       Aax. operating temperature (fixed)     80 °C       Opperating temperature min. (dynamic)     -5 °C       Opperating temperature max. (dynamic)     70 °C       Hame resistance     UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2       hemical resistance     Good, application-related testing       Sasoline resistance     Good, application-related testing       Dil resistance     DIN EN 60811-404   Good, application-related testing       Dil resistance     INN EN 60811-404   Good, application-related testing       Bending radius (fixed)     5 x Outer diameter       Ko of bending cycles (C-track)     1 Mio. @ 25 °C       No. of torsion cycles     3 Mio. 25 °C	Material conductor wire	copper stranded wire, tinned
Durrent load capacity min. wire     4 A       Electrical resistance line constant wire     59 Q/km @ 20 °C       XC withstand voltage (wire - wire)     3 kV @ 60 s       Electrical capacity line constant (wire - wire)     49000 pF/km       Power frequency withstand voltage (wire - acket)     3 kV @ 60 s       Iin. operating temperature (static)     -40 °C       Aax. operating temperature (fixed)     80 °C       Opperating temperature min. (dynamic)     -5 °C       Opperating temperature max. (dynamic)     70 °C       Flame resistance     UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2       hemical resistance     Good, application-related testing       Sasoline resistance     Good, application-related testing       Dil resistance     DIN EN 60811-404   Good, application-related testing       Sanding radius (fixed)     5 x Outer diameter       Bending radius (dynamic)     10 x Outer diameter       No. of bending cycles (C-track)     1 Mio. @ 25 °C       No. of torsion cycles     3 Mio. 25 °C	Nominal voltage AC max.	300 V
Electrical resistance line constant wire   59 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   3 kV @ 60 s     Electrical capacity line constant (wire - wire)   49000 pF/km     Power frequency withstand voltage (wire - acket)   3 kV @ 60 s     Iin. operating temperature (static)   -40 °C     Aax. operating temperature (fixed)   80 °C     Operating temperature max. (dynamic)   -5 °C     Operating temperature max. (dynamic)   70 °C     Flame resistance   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     Ichemical resistance   Good, application-related testing     Dial resistance   Good, application-related testing     Dial resistance   DIN EN 60811-404   Good, application-related testing     Dial resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter     Bending radius (quamic)   10 x Outer diameter     No. of bending cycles (C-track)   1 Mio. @ 25 °C     No. of torsion cycles   3 Mio. 25 °C	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire)   3 kV @ 60 s     Electrical capacity line constant (wire - wire)   49000 pF/km     Power frequency withstand voltage (wire - key constant (wire - wire)   3 kV @ 60 s     Ain. operating temperature (static)   -40 °C     Aax. operating temperature (fixed)   80 °C     Operating temperature min. (dynamic)   -5 °C     Operating temperature max. (dynamic)   70 °C     Flame resistance   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     hemical resistance   Good, application-related testing     Gaaoline resistance   Good, application-related testing     Dil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter     Bending radius (fixed)   10 x Outer diameter     As of bending cycles (C-track)   1 Mio. @ 25 °C     Ao. of torsion cycles   3 Mio. 25 °C	Current load capacity min. wire	4 A
Electrical capacity line constant (wire - wire)   49000 pF/km     Power frequency withstand voltage (wire - acket)   3 kV @ 60 s     Ain. operating temperature (static)   -40 °C     Aax. operating temperature (fixed)   80 °C     Operating temperature min. (dynamic)   -5 °C     Operating temperature max. (dynamic)   70 °C     Flame resistance   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     chemical resistance   Good, application-related testing     Dil resistance   Good, application-related testing     Dil resistance   DIN EN 60811-404   Good, application-related testing     Baeoling radius (fixed)   5 x Outer diameter     Gending radius (dynamic)   10 x Outer diameter     40. of bending cycles (C-track)   1 Mio. @ 25 °C     40. of torsion cycles   3 Mio. 25 °C	Electrical resistance line constant wire	59 Ω/km @ 20 °C
ower frequency withstand voltage (wire - acket)3 kV @ 60 sAin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CPlane resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2Chemical resistanceGood, application-related testingBasoline resistanceGood, application-related testingDil resistanceDIN EN 60811-404   Good, application-related testingDil resistance10 x Outer diameterBending radius (fixed)5 x Outer diameterIo. of bending cycles (C-track)1 Mio. @ 25 °CAo. of torsion cycles3 Mio. 25 °C	AC withstand voltage (wire - wire)	3 kV @ 60 s
Acket)   3 KV @ 60 S     Ain. operating temperature (static)   -40 °C     Aax. operating temperature (fixed)   80 °C     Operating temperature min. (dynamic)   -5 °C     Operating temperature max. (dynamic)   70 °C     Flame resistance   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     Ichemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Dil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     40. of bending cycles (C-track)   1 Mio. @ 25 °C     40. of torsion cycles   3 Mio. 25 °C	Electrical capacity line constant (wire - wire)	49000 pF/km
Max. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGood, application-related testingGood, application-related testingDil resistanceDIN EN 60811-404   Good, application-related testingSending radius (fixed)5 × Outer diameterBending radius (dynamic)10 × Outer diameterNo. of bending cycles (C-track)1 Mio. @ 25 °CNo. of torsion cycles3 Mio. 25 °C	Power frequency withstand voltage (wire - jacket)	3 kV @ 60 s
Operating temperature min. (dynamic)   -5 °C     Operating temperature max. (dynamic)   70 °C     Flame resistance   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     themical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Dil resistance   DIN EN 60811-404   Good, application-related testing     Sending radius (fixed)   5 × Outer diameter     Bending radius (dynamic)   10 × Outer diameter     Ao. of bending cycles (C-track)   1 Mio. @ 25 °C     Ao. of torsion cycles   3 Mio. 25 °C	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic)   70 °C     Flame resistance   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Dil resistance   DIN EN 60811-404   Good, application-related testing     Sending radius (fixed)   5 × Outer diameter     Bending radius (dynamic)   10 × Outer diameter     No. of bending cycles (C-track)   1 Mio. @ 25 °C     No. of torsion cycles   3 Mio. 25 °C	Max. operating temperature (fixed)	0° 08
Flame resistance   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Dil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     No. of bending cycles (C-track)   1 Mio. @ 25 °C     No. of torsion cycles   3 Mio. 25 °C	Operating temperature min. (dynamic)	-5 ℃
Inhemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Dil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     Jo. of bending cycles (C-track)   1 Mio. @ 25 °C     Jo. of torsion cycles   3 Mio. 25 °C	Operating temperature max. (dynamic)	70 °C
Good, application-related testing     Dil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     Jo. of bending cycles (C-track)   1 Mio. @ 25 °C     Ido. of torsion cycles   3 Mio. 25 °C	Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
Dil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     No. of bending cycles (C-track)   1 Mio. @ 25 °C     No. of torsion cycles   3 Mio. 25 °C	chemical resistance	Good, application-related testing
Bending radius (fixed)   5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     No. of bending cycles (C-track)   1 Mio. @ 25 °C     No. of torsion cycles   3 Mio. 25 °C	Gasoline resistance	Good, application-related testing
Bending radius (dynamic)   10 x Outer diameter     No. of bending cycles (C-track)   1 Mio. @ 25 °C     No. of torsion cycles   3 Mio. 25 °C	Oil resistance	DIN EN 60811-404   Good, application-related testing
Io. of bending cycles (C-track)   1 Mio. @ 25 °C     Io. of torsion cycles   3 Mio. 25 °C	Bending radius (fixed)	5 x Outer diameter
Io. of torsion cycles 3 Mio. 25 °C	Bending radius (dynamic)	10 x Outer diameter
- -	No. of bending cycles (C-track)	1 Mio. @ 25 °C
orsion stress ± 270 °/m	No. of torsion cycles	3 Mio. 25 °C
	Torsion stress	± 270 °/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: 2024-06-23

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