

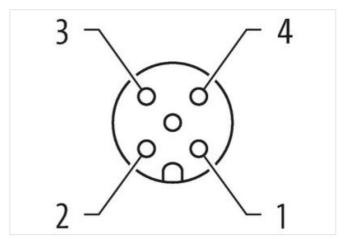
## M12 male 0° / M12 female 90° A-cod.

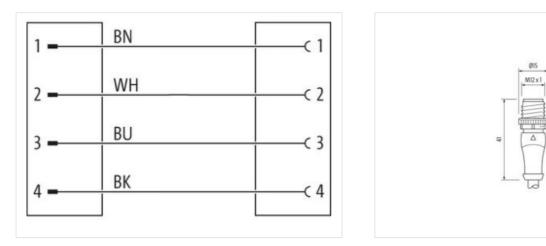
PUR 4x0.34 bk UL/CSA+drag ch. 18m

Male straight – female 90° M12 – M12, 4-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) 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. Further cable lengths on request.

## Link to Product

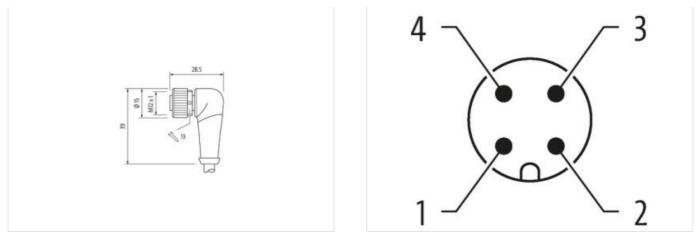






The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-23





Product may differ from Image



Cable length	18 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4065909056561
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	250 V
Operating voltage DC max.	250 V
Operating voltage AC (UL-listed)	30 V

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Current operating per contact max.     4.A       Installation (Connection     Milex 1       Device protection (Electrical     Milex 1       Device protection (Electrical     Served Alectrical (Served Alectrica	Operating voltage DC (UL-listed)	30 V
Muning serviceM12 x 1Device protection   ElectricsAdditional confidion protection degreeisPolution Dogree3Material group (EE doBd-1)1Cataling of fillingindicate and	Current operating per contact max.	4 A
Muning serviceM12 x 1Device protection   ElectricsAdditional confidion protection degreeisPolution Dogree3Material group (EE doBd-1)1Cataling of fillingindicate and	Installation   Connection	
Device protection   Electrical     Mastinal condition protection degrae       Addition Capera     3       Material group (EC 60684-1)     1       Collard polefing     Neckeld       Material scrae wometion     Zine die casting       Material scrae wometion     Total die casting       Material scrae wometion     Sine die casting       Material scrae wometion     Sine die casting       Operating temperature min.     65 °G       Operating temperature min.     Sine die casting on action quality       Intervation temperature min.     Sine die consector by suitable measures from mechanical load, e.g. by the usage of cable site.       Nation on action intervation temperature min.     Alterutor: Observe the pormissible bending tradit when laying cables, as the if protection castes can be advanced by accessive bending tradit when laying cables, as the if protection castes can be advanced by accessive bending tradit when laying cables, as the if protection castes can be advanced by accessive bending tradit when laying cables, as the if protection castes can be advanced by accessive bending tradit when laying cables, as the if protection castes can be advanced by accestand bactes, as the if protection castes can be ad	•	M10 v 1
Additional condition protection degree     inserted, sorewed       Polition Opegree     3       Multianal groups (IES 0664-1)     I       Material data     Muterial data       Gating for Mino     Nickoled       Conting for Mino     Nickoled       Cashing of Mino     Zine die-casting       Material sciew connection     Zine die-casting       Operating temperature min.     -25 r 0       Operating temperature min.     -25 r 0       Operating temperature max.     85 c C       Additional condition networture range     depending on cable quality       Motor Instainterief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable isee.       Nate on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable isee.       Material acide     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable isee.       Diston strain relief     Protect the conne	ç	
Pollution Degree     3       Material group (IEC 80684.1)     1       Mechanical data (Mechanic data)     Costing of fitting       Material group (IEC 80684.1)     Nickell       Costing of fitting     Nickell data       Costing of fitting     Nickell data       Costing of fitting     Zin die casting       Material screw connection     Zin die casting       Operating temperature min.     45 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important Installation notes     Note on train field       Note on train field     Protect the connectors by suitable measures from mechanical leads, e.g. by the usage of cable tes.       Contomity     Important Installation     Note on train field       Protect standard     DIv EN 1076 2-101 (M12)       Installation [Cable     Important Installation       Weie aranagement     brown, black, blue, white <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td>	· · · · · · · · · · · · · · · · · · ·	
Material group (IEC 80684-1)     I       Mechanical datal (Material data     Inckal platkad       Coaling locking     Nickeled       Coaling on filming     Inckal platkad       Coaling material     Zinc die-casting       Mechanical data   Mounting data     Incerdie casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.       Operating temperature max.     85 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important Installation notes     Note on strain relief       Note on strain relief     Portect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.       Ordermity     Torvent, black, blue, while       Podact latarda     DIN EN 0707-8-101 (M12)       Installation   Cable     Evaluation (Cable)       Colle forefication     634       Colei derification     1       Cable forefication     1       Cable forefication     634       Cable forefication     1       Cable forefication <td>Additional condition protection degree</td> <td>inserted, screwed</td>	Additional condition protection degree	inserted, screwed
Mechanical data   Material data       Coating of Nitring     Nickeled       Coating of Nitring     Nickeled       Coating of Nitring     Zino de-casting       Material screw connection     Zino de-casting       Material screw connection     Zino de-casting       Mouring mithed     Inserted, screwod, Shaking protection       Environmental characteriatics   Gimatic     Environmental characteriatics   Gimatic       Operating temperature max.     25 °C       Note on bening radius     Attention: Costerve the pomissible bending tradiu when laying cables, as the IP protection class can be entrangered by excessive bending forces.       Cotics     Cotics     Cotics       View arrangement     Costerve the connection by suitable massures from mechanical loads, e.g. by the usage of cable size.       Cotics in radiu     Attention: Costerve the pomissible bending tradiu when laying cables. <td>Pollution Degree</td> <td>3</td>	Pollution Degree	3
Caling Locking     Nickel Palled       Cacking and filting     Incide Casting       Material screw connection     Zinc die casting       Mechanical dial Mounting data     Inceres casting       Mechanical dial Mounting data     Inceres casting       Developing temperature min.     28 °C       Operating temperature max.     89 °C       Additional condition temperature rank     89 °C       Note on train relied     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable loss.       Note on banding radius     Diversition : Conserve the permissible bending radii when laying cables, as the IP protection class can be indangered by excessive bonding forces.       Conformity     Interfloin : Colserve the permissible bending radii when laying cables, as the IP protection class can be indangered by excessive bonding forces.       Cable of confliction     B4 So °C       Cable of confliction     Diversition : Class and permiters in the laying cables, as the IP protection class can be indangered by excessive bonding forces.       Cable of confliction     Diversition : Class and permeters in the laying cables, as the IP	Material group (IEC 60664-1)	I
Cating of fitting     nickel plated       Lacking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.     -25 °C       Operating temperature max.     85 °C     Additional condition temperature may.     45 °C       Mounting temperature max.     85 °C     Additional condition temperature may.     46 Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bonding radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by accessive bending tortes.       Conformity     Inselfaction:     Gasting       Vere arrangement     brown, black, blue, white     Cable Type       Cable Type     3     Jacket Color     black       Type of Cartificatio     Q3 ym     Meareria presenture     Meareria presenture       Mount stranding     1     Stranding     Stranding     Stranding       Mareria Veria ins	Mechanical data   Material data	
Locking material     Zine die-casting       Material screw connection     Zine die-casting       Mechanical data   Mounting data     Mechanical data   Mounting data       Munting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Environmental characteristics   Climatic       Operating inserpenture min.     -25 °C       Operating inserpenture max.     B5 °C       Additional condition temperature range     depending on gone date quality       Important installation notes     Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fees.       Nate on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.     Colority       Product stand     DIN EN 61078-2-101 (M12)     Installation   Cable       initial class     Dirack Clavin     Dirack Clavin       Jackal Clavin     Jackal Clavin     Jackal Clavin       Yape of Certificate     GJRus     Jackal Clavin       Yape of Certificate     GJRus     Jackal Clavin       Yape of Certificate     GJRus     Jackal Clavin       Yape of Certificate     <	Coating locking	Nickeled
Material screw connection     Zine die casting       Mechanical data   Mounting data       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature ranze     depending on cable quality       Important Installation notes     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.       Operating temperature max.     Diverse Strain Climatic Strain the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Product standard     Diverse Strain Climatic       Diverse Strain Climatic     Ga3       Cable infination     G34     Cable Strain Climatic       Cable infination     G34     Cable Strain Climatic     Strainfing       Strainfing     4 wires twisted     Wire strainfing     Strainfing     Strainfing       Strainfing     9 of Strain A     Strainfing     Strainfing     Strainfing     Strainfing	Coating of fitting	nickel plated
Methanical data   Mounting data       Mechanical data   Mounting data       Mechanical data   Mounting data       Inserted, screwed, Shaking protection       Environmental characteristics   Climatic       Operating temperature max.     85 °C       Additional condition temperature may.     85 °C       Additional condition temperature may.     85 °C       Additional condition temperature may.     85 °C       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Attention: Observe the permissible bending radii when laying cables, as the IP protection dass can be ending radii when laying cables, as the IP protection dass can be ending radii when laying cables, as the IP protection dass can be ending radii when laying cables, as the IP protection dass can be ending radii when laying cables, as the IP protection dass can be ending radii when laying cables, as the IP protection dass can be ending radii when laying cables, as the IP protection dass can be ending radii when laying cables, as the IP protection dass can be ending radii when laying cables, as the IP protection dass can be ending radii when laying cables, as the IP protection dass can be ending radii when laying cables, as the IP protection dass can be ending radii when laying cables, as the IP protection dass can be ending radii when laying cables, bile, white       Cable dendification     Drown, black, blue, white       Cable dendification     Ga 4       Cable dendification	Locking material	Zinc die-casting
Mounting method     inserted, screwed, Shaking protection       Environmental characteristics [ Climatic     25 °C       Operating temperature min.     25 °C       Additional condition temperature range     depending on cable quality       Important insiallation noise     Protect the connectors by suitable merchanical loads, e.g. by the usage of cable ties.       Note on strain relief     Protect the connectors by suitable merchanical loads, e.g. by the usage of cable ties.       Conternity     Protect the connectors by suitable merchanical loads, e.g. by the usage of cable ties.       Conternity     Protect the connectors by suitable merchanical loads, e.g. by the usage of cable ties.       Conternity     Protect the connectors by suitable merchanical loads, e.g. by the usage of cable ties.       Conternity     Protect the connectors by suitable merchanical loads, e.g. by the usage of cable ties.       Contentity     Protect the connectors by suitable merchanical loads, e.g. by the usage of cable ties.       Contentity     Protect the connectors by suitable merchanical loads, e.g. by the usage of cable ties.       Contentity     Protect the connectors by suitable merchanical loads, e.g. by the usage of cable ties.       Contentity     Protect the connectors by suitable merchanical loads, e.g. by the usage of cable ties.       Contenting at a suitand ties.     Diven, black, blue, white	Material screw connection	Zinc die-casting
Environmental characteristics   Climatic     25 °C       Operating temperature min.     25 °C       Additional condition temperature max.     85 °C       Additional condition temperature max.     85 °C       Additional condition temperature max.     85 °C       Additional condition temperature max.     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Consenty     View arrangement     bit NE N 61076-2-101 (M12)       Installation / Cable     UIN EN 61076-2-101 (M12)       Cable identification     634       Cable identification     634       Cable Type     3       Addect Color     black       Type of Certificatie     cUIPus       Armount stranding     1       Stranding     4 wires twisted       Wrier arrangement     brown, black, blue, white       Cable weigh     36.3 g/m       Material aktest (gackt)	Mechanical data   Mounting data	
Environmental characteristics   Climatic     25 °C       Operating temperature min.     25 °C       Additional condition temperature max.     85 °C       Additional condition temperature max.     85 °C       Additional condition temperature max.     85 °C       Additional condition temperature max.     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Consenty     View arrangement     bit NE N 61076-2-101 (M12)       Installation / Cable     UIN EN 61076-2-101 (M12)       Cable identification     634       Cable identification     634       Cable Type     3       Addect Color     black       Type of Certificatie     cUIPus       Armount stranding     1       Stranding     4 wires twisted       Wrier arrangement     brown, black, blue, white       Cable weigh     36.3 g/m       Material aktest (gackt)	Mounting method	inserted screwed Shaking protection
Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature maye     depending on cable quality       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.       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.       Conormity     Product standard     DIN EN 61076-2-101 (M12)       Installation [Cable     using argagement     brown, black, blue, white       Cable identification     634     Cable Identification       Gable Type     3     addict Color     black       Type of Certificate     cURus     Amount standing     1       Stranding     4 wires twisted     wire argagement     brown, black, blue, white       Cable weight     96.3 g/m     Gable weight     96.3 g/m       Material jacket     PUR     Store A     Store A/Free, cadmium-free, CFC-free, halogen-free, silcone-free       Cuber diameter (jacket)     1.25 %m     Stor		
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 ties.       Note on briding radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangened by excessive bending forces.       Conformity     Product standard       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     wrown, black, blue, white       Cable identification     634       Cable role     Call       Jacket Color     black       Type of Certificate     CURus       Annount stranding     1       Stranding     4 wires twisted       wrie arrangement     brown, black, blue, white       Cable weight     36.3 g/m       Material jacket     PUR       Stranding     4       Outer diameter (jacket)     92.5 Shore A       Freedom from ingredients (jacket)     125 %       Outer diameter (jacket)     45 %m       Tolerance outer diameter (jacket)     125 %m       Outer diameter (jacket		
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 ties.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Attention: Observe the permisable bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity       Product standard     DIN EN 61076-2-101 (M12)       Installation [ Cable     Uries arrangement     brown, black, blue, white       Cable identification     634     Cable       Cable Color     black     Type     3       Anount stranding     1     Stranding     4 wires twisted       Wriee arrangement     brown, black, blue, white     Cable     Cable       Cable diveribution     63.3 g/m     Cable     Cable     Cable       Write arrangement     brown, black, blue, white     Cable     Cable     Cable     Stranding     4 wires twisted       Store hardness jackt     PUR     Store A     Freedom from ingredients (jacket)     Ead-Free, cadmium-free, CFC-free, halogen-free, silicone-free     Cable and anon	· · ·	
Important installation notes       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endered by accessible bending forces.       Conformity     DIN EN 61076-2-101 (M12)       Installation   Cable     brown, black, blue, white       Cable identification     634       Cable identification     634       Cable Type     3       Jacket Color     black       Type of Certificate     cURus       Amount stranding     1       Stranding     4 wires twisted       wire arrangement     brown, black, blue, white       Cable weigth     36.3 g/m       Material jacket     PUR       Stranding     4 wires twisted       wire arrangement     borown, black, blue, white       Cable weigth     36.3 g/m       Material jacket     PUR       Stranding     9 ± 5 Shore A       Freedorn from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (eheath)     ± 5 % <		
Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     UNEN 61076-2-101 (M12)       Installation   Cable     Standard     Din EN 61076-2-101 (M12)       Cable right     Standard     Din EN 61076-2-101 (M12)       Installation   Cable     UNEN 61076-2-101 (M12)       Cable right     Standard     Din EN 61076-2-101 (M12)       Standing     Din EN 61076-2-101 (M12)     Din EN 61076-2-101 (M12)       Standing     View Excessive bending forces.     Standard       Standing     OUF     Standard     OUF       Standing     View Excessive bending forces.     Standard       Standing     Standard     Standard <thstandard< th="">       Stand</thstandard<>	Additional condition temperature range	depending on cable quality
Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Contornity     Product standard     DIN EN 61076-2-101 (M12)       Installation [Cable     University     Standard     Din EN 61076-2-101 (M12)       wire arrangement     brown, black, blue, white     Standard     Standard       Cable identification     634     Standard     Standard       Zake Color     black     Stype of Carlificate     CJRUS       Anount stranding     1     Stranding     4 wires twisted       Material jacket     PUR     Store A     Store A       Store form ingredients (jacket)     9.3.5.9.0re A     Store A       Freedom from ingredients (jacket)     9.4.5.7.0re A     Store A       Freedom from ingredients (jacket)     1.25.5.0re A     Store A       Tolerance outer diameter (jacket)     1.25.5.0re A     Store A       Attention     PP     Attention     PP       Attention     1.25.5.0re D     Store A     Store A       Freedom from ingredient insulation     7.9.5.5.0re D     Store A     Store A       Outer diameter	Important installation notes	
Note of balance in graduations     endangered by excessive bending forces.       Contentity       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     iver arrangement       vier arrangement     brown, black, blue, white       Cable identification     634       Cable Identification     634       Cable Identification     black       Color     black       Type of Certificate     URus       Amount stranding     1       Stranding     4 wires twisted       wire arrangement     brown, black, blue, white       Cable weigh     63.3 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)     4.5 mm       Tolerance outer diameter (sheath)     ± 5 %       Material juck insulation     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 shore D       Ingredient freeness wire insulation     1.25 Shore D       Ingredient fr	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standard     DIN EN 61076-2-101 (M12)       Installation J Cable     brown, black, blue, white       Cable identification     634       Cable identification     634       Cable Identification     634       Cable Identification     black       Cable Identification     634       Cable Identification     634       Cable Identification     black       Cable Identification     black       Cable Identification     014       Advect Color     black       Vape of Certificate     UIRus       Amount stranding     1       Stranding     4 wires twisted       wire arrangement     brown, black, blue, white       Cable weigth     36,3 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)     ± 5 %       Tolerance outer diameter (sheath)     ± 5 %       Outer diameter insulation     1,25 mm       Outer diameter tolerance cor insulation     ± 5 %	Note on bending radius	
Installation   Cable       wire arrangement     brown, black, blue, white       Cable identification     634       Cable Type     3       Jacket Color     black       Type of Certificate     cURus       Amount stranding     1       Stranding     4 wires twisted       wire arrangement     brown, black, blue, white       Cable weigth     36,3 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)     4,5 mm       Tolerance outer diameter (sheath)     ± 5 %       Matorial wire insulation     PP       Amount wires     4       Outer diameter (insulation     1,25 mm       Outer diameter insulation     ± 5 %       Shore hardness wire insulation     1,25 mm       Outer diameter insulation     1,25 mm       Outer diameter insulation     1,25 mm       Outer diameter insulation     1,25 mm       Diameter of single wires     0,1 nm       Dia	Conformity	
wire arrangementbrown, black, blue, whiteCable identification634Cable Type3Jacket ColorblackType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteCable weigth36,3 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)± 5 %Material wire insulationPPAmount wires4Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient free, salution70 ± 5 Shore DIngredient freess wire insulationka free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount wires4Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationka free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42Diameter of single wires0,1 mmConductor wire0,34 mm²Material conductor wireStranded copper wire, bare	Product standard	DIN EN 61076-2-101 (M12)
Cable identification634Cable Type3Jacket ColorblackType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteCable weigth36,3 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)± 5 %Material wire insulationPPAmount wires4Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation1,25 mmOuter diameter tolerance sore insulation1,05 Shore DIngredient freeness wire insulation10 ± 5 Shore DIngredient freeness wire insulation42Diameter of single wires0,1 mmConductor wires0,1 mmConductor wire0,34 mm²Material conductor wireStranded copper wire, bare	Installation   Cable	
Cable Type3Jacket ColorblackType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteCable weigth36,3 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)± 5 %Material wire insulationPPAmount wires4Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation1.25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation1.25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation0.1 ± 5 %Shore hardness wire insulation0.24 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation0.4 ± 2Diameter of single wires0,1 mmConductor wire0,34 mm²Material conductor wireStranded copper wire, bare	wire arrangement	brown, black, blue, white
Jacker ColorblackType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteCable weigth36,3 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)± 5 %Material wire insulationPPAmount strands4Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulation70 ± 5 Shore DIngredient freeness wire insulation125 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulation126 Shore DIngredient freeness wire insulation42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bare	Cable identification	634
Interview     Interview       Type of Certificate     CURus       Amount stranding     1       Stranding     4 wires twisted       wire arrangement     brown, black, blue, white       Cable weigth     36,3 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)     4,5 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     4       Outer diameter tolerance core insulation     1,25 mm       Outer diameter insulation     1,25 mm       Ingredient freeness wire insulation     1,25 mm       Outer diameter insulation     1,25 mm       Outer diameter insulation     4 %       Diameter of lengens wire insulation     4 %       Diameter of s	Cable Type	3
Amount stranding1Atmount stranding4 wires twistedWire arrangementbrown, black, blue, whiteCable weigth36,3 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation4Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation1,24 mmIngredient freeness wire insulation1,25 mmIngredient freeness wire insulation1,25 mmOuter diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bare	Jacket Color	black
Stranding4 wires twistedwire arrangementbrown, black, blue, whiteCable weigth36,3 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer 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)42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bare	Type of Certificate	cURus
wire arrangementbrown, black, blue, whiteCable weigth36,3 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42Diameter of single wires0,1 mmConductor cosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bare	Amount stranding	1
Cable weigth36,3 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter tolerance core 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)42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bare	Stranding	4 wires twisted
Material jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter tolerance core 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)42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bare	wire arrangement	brown, black, blue, white
Shore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer 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)42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bare	Cable weigth	36,3 g/m
Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer 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)42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bare	Material jacket	PUR
Outer-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer 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)42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bare	Shore hardness jacket	90 ± 5 Shore A
Outer durited (durited (durited))± 5 %Tolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer 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)42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bare	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulationPPAmount wires4Outer 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)42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bare	Outer-diameter (jacket)	4,5 mm
Amount wires4Outer 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)42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bare	Tolerance outer diameter (sheath)	±5%
Outer 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)42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bare	Material wire insulation	PP
Outer 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)42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bare	Amount wires	4
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)   42     Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0,34 mm²     Material conductor wire   Stranded copper wire, bare	Outer diameter insulation	1,25 mm
Ingredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bare	Outer diameter tolerance core insulation	±5%
Amount strands (wire)42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bare	Shore hardness wire insulation	70 ± 5 Shore D
Diameter of single wires 0,1 mm   Conductor crosssection (wire) 0,34 mm²   Material conductor wire Stranded copper wire, bare	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire) 0,34 mm²   Material conductor wire Stranded copper wire, bare	Amount strands (wire)	42
Material conductor wire Stranded copper wire, bare	Diameter of single wires	0,1 mm
	Conductor crosssection (wire)	0,34 mm²
Conductor type (wire) strand class 6	Material conductor wire	Stranded copper wire, bare
	Conductor type (wire)	strand class 6

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



Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,8 A
Electrical resistance line constant wire	57 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
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1090   IEC 60332-2-2   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
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	10 m @ 25 °C   horizontal
Travel speed (C-track)	3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min

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