

## M12 male 90° / M8 female 0° A-cod.

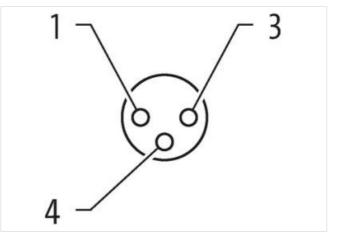
PUR 3x0.25 gy UL/CSA+drag ch. 2m

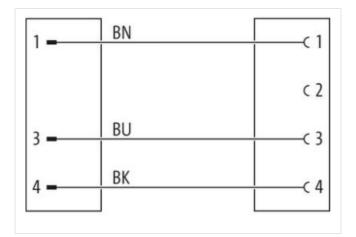
Male 90° – female straight M12 – M8, 3-pole Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

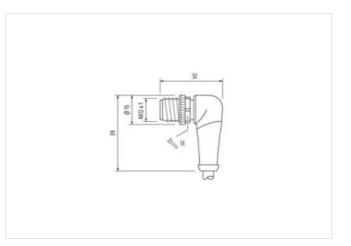
## Link to Product

Illustration





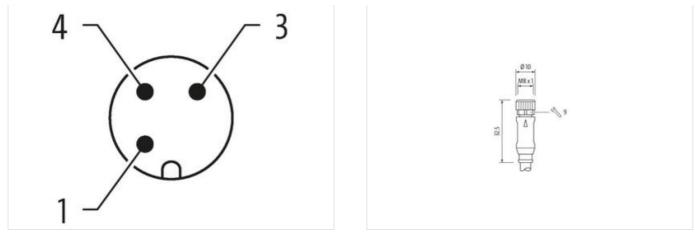




The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-09

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Product may differ from Image



Oshla lanalk	0
Cable length	2 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP66K, IP67
Side 2	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Family construction form	M8
Thread	M8 x 1
Material	PUR
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879447706
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	250 V
Operating voltage DC max.	250 V

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Note United Ing Fability     endangered by excessive bending forces.       Installation   Cable     230       Cable identification     230       Cable Identification     3       Jacket Color     gray       Type of Certificate     cURus       Anount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Cable weight     26.4 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freecom from ingredients (jacket)     4.1 mm       Tolerance outer diameter (sheath)     ± 5 %       Tolerance outer diameter (sheath)     ± 5 %       Couter diameter (sheath)     ± 5 %       Shore hardness wire insulation     1.25 mm       Outer diameter loarance core insulation     ± 5 %       Shore hardness wire insulation     1.25 shore D       Ingredient freeness wire insulation     1.25 mm²       Orductor orsessection (wire)     0.25 mm²       Conductor type (wire)     32       Dinameter of sing	Device protection   Electrical	
Mechanical data     Index plated       Casting of fitting     nickel plated       Material screw connection     Zin cile-casting       Mechanical data     Mouning method     inserted, screwed, Shaking protection       Environmental characteristics   Climature     Operating tegmenature min.     25*C       Operating tegmenature min.     25*C     Operating tegmenature min.     25*C       Operating tegmenature min.     25*C     Operating tegmenature max.     85*C       Rational condition temperature range     deponding on cable quality     Important installistion notes       Important installistion notes     Attention: Cbserve the permissible tending radii when sying cables, as the IP protection class can be endangered by soccessive bending tradii when sying cables, as the IP protection class can be endangered by soccessive bending radii when sying cables, as the IP protection class can be endangered by soccessive bending radii when sying cables, as the IP protection class can be endangered by soccessive bending radii when sying cables, as the IP protection class can be endangered by soccessive bending radii when sying cables, as the IP protection class can be endangered by soccessive bending radii when sying cables, as the IP protection class can be endangered by soccessive bending radii when sying cables, as the IP protection class can be endangered by soccessive bending radii when sying cables, as the IP protection class can be endangered by soccessive bending radii when sying cables, as the IP proteclicin class       In	Additional condition protection degree	inserted, screwed
Caning of fitting     incide patted       Material screw connection     Zinc die-casting       Machanical data [ Mounting data]     inserted, screwed, Shaking protection       Environmental characteristics [ Climatic     25° C       Operating tomperature max.     26° C       Operating tomperature max.     26° C       Operating tomperature max.     26° C       Additional condition temperature range     depending on cable quality       Important Installation notes     Environmental characteristics [ Climatic       Note on strain relifs     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable free.       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can bending radia.     200       Cable free     930     3       Jacket Color     gray     3       Mount strainfiet     UFus     3       Anount strainfiet     100 m @ 25° C   horizontal     3       Traversing distance (C+rack)     10 m @ 25° C   horizontal     3       Anount strainfiet     90 s 5 Sinore A     3       Freedom from ingraduatis (acket)     90 s 5 Sinore A     3       Cable weigh	Rated surge voltage	1,5 kV
Material screw connection     Zinc die casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics [ Climatic     Constraints and the screwed, Shaking protection       Operating temperature min.     -25 ° C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.       Note on strain noted     Protect the connectors by suitable measures from mechanical loads, e.g., by the usage of cable ites.       Installation ( Cable     Cable dentification     230       Cable Fype     3	Mechanical data   Material data	
Material screw connection     Zinc die casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics [ Climatic     Constraints and the screwed, Shaking protection       Operating temperature min.     -25 ° C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.       Note on strain noted     Protect the connectors by suitable measures from mechanical loads, e.g., by the usage of cable ites.       Installation ( Cable     Cable dentification     230       Cable Fype     3	Coating of fitting	nickel plated
Muning method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     25 °C       Operating temperature max.     25 °C       Additional condition temperature range     depanding on cable quality       Important Istallation notes     Vieto the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fees.       Note on banding radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be indragored by eccessive bending forces.       Installation (Cable     230       Cable identification     230       Cable forpo     3       Amount stranding     1       Threading     9 vieto strate       Yipe of Carlificate     CuPus       Amount stranding     3 wires twisted       Wire arragement     brown, black, blue       Threading facket     PUR       Strone hardness jacket		-
Muning method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     25 °C       Operating temperature max.     25 °C       Additional condition temperature range     depanding on cable quality       Important Istallation notes     Vieto the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fees.       Note on banding radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be indragored by eccessive bending forces.       Installation (Cable     230       Cable identification     230       Cable forpo     3       Amount stranding     1       Threading     9 vieto strate       Yipe of Carlificate     CuPus       Amount stranding     3 wires twisted       Wire arragement     brown, black, blue       Threading facket     PUR       Strone hardness jacket	Mechanical data   Mounting data	
Environmental characteristics   Climatic     25 °C       Operating temperature max.     85 °C       Additional condition temperature may.     85 °C       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.       Institution (Cable     Cable distribution: Cheaver the permissible bonding radii when laying cables, as the IP protection class can b endangered by excessive bending forces.       Institution (Cable     Cable Type     3       Cable Type     3     Galackel Color       Type of Cartificate     cURus     Amount stranding       Stranding     3 wise twisted     wise arrangement       brow, black, blue     Traversing distance (C-track)     10 m @ 25 °C   horizontal       Cable weigh     26.4 g/m     Material axist       Material axist     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from Ingredients (acked)     1.4 mm       Outer diameter (sheath) </td <td>· · ·</td> <td>inserted screwed Shaking protection</td>	· · ·	inserted screwed Shaking protection
Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature max.     85 °C       Mote on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Institution (Cable     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can b ending radii when laying cables.       Cable domification     230       Cable forthicate     cURus       Amount stranding     1       Stranding     3 wices twisted       wire arrangement     brown, black, blue       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Cable weight     26 4 g/m       Material jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (ischet)     1,25 rmm       Outer diameter (ischet)     1,25 rmm       Outer diameter insulation     1,25 rmm       Outer diameter (ischet)     1,25 rmm       Outer diameter insulation     <	-	
Operating temperature max.     85 °C       Additional condition temperature maya     depending on cable quality       Important installation notes     Important installation notes       Note on stain ielef     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.       Note on bending radius     Attention: Observe the permissible bending radi when laying cables, as the IP protection class can b endangered by excessive bending forces.       Installation ( Cable     230       Cable Type     3       Jacket Color     gray       Type of Certificate     cUPlus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Traversing distance (C-track)     10 m @ 25 °C 1 (brizontal       Cable weight     84 q/m       Material vice indeniets (gacket)     90 ± 5 Store A       Freedom from ingredients (gacket)     190 ± 5 %       Outer diameter (leaket)     1.25 rm       Outer diameter invaliation     PP       Amount stranding     1.25 rm       Outer diameter invaliation     1.25 rm       Outer diameter invaliation     9.5 \$ Store A </td <td>•</td> <td></td>	•	
Additional condition temperature range     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.       Installation   Cable     Za0       Cable identification     230       Cable identification     230       Cable Type     3       Jacket Color     gray       Type of Cortificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Traversing distance (C-track)     10 m (£2 5 C) horizontal       Cable weigh     26.4 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (isoket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter insulation     125 %       Shore hardness wire insulation     125 %       Shore hardness wire insulation     125 %       Duter diameter fueld single wires     0,1 mm       Out		
Important installation notes     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 b ending radius when laying cables, as the IP protection class can b ending radius when laying cables, as the IP protection class can b ending radius when laying cables, as the IP protection class can b endingered by excessive bending forces.       Installation   Cable     230       Cable identification     230       Cable identification     230       Cable identification     230       Stranding     1       Stranding     3       Stranding     1       Stranding     1       Stranding     10 m @ 25 °C   horizontal       Cable weight     26,4 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jackat)     lead-free, cadmium-free, CFC-free, halogen free, silicone-free       Outer diameter (sheath)     ± 5 %       Shore hardness wire insulation     P2 ± 5 %       Cater diameter (sheath)     ± 5 %       Shore hardness wire insulation     1.25 mm       Outer diameter insula		
Nake on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files.       Nate on bending radius     Attention: Coserve the permissible bending radii when laying cables, as the IP protection class can be endagered by excessive bending forces.       Installation I Cable     Zalo       Cable Type     3       Jacket Color     gray       Type of Certificate     cURus       Anount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Cable Type (Gertificate     Quert       Outer diameter (globet)     4,1 mm       Tolerance outer diameter (sheath)     ± 5 %       Material incident     1,25 mm       Outer diameter (sheath)     ± 5 %       Shore hardness wire insulation     1,25 mm       Outer diameter lowers wire insulation     1,25 mm       Outer diameter lowers wire insulation     1,25 mm       Outer diameter lowers wire insulation     ± 5 %       Shore hardness wire insulation     1,25 mm       Outer diameter insulation     1,25 mm       <		depending on cable quality
Attention: Observe the permissible bending radii when laying cables, as the IP protection class can b endangered by excessive bending forces.       Installation   Cable       Cable identification     230       Cable Type     3       Jacket Color     gray       Type of Certificate     cURus       Anount stranding     1       Stranding     3 wires twisted       Stranding     3 wires twisted       Taversing distance (C-track)     10 m @ 25 °C   horizontal       Cable weigth     26,4 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     1 at m       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Anount strands (wire)     32       Outer diameter rolerance core insulation     ± 5 %       Shore hardness wire insulation     125 mm       Outer diameter insulation     22 Shore D       Ingredient freeness wire insulation     125 mm <sup>2</sup> Outer diameter insulation     125 mm <sup>2</sup> Outer diameter or single wires     0.1 mm       Conductor wi	Important installation notes	
Note Uneffung fability     endangered by excessive bending forces.       Installation   Cable     230       Cable identification     230       Cable Color     gray       Jacket Color     gray       Type of Certificate     cURus       Anount stranding     1       Stranding     3 wires twisted       wire arangement     brown, black, blue       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Cable weigh     26.4 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     4.1 mm       Tolerance outer diameter (jacket)     4.1 mm       Tolerance outer diameter (jacket)     1 ± 5 %       Outer diameter (jacket)     1 ± 5 %       Shore hardness wire insulation     1 ± 5 %       Shore hardness down wire insulation     1 ± 5 %       Shore hardness down insulation     1 ± 5 %       Conductor orossection	Note on strain relief	
Cable identification230Cable identificationgrayJacket ColorgrayType of CertificatecURusAnount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueTraversing distance (C-track)10 m @ 25 °C   horizontalCable weigh25.4 g/mAterial jacketPURShore hardness jacket90 ± 5 Shore AShore hardness jacket90 ± 5 Shore AShore during readers in gradents (jacket)4.1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount strands (wire)3Outer diameter (sheath)± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient risulation1.25 mmOuter diameter insulation70 ± 5 Shore DIngredient freeness wire insulation10 ± 5 %Conductor orxsescilon (wire)0.25 mm²Conductor orke (wire)32Diameter of single wires0.1 mmConductor wireStranded copper wire, bareConductor wireStranded copper wire, bareConductor wire10 DIN DE 028-4Current load capacity (shandard)to DIN DE 028-4Current load capacity (shandard)to DIN DE 028-4Current load capacity (wirshand voltage (wire - vire)2.5 kV @ 60 sPower frequency withstand voltage (wire - vire)2.5 kV @ 60 sPower frequency withstand voltage (wire - vire)2.5 kV @ 60 s	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.
Cable Type3Jacket ColorgrayType of CertificatecURusAnount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueTraversing distance (C-track)10 m $@$ 25 °C   horizontalCable weigh26.4 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmum-free, CFC-free, halogen-free, silicone-freeOuter-diameter (sheath)± 5 %Material wire insulationPPAmount stranding3Outer diameter (sheath)± 5 %Shore hardness wire insulation1.25 mmOuter diameter tolerance core insulation1.25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation9 ± 5 Shore DIngredient freeness wire insulation12 S Shore DIngredient freeness wire insulation32Diameter of single wires0,1 mmConductor type (wire)3.2 sm²Diameter of single wires0,1 mmConductor type (wire)\$tranded copper wire, bareConductor type (wire)\$tranded copper wire, bareNorminal voltage AC max.300 VCurrent load capacity (standard)to DIA VDE 0298-4Current load capacity min. wire $4,5$ AElectrical resistance line constant wire79 G/km @ 20 °CAC withstand voltage (wire - wire) $2,5$ kV @ 60 sPower frequency withstand voltage (wire - wire) $2,5$ kV @ 60 s <t< td=""><td>Installation   Cable</td><td></td></t<>	Installation   Cable	
Jacket Color   gray     Type of Certificate   cURus     Arnount stranding   1     Stranding   3 wires twisted     wire arrangement   brown, black, blue     Traversing distance (C-track)   10 m @ 25 °C   horizontal     Cable weigth   26,4 g/m     Material jacket   PUR     Shore hardness jacket   90 ± 5 Shore A     Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer-diameter (jacket)   4,1 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Annount wires   3     Outer diameter tolerance core insulation   1,25 mm     Outer diameter tolerance core insulation   1,25 mm     Outer diameter tolerance core insulation   10 ± 5 Shore D     Ingredient freeness wire insulation   10.2 the cadmium-free, CFC-free, halogen-free, silicone-free     Amount wires   32     Diameter of single wires   0,1 mm     Conductor rossection (wire)   0.25 mm²     Material conductor wire   Stranded copper wire, bare     Conductor rype (wire)   strand class 6	Cable identification	230
CPUs       CURus       Amount stranding       1       Stranding       3 wires twisted       wire arrangement       brown, black, blue       Traversing distance (C-track)       10 m @ 25 °C   horizontal       Cable weigth     26,4 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4,1 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Arnount wires     3       Outer diameter insulation     1,25 mm       Outer diameter insulation     1,2 5 mm       Outer diameter insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     1 ad-free, cadmium-free, CFC-free, halogen-free, silicone-free       Arnount strands (wire)     32       Diameter olerance occe insulation     1,25 mm       Conductor consessection (wire)     0,25 mm²       Conductor wire     Stranded copper wire, CFC-free, halogen-free, silicone-free	Cable Type	3
Anount stranding   1     Anount stranding   3 wires twisted     Stranding   3 wires twisted     Stranding   3 wires twisted     Inversing distance (C-track)   10 m @ 25 °C   horizontal     Cable weigh   26.4 g/m     Material jacket   PUR     Shore hardness jacket   90 ± 5 Shore A     Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer-diameter (jacket)   4,1 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount strand(wire)   3     Outer diameter insulation   1,25 mm     Outer diameter insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   32     Diameter of ingle wires   0,1 mm     Conductor rowsection (wire)   0,25 mm²     Material conductor wire   Strande dooper wire, bare     Conductor vire   Strande dooper wire, bare     Conductor type (wire)   strand class 6     Nominal voltage AC max.   300 V     Current	Jacket Color	gray
Stranding   3 wires twisted     wire arrangement   brown, black, blue     Traversing distance (C-track)   10 m @ 25 °C   horizontal     Cable weigth   26,4 g/m     Material jacket   PUR     Shore hardness jacket   90 ± 5 Shore A     Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer-diameter (jacket)   4,1 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   3     Outer diameter insulation   1,25 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   125 mm     Outer diameter (single wires)   0,1 mm     Conductor cossection (wire)   0,25 mm²     Material conductor wire   Stranded copper wire, bare     Conductor twire   Stranded copper wire, bare     Conductor type (wire)   strande copse of C     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   4,5 A	Type of Certificate	cURus
wire arrangement     brown, black, blue       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Cable weigth     26,4 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4,1 mm       Tolerance outer diameter (shealth)     ± 5 %       Material wire insulation     PP       Arount wires     3       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     32       Diameter of single wires     0,1 mm       Conductor rossection (wire)     0,25 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strande coper wire, bare       Conductor type (wire)     tot NV DE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4 <td< td=""><td>Amount stranding</td><td>1</td></td<>	Amount stranding	1
Traversing distance (C-track)   10 m @ 25 °C   horizontal     Cable weigth   26,4 g/m     Material jacket   PUR     Shore hardness jacket   90 ± 5 Shore A     Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer-diameter (jacket)   4,1 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Arount wires   3     Outer diameter insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   10.4 ± 5 %     Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0.25 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Nominal voltage AC max.   300 V     Current load capacity min. wire   4,5 A     Electrical resistance line constant wire   79 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - wire)   2,5 kV @ 60 s     Power	Stranding	3 wires twisted
Cable weigth26,4 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outre diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation70 ± 5 Shore DIngredient freeness wire insulation70 ± 5 Shore DIngredient freeness wire insulation32Diameter of single wires0,1 mmConductor orsssection (wire)0,25 mm²Conductor vireStranded copper wire, bareConductor vireStranded copper wire, bareConductor vireStranded copper wire, bareConductor vire50 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Q/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)4,0 °C	wire arrangement	brown, black, blue
Material jacket   PUR     Shore hardness jacket   90 ± 5 Shore A     Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer-diameter (jacket)   4.1 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   3     Outer diameter tolerance core insulation   1.25 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   32     Diameter of single wires   0,1 mm     Conductor type (wire)   0,25 mm²     Material conductor wire   Strande copper wire, bare     Conductor type (wire)   strand class 6     Nominal voltage AC max.   300 V     Current load capacity min. wire   4,5 A     Electrical resistance line constant wire   79 0/km @ 20 °C     AC withstand voltage (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - iackti)   -40 °C	Traversing distance (C-track)	10 m @ 25 °C   horizontal
Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4,1 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Arnount wires     3       Outer diameter insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     32       Diameter of single wires     0,1 mm       Conductor crosssection (wire)     0,25 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. wire     4,5 A       Electrical resistance line constant wire     79 Ω/km @ 20 °C	Cable weigth	26,4 g/m
Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer-diameter (jacket)   4,1 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   3     Outer diameter insulation   1,25 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   32     Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0,25 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   4,5 A     Electrical resistance line constant wire   79 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - inc)   2,5 kV @ 60 s     Min. operating temperature (static)   -40 °C	Material jacket	PUR
Outer-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity wink wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)-40 °C	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulation125 mmQuer diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °C	• • •	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
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Amount wires3Amount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °C	Tolerance outer diameter (sheath)	
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Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   32     Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0,25 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   4,5 A     Electrical resistance line constant wire   79 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   -40 °C		
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Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   4,5 A     Electrical resistance line constant wire   79 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   2,5 kV @ 60 s     Min. operating temperature (static)   -40 °C	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Current load capacity min. wire   4,5 A     Electrical resistance line constant wire   79 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   2,5 kV @ 60 s     Min. operating temperature (static)   -40 °C	5	
Electrical resistance line constant wire   79 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   2,5 kV @ 60 s     Min. operating temperature (static)   -40 °C		
AC withstand voltage (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   2,5 kV @ 60 s     Min. operating temperature (static)   -40 °C		
Power frequency withstand voltage (wire - 2,5 kV @ 60 s     jacket)   -40 °C		
jacket) 2,5 kV @ 60 s   Min. operating temperature (static) -40 °C	<b>3</b> ( )	
	jacket)	
max. operating temperature (incet) of 0, 30 G without in Operation		
Operating temperature min. (dynamic) -25 °C		



Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Flame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-09

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