

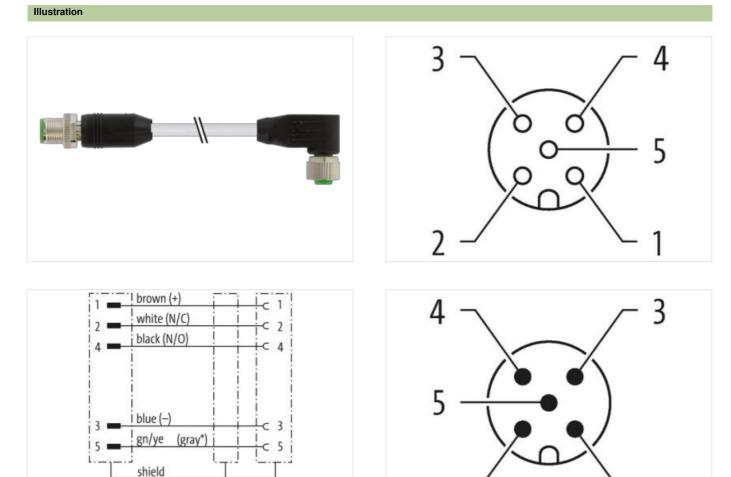
2

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

PUR 5x0.34 shielded gy UL/CSA+drag ch. 4.5m

Male straight – female 90° M12 – M12, 5-pole shielded 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

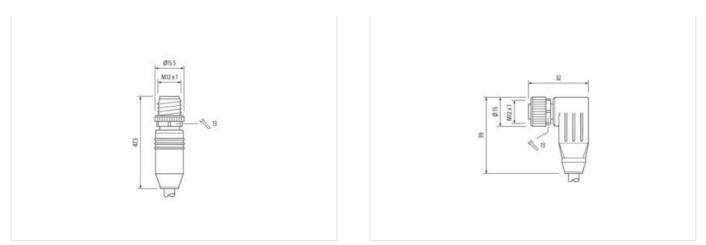


The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-20

(\* for cable type 203, 603, 243, 643)

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Product may differ from Image



Cable length	4,5 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
Material	PUR
Width across flats	SW13
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	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	4065909055847
Packaging unit	1
Electrical data   Supply	

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Polition Degree     3       Rated surpe voltage     1,5 kV       Mainari group (160 60664 - 1)     1       Mechanical data     without       Mechanical data     without       Mechanical data     without       Mechanical data     Mickelad       Contary for corrugated hose     without       Mechanical data     Mickelad       Contary of fitting     noisel plated       Material gasket     FXM       Locking material     Zinc die-casting       Mechanical data     Monting data       Monting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Climatic       Operating temperature max.     25 °C       Operating temperature max.     25 °C       Operating temperature max.     25 °C       Operating regular tervine range     depending on cable quality       Important Installation notes     Note on strain reliaf       Note on strain reliaf     Protectine connectors by suitable measures from mechanical loads, e.g. by the usage of cable teles.       Nate on strain reliaf     Attention: Channe the perminsible bending racii when laying cables, e.g. by the usage	Operating voltage AC max.	60 V
Operating voltage AC (UL-letted)     30 V       Operating voltage AC (UL-letted)     30 V       Conterno proving voltage AC (UL-letted)     30 V       Intallation (Connection     V       Intallation (Connection)     M12 x 1       Device procession (Electrical)     Additional condition protection device       Additional condition protection (Electrical)     Second (Electrical)       Additional condition protection device     instruct second (Electrical)       Additional Condition protection (Electrical)     Instruct second (Electrical)       Additional Condition protection (Electrical)     Instruct second (Electrical)       Machanical Addition     Instruct second (Electrical)       Contary for corrugated hose     without       Mechanical Addition (Mounting Addition (Electrical)     Instruct second (Electrical)       Contary of Infing     individ plated       Material gaset     FRM       Contary of Infing     individ plated       Material gaset     FRM       Locading of Infing     individ plated       Material gaset     FRM       Deparating intromoting termosenture minits     25° C       Operating instruct merint.     25° C <	Operating voltage DC max.	60 V
Operating voltage DC (UL steller)     90 V       Current operating per contact max.     4 A       Installation (Demotecion     Installation (Demotecion)       Device protection (Electrical)     Additional confidence       Additional confidence     3       Paladison (Demotection)     1       Mechanical data     Instruct, serveed       Polution (Demotection)     1       Mechanical data     Instruct, serveed       Control for corrupate hose     without       Mechanical data     Instruct, serveed       Control for corrupate hose     without       Mechanical data     Mechanical data       Control for corrupate hose     without       Mechanical data     Mechanical data       Control for corrupate hose     without       Mechanical data     Mechanical data       Control for corrupate corrupate hose     without       Mechanical data     Yes (Beaching)       Dysecting temperature analy     Reference       Mechanical data Mounting data     inserted, screwed, Shaking protection       Environmental characteristics (Climatic     Climatee       Operating temperature mayo		
Current operating per contact max.     4 A       Installation   Connection       Munding ed     M12 x 1       Device protection   Electrical     Additional condition protection degree       Additional condition protection degree     3       Pailed support     3       Raide support     1       Mechanical data     Material group (IEC 80664-1)       Contaur for corrugated hose     without       Mechanical data     Material group (IEC 80664-1)       Contaur for corrugated hose     without       Mechanical data     Material group       Contaur for corrugated hose     without       Mechanical data     Material group       Contaur for corrugated hose     without       Mechanical data     Material group       Material group     nickelod       Contaur of thing     Nickelod       Material group     Incertaing seming       Material group     Zine dio casting       Multifistic Telematter     Zine dio casting       Mechanical data   Mounting data     Exerconne       Departing temperature max.     45 °C       Operating remenature max.		
Institution Connection       Mounting set     M12 x 1       Device protection [Electrical     Section 2001/0000000000000000000000000000000000		
Munding sedM12 x 1Device protection   ElectricsAdditional corolaction potection degreeis reservedAdditional corolaction potection degreeis servedAdditional corolaction potection degreeis SVRared surge voltage1Internal group (ECG 806-11)IInternal group (ECG 806-12)VibulConton to corongated hosewibulBechanical dataVibulBechanical dataNickeledConting locality (Statistical Conting Contin	1 01	
Device protection   Electrical       Addition condition protection degree     isserted, screwed       Pallada surge voltage     1.5 kV       Material group (IEC 60661-1)     I       Mechanical data     unit voltage       Colum for compated hose     without       Material group (IEC 60661-1)     I       Colum for compated hose     without       Colum for compated hose     microal data       Material screw connection     Zinc die-casting       Material screw connection     Iserde, screwed, Shaking protection       Material screw connection     iserde, screwed, Shaking protection       Material screw connection     iserde, screwed, Shaking protection       Concating temperature min.     45 °C       Oparating temperature min.     45 °C       Oparating temperature min.     45 °C       Oparating temperature min.     45	•	
Additional condition protoction degreeisaartad, sorowadPallution Degree3Pallution Degree3Redis surge voltic Co 60664-1)1Methanial group (IEC 60664-1)it determination of the second of the seco	Mounting set	M12 x 1
Polition Degree     3       Rated surpe voltage     1,5 kV       Mainari group (160 6066-1)     1       Mechanical data     without       Mechanical data     without       Mechanical data     without       Mechanical data     Mickeled       Coating locking     Nickeled       Coating of fitting     nokel plated       Mereial gasket     FKM       Lacking malerial     Zine die-casting       Material gasket     FKM       Lacking malerial     Zine die-casting       Methal gasew     Sine die-casting       Mechanical data   Mounting data     Mice-casting       Mouting method     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Climatic       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important Installation notes     Material action scient in reliaf       Note on strain reliaf     Portect the connectorn by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Nate on strain reliaf     S1 °C       Cable indening (reliaf)	Device protection   Electrical	
Pated surge voltage     1,5 kV       Material group (EC 6064-1)     1       Mechanical data     Contur for corrugated hose     without       Mechanical data   Material data     Contur for corrugated hose     without       Mechanical data   Material data     Nickeled     Contur for corrugated hose       Material gasket     FKM     Excession       Locking material     Zinc die-casting     Material gasket       Metrial screw connection     Zinc die-casting       Metrial screw connection     Zinc die-casting       Metrial screw connection     Sinc die-casting       Metrial screw connection     Zinc die-casting       Metrial screw connection     Sinc die-casting       Metrial screw connection temperature main.     -25 °C       Operating temperature main.     -25 °C       Operating	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1)     i       Mechanical data     vinbut       Contour for corrupated hose     witbout       Mechanical data [Material data]     Mechanical data [Material data]       Coating of titing     nickel plated       Material gasket     FKM       Locking material     Zinc die-casting       Material gasket     FKM       Muterial gasket     FKM       Muterial gasket     FKM       Mounting method     Inserted. screwed. Shaking protection       Environmental characteristics [Climatic     Coating of the persitive max.       Øberding temperature min.     25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important Installation notes     S* °C       Note on strain rolled     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lise.       Installation (Cable     Catel of bernding radiu when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Installation (Cable     Cable foreinflict       Cable foreinfliction <t< td=""><td>Pollution Degree</td><td>3</td></t<>	Pollution Degree	3
Mechanical data     Without       Contour for corrugated hose     Without       Mechanical data [ Material data     Nickled       Coating locking     nickle plated       Coating locking agaket     FKM       Coating locking material agaket     FKM       Coating locking material agaket     Zinc die-caating       Material agaket     Inc die-caating       Material screw connection     Zinc die-caating       Methanical data [ Mounting data     Inc die-caating       Methanical data [ Mounting data     Inc die-caating       Mounting mathod     Inserde. screwed. Shaking protection       Portenting temperature min.     -25 °C       Operating temperature max.     85 °C       Additional contification tomegrature range     depending on cable quality       Motor ending radius     Attention: Observe the parmissible bonding radii when laying cables, as the IP protection class can be ending radius       Note on ending radius     Attention: Observe the parmissible bonding radii when laying cables, as the IP protection class can be ending radii when laying cables, as the IP protection class can be ending radii when laying cables, as the IP protection class can be ending radii when laying cables, as the IP protection class can be ending radii when laying cables, as duals radii ending radii when laying cables, as the IP	Rated surge voltage	1,5 kV
Colour for corrugated hose     witout       Declaining clocking     Nickeled       Coating of fitting     nickel plated       Material gasket     FKM       Locking material     Zinc die-casting       Material gasket     Ince die-casting       Material gasket     Ince die-casting       Material gasket     Ince die-casting       Material gasket     Ince die-casting       Material gasket     Singer die	Material group (IEC 60664-1)	I
Mechanical data     Material data       Coating locking     Nickeled       Coating of fitting     nickel plated       Material gastek     FKM       Locking material     Zinc die-casting       Material storew connection     Zinc die-casting       Material storew connection     Inserted, screwed, Shaking protection       Environmental characteristics [Climatic     Inserted, screwed, Shaking protection       Environmental characteristics [Climatic, screwed, Shaking protection     Inser	Mechanical data	
Coating lockingNickeledCoating of Ittingnickel platedMaterial gasketFKMLocking materialZinc die-castingMaterial sorew connectionZinc die-castingMourting attalissereed, Shaking protectionMechacial data   Mourting dataFortionmetal characteristics   ClimatuOperating temperature max.85 °CAdditional condition temperature max.85 °CAdditional condition temperature max.85 °CAdditional condition temperature max.85 °CNote on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Note on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Installation nobesAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be generating area by excessive due generating or cable set and generating radii when laying cables, as the IP protection class can be generating or cable set and generating radii when laying cables, as the IP protection class can be generating or cable set and generating radii when laying cables, as the IP protection class can be generating or cable set and generating radii when laying cables, as the IP protection class can be generating or cable set and generating radii when laying cables, as the IP protection class can be generating or cable set and generating radii when laying cables, as the IP protection class can be generating or cable set and generating radii when laying cables, as the IP protection class can be generating or cable set and generating radii when laying cables, as the IP protection class can be generating or cable set and generating radii when laying cables,	Contour for corrugated hose	without
Coating of fitting     nickel plated       Material gasket     FKM       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating itemperature man.       Operating itemperature man.     45 °C       Operating itemperature man.     65 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Note on strain relief       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Installation   Cable     242       Cable ofprip     3       Jacket Color     gray       Type of Certificate     cURus       Anount stranding     1       Stranding     5 wires around Core filler twisted       Cable shielding (coverage)     80 %       Banding     Fleece, Foil<	Mechanical data   Material data	
Material gasket     FKM       Locking material     Zinc die-casting       Material sorew connection     Zinc die-casting       Mechanical data   Mounting data     Mounting method       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.     -25 °C       Operating temperature min.     -25 °C     Operating temperature max.     85 °C       Additional condition temperature mage     depending on cable quality     Important installation notes       Note on strain rollef     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       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.       Installation   Cable     242       Cable roler     gray       Type of Certificate     cURus       Annount straing     1       Stranding     1       Stranding     1       Stranding     5 wires around Core filler twisted       Cable shielding (type)     copper braid, timed       Cable shielding (coverage)     80 %	Coating locking	Nickeled
Material gasket     FKM       Locking material     Zinc die-casting       Material sorew connection     Zinc die-casting       Mechanical data   Mounting data     Mounting method       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.     -25 °C       Operating temperature min.     -25 °C     Operating temperature max.     85 °C       Additional condition temperature mage     depending on cable quality     Important installation notes       Note on strain rollef     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       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.       Installation   Cable     242       Cable roler     gray       Type of Certificate     cURus       Annount straing     1       Stranding     1       Stranding     1       Stranding     5 wires around Core filler twisted       Cable shielding (type)     copper braid, timed       Cable shielding (coverage)     80 %	Coating of fitting	nickel plated
Material screw connection     Zinc die-casting       Mechanical data   Mounting data       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic       Operating temperature main.     -25 °C       Operating temperature main.     85 °C       Additional condition temperature ranze     depending on cable quality       Important installation notes     Moterial temperature main.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Installation   Cable     Cable on diangered by excessive bending forces.       Installation   Cable     242       Cable identification     242       Cable Type     3       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     5 wires around Core filler twisted       Cable shielding (toye)     copper braid, tinned       Cable shielding (towerage)     80 %       Banding     Fleece, Foil       Filler     yes       wire arangement     brown, black, blue, white, green-yellow       Cabl	Material gasket	•
Mechanical data   Mounting data       Mounting method     inserted, screwed. Shaking protection       Environmental characteristics   Climatic     Composed in the protection of the protection class of the protection class can be quality       Operating temperature max.     85 °C       Additional condition temperature may     B5 °C       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.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessible bending forces.       Installation   Cable     242       Cable identification     242       Cable identification     0.Fluss       Amount stranding     1       Stranding     6 wires around Core filler twisted       Cable shielding (type)     copper braid, tinned       Cable shielding (type)     80 %       B	Locking material	Zinc die-casting
Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Important installation notes       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Installation   Cable     Z42       Cable distrification     242       Cable forpe     3       Jacket Color     gray       Type of Certificate     cURus       Anount stranding     1       Stranding     5 wires around Core filler twisted       Cable shielding (type)     coper braid, tinned       Cable shielding (coverage)     80 %       Banding     Filecee, Foil       Filer     yes       wire arrangement     brown, black, blue, white, green-yellow       Cable keight     57.2 grin       Material jacket     91 ± 5 Shore A       Freedor from in	Material screw connection	Zinc die-casting
Privanmental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature may.     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 ties.       Installation   Cable     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Installation   Cable     242       Cable identification     242       Cable Type     3       Jacket Color     gray       Type of Certificate     cJRus       Amount stranding     1       Stranding     5 wires around Core filler twisted       Cable shielding (type)     copper braid, tinned       Cable shielding (coverage)     80 %       Banding     Fleece, Foil       Filer     yes       wire arrangement     brown, black, blue, white, green-yellow       Cable shielding (type)     0.1 \$ \$ \$ \$ 2 g (m       Material jacket     PUR       S	Mechanical data   Mounting data	
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 ties.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Installation I Cable     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Installation I Cable     Cable identification       Cable identification     242       Cable Type     3       Jacket Color     gray       Type of Catflicate     cURus       Amount stranding     1       Stranding (coverage)     80 %       Banding     Filece, Foil       Filer     yes       wire arrangement     brown, black, blue, white, green-yellow       Cable wighth     57.2 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     jedo-free, cadmium-free, CFC-free, halogen-free, silicone-free	Mounting method	inserted, screwed, Shaking protection
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 strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Installation   Cable     Attention:: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Installation   Cable     242       Cable identification     242       Cable of Color     gray       Type of Certificate     CIRus       Amount stranding     1       Stranding     5 wires around Core filler twisted       Cable shielding (type)     copper braid, tinned       Cable shielding (coverage)     80 %       Banding     Filecce, Foil       File     yes       wire arrangement     brown, black, blue, white, green-yellow       Cable weigh     57.2 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     5.6 mm       Coler	Environmental characteristics   Climatic	
Additional condition temperature range     depending on cable quality       Important installation notes     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Installation   Cable     Zable identification     242       Cable identification     242       Cable Identificate     CURus     Attention: Observe fuel permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Installation   Cable     Zable identification     242       Cable Identification     242     Zable Identificate     CURus       Amount stranding     1     Stranding     5 wires around Core filler twisted       Cable shielding (type)     Soper braid, tinned     Soper braid, tinned     Zable shielding (coverage)     80 %       Banding     Fileece, Foil     File     yes     Yes       wire arrangement     Down, black, blue, white, green-yellow     Zable wile forcentifies (jacket)     PUR       Shore hardness jacket     90 ± 5 Shore A     Freedom from ingredients (jacket)     Iead-free, cadmium-free, CFC-free, halogen-free     Silcone-free       Outer-diameter (jacket)     5.6 mm     Cole free, fallow insut	Operating temperature min.	-25 °C
Important installation notes       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Installation   Cable     242       Cable Type     3       Jacket Color     gray       Type of Cartificate     cURus       Amount stranding     1       Stranding     5 wires around Core filler twisted       Cable shielding (type)     copper braid, tinned       Cable shielding (coverage)     80 %       Banding     Fleece, Foil       Filler     yes       wire arrangement     brown, black, blue, white, green-yellow       Cable weigth     57.2 g/m       Material jacket     PUR       Shore A     Freedom from ingredients (jacket)       Cuter diameter (sheath)     5 %       Material wire insulation     PP       Atterial wire insulation     PP	Operating temperature max.	85 °C
Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Installation   Cable     Zable Identification     242       Cable Type     3     3       Jacket Color     gray     7       Type of Cartificate     cURus     3       Amount stranding     1     3       Stranding     5 wires around Core filler twisted     2       Cable shielding (type)     copper braid, tinned     3       Cable weigth     90 %     3     3       Ifiler     yes     3     3       Wrier arangement     brown, black, blue, white, green-yellow     3     3       Shore hardness jacket     90 ± \$ Shore A     3     3     3       Freedon from ingredients (jacket)     16 ± 5 %     3     3     3       Dial card rise around conter diameter (sheath)     15 %     3     3	Additional condition temperature range	depending on cable quality
Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Installation   Cable     Zable Identification     242       Cable Type     3     3       Jacket Color     gray     7       Type of Cartificate     cURus     3       Amount stranding     1     3       Stranding     5 wires around Core filler twisted     2       Cable shielding (type)     copper braid, tinned     3       Cable weigth     90 %     3     3       Ifiler     yes     3     3       Wrier arangement     brown, black, blue, white, green-yellow     3     3       Shore hardness jacket     90 ± \$ Shore A     3     3     3       Freedon from ingredients (jacket)     16 ± 5 %     3     3     3       Dial card rise around conter diameter (sheath)     15 %     3     3	Important installation notes	
Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Installation   Cable       Cable identification     242       Cable Type     3       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     5 wires around Core filler twisted       Cable shielding (type)     copper braid, tinned       Cable shielding (coverage)     80 %       Banding     Fleece, Foil       Filler     yes       wire arrangement     brown, black, blue, white, green-yellow       Cable shedy in gredients (jacket)     91 ± 5 Shore A       Freedom from ingredients (jacket)     92 ± 5 Shore A       Freedom from ingredients (jacket)     5.6 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     5		Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties
Note on behalting radius     endangered by excessive bending forces.       Installation   Cable       Cable identification     242       Cable Type     3       Jacket Color     gray       Type Of Certificate     cURus       Amount stranding     1       Stranding (type)     copper braid, finned       Cable shielding (type)     copper braid, finned       Cable shielding (coverage)     80 %       Banding     Fleece, Foil       Filler     yes       wire arrangement     brown, black, blue, white, green-yellow       Cable weigth     57.2 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     6.8 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     5		
Cable identification242Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding5 wires around Core filler twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)80 %BandingFleece, FoilFilleryeswire arangementbrown, black, blue, white, green-yellowCable weigth90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)± 5 %Material wire insulationPPAmount wires5	Note on bending radius	endangered by excessive bending forces.
Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding5 wires around Core filler twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)80 %BandingFleece, FoilFilleryeswire arrangementbrown, black, blue, white, green-yellowCable weigth57,2 g/mMaterial jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)5,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires5	Installation   Cable	
Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding5 wires around Core filler twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)80 %BandingFleece, FoilFilleryeswire arrangementbrown, black, blue, white, green-yellowCable weigth57,2 g/mMaterial jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)5,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires5	Cable identification	242
Type of CertificatecURusAmount stranding1Stranding5 wires around Core filler twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)80 %BandingFleece, FoilFilleryeswire arrangementbrown, black, blue, white, green-yellowCable weigth57,2 g/mMaterial jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires5	Cable Type	3
Type of CertificatecURusAmount stranding1Stranding5 wires around Core filler twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)80 %BandingFleece, FoilFilleryeswire arrangementbrown, black, blue, white, green-yellowCable weigth57,2 g/mMaterial jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires5	Jacket Color	gray
Stranding5 wires around Core filler twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)80 %BandingFleece, FoilFilleryeswire arrangementbrown, black, blue, white, green-yellowCable weigth57,2 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires5	Type of Certificate	cURus
Cable shielding (type)copper braid, tinnedCable shielding (coverage)80 %BandingFleece, FoilFilleryeswire arrangementbrown, black, blue, white, green-yellowCable weigth57,2 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires5	Amount stranding	1
Cable shielding (coverage)80 %BandingFleece, FoilFilleryeswire arrangementbrown, black, blue, white, green-yellowCable weigth57,2 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires5	Stranding	5 wires around Core filler twisted
BandingFleece, FoilFilleryeswire arrangementbrown, black, blue, white, green-yellowCable weigth57,2 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)5,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires5	Cable shielding (type)	copper braid, tinned
Filleryeswire arrangementbrown, black, blue, white, green-yellowCable weigth57,2 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires5	Cable shielding (coverage)	80 %
wire arrangementbrown, black, blue, white, green-yellowCable weigth57,2 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires5	Banding	Fleece, Foil
Cable weigth57,2 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires5	Filler	yes
Material jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires5	wire arrangement	brown, black, blue, white, green-yellow
Shore hardness jacket 90 ± 5 Shore A   Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   Outer-diameter (jacket) 5,6 mm   Tolerance outer diameter (sheath) ± 5 %   Material wire insulation PP   Amount wires 5	Cable weigth	57,2 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   Outer-diameter (jacket) 5,6 mm   Tolerance outer diameter (sheath) ± 5 %   Material wire insulation PP   Amount wires 5	Material jacket	PUR
Outer-diameter (jacket) 5,6 mm   Tolerance outer diameter (sheath) ± 5 %   Material wire insulation PP   Amount wires 5	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 %   Material wire insulation PP   Amount wires 5	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP   Amount wires 5	Outer-diameter (jacket)	5,6 mm
Amount wires 5	Tolerance outer diameter (sheath)	±5%
	Material wire insulation	PP
Outer diameter insulation 1,25 mm	Amount wires	5
	Outer diameter insulation	1,25 mm

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: 2024-05-20

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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)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	5 m @ 25 °C   horizontal
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	57 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	2 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
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)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	5 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min

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