

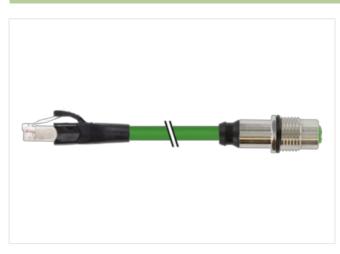
## M12 fem. recept. X-cod. / RJ45 male 0° shielded

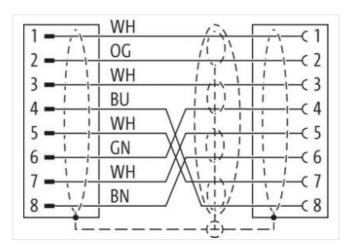
PUR 4x2xAWG26 shielded gn UL/CSA 40m

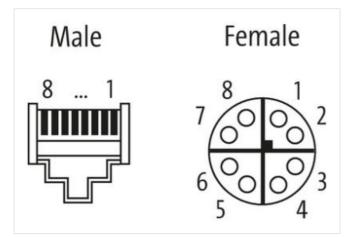
Ethernet CAT6A The resistance to aggressive media should be individually tested for your application. Further details on request. Flange female straight – male straight RJ45 – M12, 8-pole X-coded Product fulfills requirements according to UN/ECE R118 shielded Rear mounting Transmission properties with channel transmission up to 50 m Further cable lengths on request. Plastic housings with good resistance against chemicals and oils.

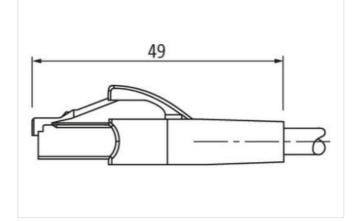
## Link to Product

Illustration









Product may differ from Image



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: 2024-06-26 Murrelektronik B.V. | Takkebijsters 3 | 4817 BL Breda | Fon 085-22 20 282 | Fax 085-22 20 283 | shop@murrelektronik.nl | shop.murrelektronik.nl



Side 1	
	incerted account
Mounting method Family construction form	inserted, screwed RJ45
Cable outlet	straight
Material	PUR
No. of poles	8
Degree of protection (EN IEC 60529)	IP20
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating head	nickel plated
Family construction form	M12
Thread	M12 x 1
Cable outlet	straight
Coding Material	X Brass
No. of poles	8
Width across flats	8 SW19
Degree of protection (EN IEC 60529)	IP67
	IF07
Commercial data	
ECLASS-6.0	27279220
ECLASS-6.1	27279220
ECLASS-7.0	27440103
ECLASS-8.0	27440103
ECLASS-9.0	27440103
ECLASS-10.1	27440103
ECLASS-11.1	27440103
ECLASS-12.0	27440103
ETIM-5.0	EC002599
customs tariff number GTIN	85444290
Packaging unit	4048879911566
Electrical data   Supply	
Operating voltage DC max.	60 V
Operating voltage DC max. (UL-listed)	30 V
Current operating per contact max.	0,5 A
Industrial communication	
Transfer parameters	CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)
Data transmission rate max.	10 GBit/s
Diagnostics	
Status indication LED	no
•	
Family construction form	M12
Device protection   Electrical	
Protection NEMA	3, 4, 6P
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	I
Mechanical data	
Contour for corrugated hose	without

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## Mechanical data | Material data

Caching cokingmodel plandLocking materialReaseMaculing reachedReaseMaculing reachedseefed, screed, Skaking protectionCaparating temperature max.85 °COperating temperature max.deporting on cable qualityImportant installation moreauter max.deporting on cable qualityImportant installation moreauter max.deporting on cable qualityImportant installation moreauter max.Attention: Observe tex permittable backing real when kiying cables, as the IP protection class can be accessed to screen y scre	Mechanical data   Material data	
Mechanical data   Nouring data           Mouring mathed         iserand. screwed. Shaking protection           Extroinmental characteristics   Climatic         iserand. screwed. Shaking protection           Operating temperature min.         45° C           Operating temperature max.         88° C           Additional condition temperature range         depending on cable quality           Important installation notes         Important cable on monthers by suitable measures from mathematical foads, e.g. by the usage of cable loss.           Note on sarian relief         Polecit the connectors by suitable measures from mathematical foads, e.g. by the usage of cable loss.           Contominy         Important cables and by a screwed bending targe when bying cables, as the IP protection class can be advagered by accessive bending targe when bying cables, as the IP protection class can be advagered by accessive bending targe when bying cables, as the IP protection class can be advagered by accessive bending targe when bying cables, as the IP protection class can be advagered by accessive bending targe when bying cables, as the IP protection class can be advagered by accessive bending targe when bying cables, as the IP protection class can be advagered by accessive bending targe when bying cables, as the IP protection class can be advagered by accessive bending targe when bying cables, as the IP protection class can be advagered by accessive bending targe when bying cables, as the IP protection class can be advagered by accessive bending targe when bying cables, as the IP protection class can be advagered by accessive bending targe when bying cables, as the IP proteclithe class cables when bying cables, as the IP prote	Coating locking	nickel plated
Monting method         instruct screwad, Shaking protocion           Environmental characteristics [Climatie         Construct supportance max.         25 ° C           Operating temperature max.         85 °C         Construct supportance max.         85 °C           Additional condition temperature maye         depending on cable quality         Important installation notes         Important installation notes           Protoc in strain rolled         Protoc Ithe connectors by suitable measures from machanical loads, a.g. by the usage of cable lois.           Nate on bending radius         Afterion: Observe the parmisable bending radii when laying cables, as the IP protection class can be endergreated by excessive bending radii when laying cables, as the IP protection class can be endergreated by excessive bending radii when laying cables, as the IP protection class can be endergreated by excessive bending radii when laying cables, as the IP protection class can be endergreated by excessive bending radii when laying cables, as the IP protection class can be endergreated by excessive bending radii when laying cables, as the IP protection class can be endergreated by excessive bending radii when laying cables, as the IP protection class can be endergreated by excessive bending radii when laying cables, as the IP protection class can be endergreated by excessive bending radii when laying cables, as the IP protection class can be endergreated by excessive bending radii when laying cables, as the IP protection class can be endergreated by excessive bending radii when laying cables, as the IP protection class can be endergreated by excessive bending radii when laying cables, as the IP protection class can bending radii when laying cables, as the IP protection class ca	Locking material	Brass
Environmental characteristics   Climatic           Operating temperature max.         25 °C           Comparing temperature max.         25 °C           Additional condition temperature range         depending on cable quality           Important Installation notes         Important Installation notes           Note on strain nigit         Protect the connectors by suitable measures from machanical leads, e.g. by the usage of cable lies.           Note on strain nigit         Protect the connectors by suitable measures from machanical leads, e.g. by the usage of cable lies.           Catomity         Important Stallation notes         Important Stallation notes           Protoct test andard         Dire No 1076 2-109 (M12)           Approval         Important Stallation notes           Us 50E         yes           Installation (cable         Important Stallation notes           mea arrangement         (white, orange), (white, blue), (white, brown), (white, green)           Cable identification         290           Cable identification         290           Catolic (Corr         green           Stranding (type 2)         1           Stranding (type 2)         1           Stranding (type 2)         1           Stranding (type 2)         5 %           Stranding (type 2)         5 % <td>Mechanical data   Mounting data</td> <td></td>	Mechanical data   Mounting data	
Operating temperature min.         45°C           Operating temperature max.         85°C           Additional condition temperature range         depending on cable guality           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on stain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Product standard         DIN EN 61076-2-109 (M12)           Approvals         yes           Product standard         DIN EN 61076-2-109 (M12)           Approvals         yes           UL SOE         yes           Batallation Cable         were arrangement           Weihle, orange), (while, blue), (while, green)         Cable identification           Type of Catificata         ULRus           Anount stranding         4           Stranding         2 wires twisted           Anount stranding (type 2)         1           Stranding (type 2)         4 Stranding (type 2)           Cable baileding (type)         copper braid, finend           Gable subleting (type)         copper braid, finend           Cable baileding (type)         5%           Barding on compe, (while, blue), (while, braen), (while, green)           Cable	Mounting method	inserted, screwed, Shaking protection
Operating temperature max.         85 °C           Addrenol condition temperature range         depending on cable quality           Important installation notes         Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable des.           Note on bonding radius         Attention: Observe the permissible bending tradi when laying cables, as the IP protection class can be endangered by excessive bending traces.           Contronity         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable des.           Approvals         Ut S0E         yes           Ut S0E         yes         Installation (Cable           wire arrangement         (white, orange), (white, blue), (white, brown), (white, green)         Cable dentification           Approvals	Environmental characteristics   Climatic	
Operating temperature max.         85 °C           Addrenol condition temperature range         depending on cable quality           Important installation notes         Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable des.           Note on bonding radius         Attention: Observe the permissible bending tradi when laying cables, as the IP protection class can be endangered by excessive bending traces.           Contronity         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable des.           Approvals         Ut S0E         yes           Ut S0E         yes         Installation (Cable           wire arrangement         (white, orange), (white, blue), (white, brown), (white, green)         Cable dentification           Approvals	Operating temperature min.	-25 °C
Additional condition temperature range         depending on cable quality           Important installation notes         Materitor: Observe the porticable benching radii when laying cables, as the IP protection class can be origing or dby oncessive benching fores.           Contornity         Product the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files.           Attention: Observe the porticable benching radii when laying cables, as the IP protection class can be origing or dby oncessive benching fores.           Contornity         Product Standard           Ut. GOE         yes           Installation (Cable         with compet, (white, orange), (white, brown), (white, green)           Cable Generification         790           Jacket Color         green           Type of Cable         green           Anomat stranding         4           Stranding (type 2)         1           Stranding (type 2)         1           Stranding (type 2)         4           Cable shifting (coverape)         55%           Banding         Foil           wires arrangement         (white, blue), (white, brown), (white, green)           Cable shifting (coverape)         55%           Banding         Foil           Wires arrangement         (white, orange), (white, blue), (white, brown), (white, green)		
Important instaliation 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 radus         Attention: Observe the permissible bending radi when laying cables, as the IP protection class can be endangered by excessive banding forces.           Contornity         Product standard         DIN EN 61076-2-109 (M12)           Approvate         yes           Installation   Cable         wes           wes arrangement         (while, blue), (while, brown), (while, green)           Cable identification         790           Jacket Color         green           Type of Certificate         cUBus           Amount stranding         4           Stranding         2 wres twisted           Amount stranding (type 2)         1           Stranding (type 2)         4 Stranded joints twisted           Cable isolation (type)         copper braid, timed		
Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable less.           Note on bending radius         Attention: Observe the permissible bonding radii when laying cables, as the IP protection classs can be ending tradii.           Contornity         DNE No 1076-2-109 (M12)           Approvals         U           Contornity         yes           Installation   Cable         (while, orange), (while, blue), (while, brown), (while, green)           Cable Iontification         790           Jacket Color         green           Type of Certificate         CuBus           Amount strainding         4           Stranding         2 wires twisted           Amount strainding         4           Stranding         2 wires twisted           Cable shielding (coverage)         65 %           Banding         Fail           Water angement         (while, blue), (while, brown), (while, green)           Cable shielding (coverage)         65 %           Banding         Fail           Water angement         (while, blue), (while, brown), (while, green)           Cable shielding (coverage)         65 %           Banding         52 %           Material wire inspredents (Gackll)         64 /mm	Important installation notes	
Note on bending radius         Attention: Observe the pormiscible bending radii when laying cables, as the IP protection dass can be endangered by excessive bending forces.           Conformity         Endet standard         DIN EN 61076-2-109 (M12)           Approvals         U         Standard         Standard           Ut: SOE         yes         Installation (Cable         Wite arrangement         (white, orange), (white, blue), (white, brown), (white, green)         Cable identification         790           Cable identification         790         Cable identification         790         Cable identification         790           Stranding         4         Stranding         4         Stranding         4           Stranding (type 2)         1         Stranding (type 2)         1         Stranding (type 2)         4         Stra	· ·	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standard         DIN EN 61076-2-109 (M12)           Approvals         yes           Installation   Cable         winke arrangement         (while, orange), (white, blue), (white, brown), (white, green)           Cable identification         790	Note on bending radius	
Product standard         DIN EN 61076-2-109 (M12)           Approvals         yes           Installation   Cable         winke arrangement         (while, orange), (white, blue), (white, brown), (white, green)           Cable identification         790	Conformity	
ApprovalsUL 50EyesInstallation (Cablewire arrangement(white, orange), (white, blue), (white, brown), (white, green)Cable identification790Jacket ColorgreenType of CorificatecURusAmount stranding4Stranding2 wires twistedAmount stranding (type 2)1Stranding (type 2)4 Stranded joints twistedCable shielding (type 2)4 Stranded joints twistedCable shielding (type 2)5 %BandingFoilwire arrangement(white, orange), (white, blue), (white, brown), (white, green)Cable wisith52.8 g/mMaterial jacketPURShore hardness jacket89 Shore AFreedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter diameter (sheath) $\pm 5 \%$ Material jacketPEAmount twise8Outer diameter (sheath) $\pm 5 \%$ Material jacket15 %Shore hardness wire insulation1.05 mmOuter diameter (sheath) $\pm 5 \%$ Material jacket7Diametor or sizuation1.65 Shore DIngredient freeness wire insulation1.65 MGConductor orressection (wire)2		DIN EN 61076-2-109 (M12)
UL SOEyesInstallation   Cablewire arrangement(white, orange), (white, blue), (white, brown), (white, green)Cable identification790Cable identification790Jacket CologreenType of CertificatecURusAnount stranding4Amount stranding2 wires twistedAmount stranding (type 2)1Stranding (type 2)4 Stranded joints twistedCable shielding (type 1)copper braid, finnedCable shielding (type 2)65 %BandingFoilwire arrangement(white, orange), (white, blue), (white, brown), (white, green)Cable shielding (coverage)65 %BandingFoilwire arrangement(white, orange), (white, blue), (white, brown), (white, green)Cable weight52.8 g/mMaterial jacketPURShore hardness jacket89 Shore AFreedom from ingerdients (jacket)6.4 rmTolerace outer diameter (globeth)1.5 %Material wire insulation1.05 rmOuter diameter (globeth)5.5 %Shore hardness wire insulation1.05 rmOuter diameter insulation<		
Installation   Cable           wire arrangement         (white, orange), (white, blue), (white, green)           Cable identification         790           Jacket Color         green           Type of Certificate         cURus           Amount stranding         4           Stranding         2 wires twisted           Amount stranding (type 2)         1           Stranding (type 2)         4 Stranded pionts twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (type)         copper braid, tinned           Cable shielding (type)         copper braid, tinned           Cable shielding (tope)         65 %           Banding         Foil           wire arrangement         (white, orange), (white, blue), (white, green)           Cable weight         52.8 g/m           Material jacket         PUR           Shore hardness jackot         89 Shore A           Freedom trom ingredients (jacket)         6.4 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PE           Amount wires         8           Outer diameter tolerance core insulation         1.05 mm           User diameter tolerance core insulation         5 % <td></td> <td></td>		
wire arrangement(white, orange), (white, blue), (white, green)Cable identification790Jacket ColorgreenType of CertificatecURusAmount stranding4Stranding2 wires twistedAmount stranding (type 2)1Stranding (type 2)4 Stranded joints twistedCable shielding (type)copper braid, tinnedCable weigth52.8 g/mMaterial jacketPURShore Aardness jacket89 Shore AFreedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter-diameter (jacket)6,4 mmTolerance outer (jacket)5%Material wire insulation1,05 mmOuter diameter (sheath)± 5%Shore hardness insulation1,05 mmOuter diameter tolerance core insulation1,55 mmIngredient freeness wire insulation1,65 mmIngredient freeness wire insulation16 Shore DIngredient freeness wire insulation16 Shore D<	UL 50E	yes
Cable identification     790       Jacket Color     green       Type of Certificate     cURus       Amount stranding     4       Stranding (type 2)     1       Stranding (type 2)     4       Cable shielding (type 2)     4       Cable shielding (type 2)     4       Cable shielding (type 2)     5%       Cable shielding (type 2)     65%       Banding     Foil       wire arrangement     (white, orange), (white, blue), (white, brown), (white, green)       Cable shielding (type)     52.8 g/m       Material jacket     PUR       Shore hardnese jacket     89 Shore A       Freedom from ingredients (jacket)     6.4 nm       Tolerance outer diameter (sheath)     ± 5%       Material wire insulation     PE       Amount trandition     PE       Amount trandition     ± 5%       Shore hardnese wire insulation     1.05 mm       Outer diameter insulation	Installation   Cable	
Jacket ColorgreenType of CertificatecURusAmount stranding4Stranding2 wires twistedAmount stranding (type 2)1Stranding (type 2)4 Stranded joints twistedCable shielding (type)copper braid, tinnedCable shielding (type)copper braid, tinnedCable shielding (type)65 %BandingFoilwire arrangement(white, orange), (white, blue), (white, brown), (white, green)Cable weighth52.8 g/mMaterial jacketPURShore hardness jacket89 Shore AFreedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter-diameter (sheath)± 5 %Material jacketPEAmount wires8Outer diameter (sheath)± 5 %Shore hardness wire insulationPEAmount wires8Outer diameter tolerance core insulation± 5 %Shore D randness wire insulation65 Shore DIngredient treeness wire insulation1.05 mmOuter diameter insulation1.05 mmOuter diameter insulation1.64 free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires26 AWGConductor wires25 Randed copper wire, bareNominal voltage AC max.125 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	wire arrangement	(white, orange), (white, blue), (white, brown), (white, green)
Type of CertificatecURusAmount stranding4Stranding (type 2)1Stranding (type 2)4 Stranded joints twistedCable shielding (type)copper braid, tinnedCable shielding (type)copper braid, tinnedCable shielding (toverage)65 %BandingFoilwire arrangement(white, orange), (white, blue), (white, brown), (white, green)Cable weigh52.8 g/mMaterial jacketPURShore hardness jacket89 Shore AFreedom trom ingredients (jacket)lead-free, CF-G-free, halogen-freeOuter-diameter (jacket)6.4 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPEAmount wires8Outer diameter tolerance core insulation± 5 %Shore hardness wire insulationi 45 %Outer diameter tolerance core insulation1,05 mmOuter diameter tolerance core insulationi 45 %Shore hardness wire insulationi 45 %Outer diameter tolerance core insulationi 45 %Shore hardness wire insulationi 45 %Shore hardness wire insulationi 45 %Cutter of diameter tolerance core insulationi 45 %Shore hardness wire insulationi 45 %Conductor crosssection (wire)26 AWGConductor wireStranded copper wire, bareNominal voltage AC max	Cable identification	790
Anount stranding4Anount stranding2 wires twistedAnount stranding (type 2)1Stranding (type 2)4 Stranded joints twistedCable shielding (type 2)4 Stranded joints twistedCable shielding (type 2)65 %BandingFoilwire arrangement(white, orange), (white, blue), (white, brown), (white, green)Cable weigh52.8 g/mMaterial jacketPURShore hardness jacket89 Shore AFreedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter-diameter (jacket)6.4 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPEAnount strands (wire)1.05 mmOuter diameter tolerance core insulation1.05 mmOuter diameter tolerance core insulation1.5 %Shore hardness wire insulation1.5 %Shore hardness wire insulation1.5 Shore DIngredient freess wire insulation1.62 Shore DIngredient freess wire insulation1.5 Shore DTolerance outer of single wires26 AWGConductor crossection (wire)27 AWGMaterial orductor wireStranded copper wire, bareNominal voltage AC max.125 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 (standard)to DIN VDE 0296-0Ac withstand voltage (wire - wire)2 AV $\otimes$ 60 s <td>Jacket Color</td> <td>green</td>	Jacket Color	green
Stranding       2 wires twisted         Arnout stranding (type 2)       1         Stranding (type 2)       4 Stranded joints twisted         Cable shielding (type)       copper braid, tinned         Cable shielding (coverage)       65 %         Banding       Foil         wire arrangement       (white, orange), (white, brown), (white, green)         Cable weighh       52.8 g/m         Material jacket       PUR         Shore hardness jacket       89 Shore A         Freedom from ingredients (jacket)       lead-free, CFC-free, halogen-free         Outer-diameter (jacket)       6.4 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PE         Amount wires       8         Outer diameter tolerance core insulation       1.05 mm         Outer diameter insulation       6.5 Shore D         Ingredient freeness wire insulation       6.5 Shore D         Ingredient freeness wire insulation       1.65 Shore D         Ingredient freeness wire insulation       1.64 Shore D         <	Type of Certificate	cURus
Amount stranding (type 2)       1         Stranding (type 2)       4 Stranded joints twisted         Cable shielding (type)       copper braid, tinned         Cable shielding (coverage)       65 %         Banding       Foil         wire arrangement       (white, orange), (white, blue), (white, brown), (white, green)         Cable weigth       52,8 g/m         Material jacket       PUR         Shore hardness jacket       89 Shore A         Freadom from ingredients (jacket)       lead-free, CFC-free, halogen-free         Outer-diameter (jacket)       6.4 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PE         Amount wires       8         Outer diameter insulation       1.05 mm         Outer diameter insulation       ± 5 %         Shore hardness wire insulation       65 Shore D         Ingredient freeness wire insulation       lead-free, CFC-free, halogen-free         Amount strands (wire)       7         Diameter of single wires       26 AWG         Conductor rossection (wire)       26 AWG         Conductor wire       Stranded copper wire, bare         Nominal voltage AC max.       125 V         Current load capacity (standard) <td< td=""><td>Amount stranding</td><td>4</td></td<>	Amount stranding	4
Stranding (type 2)       4 Stranded joints twisted         Cable shielding (type)       copper braid, tinned         Cable shielding (coverage)       55 %         Banding       Foil         wire arrangement       (white, orange), (white, blue), (white, brown), (white, green)         Cable weigth       52.8 g/m         Material jacket       PUR         Shore hardness jacket       89 Shore A         Freedom from ingredients (jacket)       lead-free, CFC-free, halogen-free         Outer-diameter (acket)       6.4 nm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PE         Armount wires       8         Outer diameter tolorance core insulation       1,05 mm         Outer diameter tolorance core insulation       ± 5 %         Shore hardness wire insulation       55 Shore D         Ingredient treeness wire insulation       lead-free, CFC-free, halogen-free         Amount strands (wire)       7         Diameter of single wires       26 AWG         Conductor crossection (wire)       26 AWG         Conductor wire       Stranded copper wire, bare         Nominal voltage AC max.       125 V         Current load capacity (standard)       to DIN VDE 0296-4	Stranding	2 wires twisted
Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         65 %           Banding         Foil           wire arrangement         (white, orange), (white, blue), (white, brown), (white, green)           Cable weigth         52,8 g/m           Material jacket         PUR           Shore hardness jacket         89 Shore A           Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Outer diameter (acket)         6,4 mm           Tolerance outer diameter (sheath)         ± 5 %           Material jacket         8           Outer diameter (sheath)         ± 5 %           Material wire insulation         PE           Arnount wires         8           Outer diameter tolerance core insulation         1,05 mm           Outer diameter insulation         1,85 %           Shore hardness wire insulation         16a/free, CFC-free, halogen-free           Amount strands (wire)         7           Diameter of single wires         26 AWG           Conductor coresprescrion (wire)         26 AWG	Amount stranding (type 2)	1
Cable shielding (coverage) $65 \%$ BandingFoilwire arrangement(white, orange), (white, blue), (white, brown), (white, green)Cable weigth $52.8  g/m$ Material jacketPURShore hardness jacket $89  Shore A$ Freedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter-diameter (jacket) $6.4  mm$ Tolerance outer diameter (sheath) $\pm 5 \%$ Material wire insulationPEAmount wires $8$ Outer diameter tolerance core insulation $1.05  mm$ Outer diameter tolerance core insulation $4.5  \%$ Shore hardness wire insulation65 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount wires $8$ Outer diameter tolerance core insulation $4.5  \%$ Shore hardness wire insulationlead-free, CFC-free, halogen-freeAmount wires $26  AWG$ Conductor wires $26  AWG$ Conductor wireStranded copper wire, bareNominal voltage Armax $125  V$ Current load capacity min. wire $2  A$ Electrical resistance line constant wire $140  \Omega/km @ 20  °C$ AC withstand voltage (wire - wire) $2  kV @ 60  s$	Stranding (type 2)	4 Stranded joints twisted
Banding       Foil         wire arrangement       (white, orange), (white, blue), (white, brown), (white, green)         Cable weigth       52,8 g/m         Material jacket       PUR         Shore hardness jacket       89 Shore A         Freedom from ingredients (jacket)       lead-free, CFC-free, halogen-free         Outer-diameter (jacket)       6,4 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PE         Amount wires       8         Outer diameter insulation       1,05 mm         Outer diameter insulation       1,05 mm         Outer diameter insulation       6,5 Shore D         Ingredient freeness wire insulation       65 Shore D         Ingredient freeness wire insulation       lead-free, CFC-free, halogen-free         Amount strands (wire)       7         Diameter of single wires       26 AWG         Conductor crossection (wire)       26 AWG         Material conductor wire       Stranded copper wire, bare         Normial voltage AC max.       125 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 <tr< td=""><td>Cable shielding (type)</td><td>copper braid, tinned</td></tr<>	Cable shielding (type)	copper braid, tinned
wire arrangement       (white, orange), (white, blue), (white, brown), (white, green)         Cable weigth       52,8 g/m         Material jacket       PUR         Shore hardness jacket       89 Shore A         Freedom from ingredients (jacket)       lead-free, CFC-free, halogen-free         Outer-diameter (jacket)       6,4 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PE         Amount wires       8         Outer diameter insulation       1,05 mm         Outer diameter lolerance core insulation       ± 5 %         Shore hardness wire insulation       65 Shore D         Ingredient freeness wire insulation       lead-free, CFC-free, halogen-free         Amount strands (wire)       7         Diameter of single wires       26 AWG         Conductor crosssection (wire)       26 AWG         Conductor wire       Stranded copper wire, bare         Material conductor wire       Stranded copper wire, bare         Nominal voltage AC max.       125 V         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       2 A         Electrical resistance line constant wire       140 Ω/km @ 20 °C         AC withstand voltage (wire - wire)	Cable shielding (coverage)	65 %
Cable weight52,8 g/mMaterial jacketPURShore hardness jacket89 Shore AFreedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter-diameter (jacket)6,4 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPEAmount wires8Outer diameter tolerance core insulation1,05 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation1,05 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation65 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires26 AWGConductor crossection (wire)26 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.125 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 020 °CAC withstand voltage (wire - wire)2 kV @ 60 s	Banding	Foil
Material jacket       PUR         Shore hardness jacket       89 Shore A         Freedom from ingredients (jacket)       lead-free, CFC-free, halogen-free         Outer-diameter (jacket)       6,4 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PE         Amount wires       8         Outer diameter insulation       1,05 mm         Outer diameter oc ore insulation       ± 5 %         Shore hardness wire insulation       65 Shore D         Ingredient freeness wire insulation       65 Shore D         Ingredient freeness wire insulation       1ead-free, CFC-free, halogen-free         Amount strands (wire)       7         Diameter of single wires       26 AWG         Conductor crosssection (wire)       26 AWG         Material conductor wire       Stranded copper wire, bare         Nominal voltage AC max.       125 V         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       2 A         Electrical resistance line constant wire       140 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2 kV @ 60 s	wire arrangement	(white, orange), (white, blue), (white, brown), (white, green)
Shore hardness jacket89 Shore AFreedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter-diameter (jacket)6,4 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPEAmount wires8Outer diameter insulation1,05 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation± 5 %Shore hardness wire insulation65 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires26 AWGConductor wireStranded copper wire, bareNominal voltage AC max.125 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire2 AElectrical resistance line constant wire140 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 s	-	52,8 g/m
Freedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter-diameter (jacket)6,4 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPEAmount wires8Outer diameter insulation1,05 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation65 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires26 AWGConductor crosssection (wire)26 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.125 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire2 AElectrical resistance line constant wire140 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 s	Material jacket	PUR
Outer-diameter (jacket)       6,4 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PE         Amount wires       8         Outer diameter insulation       1,05 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       65 Shore D         Ingredient freeness wire insulation       lead-free, CFC-free, halogen-free         Amount strands (wire)       7         Diameter of single wires       26 AWG         Conductor crosssection (wire)       26 AWG         Material conductor wire       Stranded copper wire, bare         Nominal voltage AC max.       125 V         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       2 A         Electrical resistance line constant wire       140 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2 kV @ 60 s	Shore hardness jacket	89 Shore A
Tolerance outer diameter (sheath)± 5 %Material wire insulationPEAmount wires8Outer diameter insulation1,05 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation65 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires26 AWGConductor crosssection (wire)26 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.125 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire2 AElectrical resistance line constant wire140 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 s		lead-free, CFC-free, halogen-free
Material wire insulationPEAmount wires8Outer diameter insulation1,05 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation65 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires26 AWGConductor crossection (wire)26 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.125 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire2 AElectrical resistance line constant wire140 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 s	Outer-diameter (jacket)	
Amount wires8Outer diameter insulation1,05 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation65 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires26 AWGConductor crosssection (wire)26 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.125 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire2 AElectrical resistance line constant wire140 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 s	Tolerance outer diameter (sheath)	
Outer diameter insulation1,05 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation65 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires26 AWGConductor crosssection (wire)26 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.125 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire2 AElectrical resistance line constant wire140 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 s		
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Shore hardness wire insulation65 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires26 AWGConductor crosssection (wire)26 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.125 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire2 AElectrical resistance line constant wire140 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 s		
Ingredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires26 AWGConductor crosssection (wire)26 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.125 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire2 AElectrical resistance line constant wire140 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 s		
Amount strands (wire)7Diameter of single wires26 AWGConductor crosssection (wire)26 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.125 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire2 AElectrical resistance line constant wire140 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 s		
Diameter of single wires26 AWGConductor crosssection (wire)26 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.125 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire2 AElectrical resistance line constant wire140 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 s		
Conductor crosssection (wire)26 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.125 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire2 AElectrical resistance line constant wire140 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 s		
Material conductor wireStranded copper wire, bareNominal voltage AC max.125 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire2 AElectrical resistance line constant wire140 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 s		
Nominal voltage AC max.125 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire2 AElectrical resistance line constant wire140 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 s		
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire2 AElectrical resistance line constant wire140 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 s		
Current load capacity min. wire2 AElectrical resistance line constant wire140 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 s		
Electrical resistance line constant wire     140 Ω/km @ 20 °C       AC withstand voltage (wire - wire)     2 kV @ 60 s		
AC withstand voltage (wire - wire) 2 kV @ 60 s		
Electrical capacity line constant (wire - wire) 44000 pF/km		_
	Electrical capacity line constant (wire - wire)	44000 pF/km

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: 2024-06-26

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Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	2 kV @ 60 s
Isolation 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 § 1100 FT2   UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	8 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter

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