

## M12 male 0° / M8 female 0° A-cod. shielded

PUR 4x0.34 shielded gy UL/CSA+drag ch. 0.5m

Male straight – female straight M12 – M8, 4-pole shielded

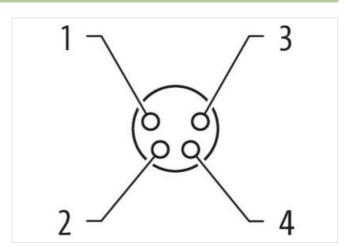
Plastic housings with good resistance against chemicals and oils.

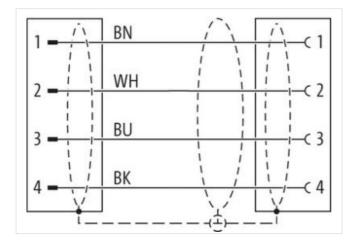
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

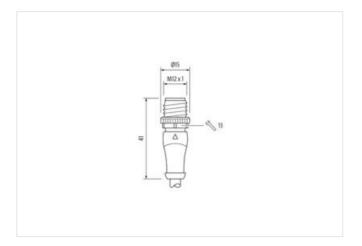
## **Link to Product**

## Illustration





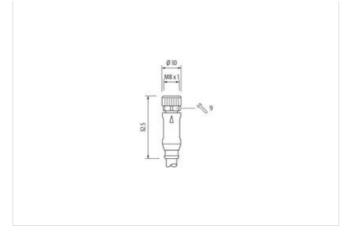


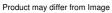




stay connected

















Cable length	0,5 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
Material	PUR
No. of poles	4
Width across flats	SW13
Side 2	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
Coding	A
Material	PUR
No. of poles	4
Width across flats	SW9
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	4048879576987



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	Packaging unit	1
Operating voltage DC max         69 V           Operating voltage AC (UL-listed)         30 V           Current ceptating per contact max         4 A           Device protection [Electrical         Begree of protection [Electrical           Degree of protection [Electrical         Begree of protection (Electrical           Degree of protection (Electrical         Inserted, screwed           Pollution Degree         3           Additional condition protection degree         1           Pollution Degree         3           Material group (EC 60864+1)         I           Mechanical data [Mounting data]         Nokeled           Locking material         Zinc de-caating           Mechanical data [Mounting data]         Inserted, screwed, Shaking protection           Environmental Characteristics   Climate         Polyment (Electrical Conditions)           Poperating temperature max         45 °C           Operating temperature max         85 °C           Additional condition temperature max         85 °C           Note on skain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Note on bending radius         Attention: Observe the permissible bending radius men laying cables, as the IP protection class can be endangered by excessive bending protes.           Conformity	Electrical data   Supply	
Operating voltage DC max         69 V           Operating voltage AC (UL-listed)         30 V           Current ceptating per contact max         4 A           Device protection [Electrical         Begree of protection [Electrical           Degree of protection [Electrical         Begree of protection (Electrical           Degree of protection (Electrical         Inserted, screwed           Pollution Degree         3           Additional condition protection degree         1           Pollution Degree         3           Material group (EC 60864+1)         I           Mechanical data [Mounting data]         Nokeled           Locking material         Zinc de-caating           Mechanical data [Mounting data]         Inserted, screwed, Shaking protection           Environmental Characteristics   Climate         Polyment (Electrical Conditions)           Poperating temperature max         45 °C           Operating temperature max         85 °C           Additional condition temperature max         85 °C           Note on skain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Note on bending radius         Attention: Observe the permissible bending radius men laying cables, as the IP protection class can be endangered by excessive bending protes.           Conformity	Operating voltage AC may	50 V
Operating voltage AC (UL-listed)         30 Y           Operating voltage OC (UL-listed)         30 Y           Coverent operating per contact max.         4 A           Device protection   Electrical         Degree of protection   Electrical           Degree of protection   Electrical         Inserted, screwed           Pollution Degree         3           Material group (EC 60684-1)         I           Mechanical data   Material data         Zinc discussing           Coasing looking         Nickeled           Locking material         Zinc discussing           Mechanical data   Mounting data         Interest, screwed, Shaking protection           Environmental characteristics   Climate         Coperating temperature max.           Operating temperature max.         85 °C           Additional condition temperature range depending on cable quality           Important installation notes         Attention.           Note on that right         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tees.           Note on bending radius         Attention.           Conformity         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tees.           Installation   Cable         Attention.           View on bending radius when laying cables, as the IP protection class ca		
Operating vallage DC (ULI silacted)         30 Y           Current operating per contact max.         4 A           Degree of protection (EN IEC 66329)         IP68, IP67, IP68, IP68           Pollution Degree         inserted, screwed           Pollution Degree         3           Pollution Degree         3           Material group (IEC 66964-1)         I           Mechanical data (Material data)         Zinc de-casting           Mechanical data (Mounting data)         Zinc de-casting           Mechanical data (Mounting data)         Zinc de-casting           Mechanical data (Mounting data)         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Operating temperature mix.           Operating temperature mix.         45 °C           Additional condition temperature max.         85 °C           Additional condition temperature max.         85 °C           Note on sharin distallation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Note on sharin distallation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Conformity         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Collegation (Cable stream)		
Current operating per contact max.         4 A           Device protection (ENEC 6059)         IP68, IP67, IP68, IP68K           Additional condition protection degree         inserted, screwed           Additional condition protection degree         inserted, screwed           Mechanical data (Material data)         Total Cooking material         Total Cooking material           Coating labeling         Mischael         Cooking material         Total Cooking material           Mounting method         Inserted, screwed, Staking protection         Total Cooking material         Total Cooking material           Mounting method         Inserted, screwed, Staking protection         Total Cooking material		
Device protection   Electrical         IP65, IP67, IP68, IP60K           Degree of protection (EN IEC 60529)         Inserted, screwed           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Material group (IEC 80664-1)         I           Coaling locking         Nickuled           Locking material         Zinc de-cesting           Mechanical data   Munting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Properating temperature min.           Operating temperature max.         25 °C           Additional condition temperature rang         depending on cable quality           Important installation notes         Additional condition temperature rang           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g., by the usage of cable tess.           Note on bending radius         Attention: Observe the permissible bending forces.           Conformity         Product standard           Note on bending radius         brown, basic, blue, white           Cable infection (Cable wire arrangement         brown, basic, blue, white           Cable indentification (Cable wire arrangement         brown, bl		
Dagree of protection (EN IEC 60529) IP65, IP67, IP68, IP66K Additional condition protection degree inserted, screwed Pollution Degree 3 Material group (IEC 60664+) I Mechanical data   Material data Casting locking   Nickeled Locking material   Zinc die casting Mechanical data   Mounting data Maunting method   Inserted, screwed, Shaking protection Environmental characteristics   Climatic Pervironmental characteristics   Climatic Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation   Cable Wire arrangement Diversible pervironmental characteristics   Climatic Pervironmental characteristi		7.0
Additional condition protection degree Pollution Degree 3 Nickeled Coating tooking Nickeled Coating tooking Nickeled Coding material Pollution Degree Nickeled Coding material Nickeled Coding material Nickeled Coding material Nickeled Nounting method Inserted, screwed, Shaking protection Environmental characteristics   Climate Environmental characteristics   Climate Coperating temperature min. Operating temperature may. Ope		
Pollution Degree   3		
Material group (IEC 60864-1)  Mechanical data Material data Coating locking Coating locking Nockaled Locking material Zinc disc-asting Mounting method inserted, screwed, Shaking protection Environmental characteristics   Climate Environmental characteristics   Climate Coperating temperature min. Coperating temperature min. Service and separature max. Additional condition temperature max. Attention: Coserve the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product slandard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable Were arrangement Drown, black, blue, white Cable in Type and the protection of		· · · · · · · · · · · · · · · · · · ·
Mechanical data   Material data         Nickeled           Locking material         Zinc dise casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         25 °C           Operating temperature max.         85 °C         Additional condition temperature range         depending on cable quality           Important installation notes         Important installation notes         Note on the permissible bending radius when laying cables, as the IP protection class can be endangered by excessive bending forces.         Attention. Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Attention. Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Installation   Cable           Installation   Cable         Important   Drown, black, blue, white           Cable identification         241           Cable identifica	-	
Coating locking Nickeled Zinc 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 range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fies. Note on bending radius Attentions: Oserone the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Froduct standard Dis Note 1076-2-101 (M12), DIN EN 51076-2-114 (M8)  Installation   Cable  Wire arrangement brown, black, blue, white Cable identification 21 Cable Type 3 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted Cable shielding (toverage) 80 % Banding Fleece, Foil wire arrangement brown, black, blue, white Cable wire arrangement brown, black, blue, white Cable wielding (coverage) 80 % Banding Fleece, Foil wires arrangement brown, black, blue, white Cable wire arrangement brown, black, blue, white Cable wire film (groverage) 80 % Banding Fleece, Foil wires arrangement brown, black, blue, white Cable wire film (groverage) 80 % Banding Fleece, Foil wires arrangement brown, black, blue, white Cable wire film (groverage) 80 % Banding Fleece, Foil wires from ingredients (jacket) 90 ± 5 Shore A Freedom from ingredients (jacket) 15 % Shore farcheas vice insulation 1,25 mm Cuter diameter (gakete) 5,3 mm Tolerance outer diameter (speath) ± 5 % Shore hardness wire insulation 7,25 Shore D	Material group (IEC 60664-1)	
Locking material Zinc die-casting  Mechanical data   Mounting data  Mounting method   Inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min.	Mechanical data   Material data	
Mechanical data   Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climation           Coperating temperature min.         25 °C           Coperating temperature may.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Note on brading radius           Note on brading radius         Attention: Observe the permissible bending radi when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity           Product standard         DIN EN 610762-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           wire arrangement         brown, black, blue, white           Cable (Institution)         241           Cable (Both Type)         3           Jacket Color         gray           Type of Cartificate         cURUs           Amount stranding         1           Standing         4 wires twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (poverage)         80 %           Banding         Fleece, Foil           wire arrangement         brown, black, blue, white           Cable weigh	Coating locking	Nickeled
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic Operating temperature min. 25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality 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.  Contormity Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation   Cable wire arrangement brown, black, blue, white Cable identification 241 Cable Type 3 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 1 Stranding 4 wires twisted Cable shielding (type) cooper braid, tinned Cable shielding (type) cooper braid, tinned Cable shielding (coverage) 80 % Bandling Fleece, Foll wire arrangement brown, black, blue, white Cable weigth 50,6 gm Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 1,3 mm Tolerance outer diameter (sheath) 2,5 mm Tolerance outer diameter (sheath) 2,5 mm Tolerance outer diameter (sheath) 1,25 mm Cuter diameter (suelation 1,25 mm Cuter diameter insulation 1,25 mm Cuter diameter insulation 1,25 mm Cuter diameter insulation 70 ± 5 Shore D	Locking material	Zinc die-casting
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic Operating temperature min. 25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality 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.  Contormity Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation   Cable wire arrangement brown, black, blue, white Cable identification 241 Cable Type 3 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 1 Stranding 4 wires twisted Cable shielding (type) cooper braid, tinned Cable shielding (type) cooper braid, tinned Cable shielding (coverage) 80 % Bandling Fleece, Foll wire arrangement brown, black, blue, white Cable weigth 50,6 gm Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 1,3 mm Tolerance outer diameter (sheath) 2,5 mm Tolerance outer diameter (sheath) 2,5 mm Tolerance outer diameter (sheath) 1,25 mm Cuter diameter (suelation 1,25 mm Cuter diameter insulation 1,25 mm Cuter diameter insulation 1,25 mm Cuter diameter insulation 70 ± 5 Shore D	Mechanical data   Mounting data	
Environmental characteristics   Climatic Operating temperature min25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes  Note on strain 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.  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation   Cable Write arrangement brown, black, blue, white Cable identification 241 Cable Type 3 3 Jacket Color gray Type of Certificate culffus Amount stranding 1 Stranding 1 Stranding 4 wires twisted Cable shielding (type) copper braid, finned Cable shielding (coverage) 80 % Banding Fleece, Foll Write arrangement brown, black, blue, white Cable religion (coverage) 80 % Banding Fleece, Foll Material jacket PUB  Therefore (specific tipe) 5,5 mm  Tolerance outer diameter (sheath) 5 % Material jacket (sheath) 5 %  Material wire insulation PP  Amount wires 4  Cuter diameter (scheath) 1,25 mm  Cuter diameter (sincate) 1,25 mm  Cuter diameter insulation 5 %  Shore hardness wire insulation 5 %  Shore hardness wire insulation 5 %  Shore hardness wire insulation 5 %		inserted, screwed. Shaking protection
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 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), DIN EN 61076-2-114 (M8) Installation   Cable  wire arrangement Dable cleritification 241 Cable tentification 241 Cable toleritification Quilles Awire stvisted Cable shielding (type) 3 Jacket Color gray Type of Certificate Awire stvisted Cable shielding (type) copper braid, tinned Cable shielding (type) Cable shielding (coverage) 80 % Bandring Fleece, Foil  wire arrangement brown, black, blue, white Cable weight 50,6 g/m Material jacket PUR Shore hardness jacket PUR Shore hardness jacket) Dead Free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 1,25 mm Outer diameter (sheath) 1,25 mm Outer diameter (sheath) 1,25 mm Outer diameter insulation 70 ± 5 Shore D		
Operating temperature max. 85 °C Additional condition temperature range depending on cable quality  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.  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue, white  Cable identification 241  Cable Type 3  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foil  wire arrangement brown, black, blue, white  Cable wight 50,6 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) 1.5 %  Material wire insulation PP  Amount wires 4  Outer diameter (sheath) ± 5 %  Material wire insulation 70 ± 5 Shore D	· ·	
Additional condition temperature range depending on cable quality  Important installation notes  Note on strain 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.  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue, white  Cable identification 241  Cable Type 3  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foil wire arrangement brown, black, blue, white  Cable weight 50,6 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 %  Material wire insulation PP  Amount wires 4  Outer diameter (selation) 1,25 mm  Shore hardness wire insulation 70 ± 5 Shore D		
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.           Conformity           Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Wire arrangement         brown, black, blue, white           Cable Installation of Cable (Institution)         241         Cable (Installation)		
Note on strain 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.  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue, white  Cable identification 241  Cable Type 3  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foil wire arrangement brown, black, blue, white  Cable wigh 50,6 g/m  Material jacket PUR  Shore hardness jacket PUR  Material wire insulation PP  Amount diameter (sheath) ± 5 %  Material wire insulation 1,25 mm  Outer diameter (sheath) 1,25 mm  Outer diameter (sleaten) 70 ± 5 Shore D	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.  Conformity  Product standard  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  wire arrangement  brown, black, blue, white  Cable identification  241  Cable Type  3  Jacket Color  gray  Type of Certificate  Amount stranding  1  Stranding  4 wires twisted  Cable shielding (type)  Cable shielding (type)  Cable shielding (verage)  80 %  Banding  Fleece, Foll  wire arrangement  brown, black, blue, white  Cable weigth  50,6 g/m  Material jacket  PUR  Shore hardness jacket  1  Stranding  PP  Amount of ingredients (jacket)  Dead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer diameter (jacket)  5,3 mm  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  PP  Amount wires  4  Outer diameter insulation  70 ± 5 Shore D	Important installation notes	
conformity Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable wire arrangement brown, black, blue, white Cable identification 241 Cable Type 3 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Fleece, Foil wire arrangement brown, black, blue, white Cable swigth 50,6 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 1± 5 % Material wire insulation PP Amount wires 4 Amount sizes of the first shore by the first shore because be a shore by the first sho	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
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Installation   Cable           wire arrangement         brown, black, blue, white           Cable identification         241           Cable Type         3           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         80 %           Banding         Fleece, Foil           wire arrangement         brown, black, blue, white           Cable weigth         50,6 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)         5,3 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D	Conformity	
wire arrangement brown, black, blue, white  Cable identification 241  Cable Type 3  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foil wire arrangement brown, black, blue, white  Cable weigth 50,8 g/m  Material jacket PUR  Shore hardness jacket PUR  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 5,3 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation 70 ± 5 Shore D	Product standard	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Cable identification         241           Cable Type         3           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         80 %           Banding         Fleece, Foil           wire arrangement         brown, black, blue, white           Cable weigth         50,6 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)         5,3 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         1,25 mm           Outer diameter insulation         70 ± 5 Shore D	Installation   Cable	
Cable Type     3       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     4 wires twisted       Cable shielding (type)     copper braid, tinned       Cable shielding (coverage)     80 %       Banding     Fleece, Foil       wire arrangement     brown, black, blue, white       Cable weigth     50,6 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)     5,3 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     4       Outer diameter insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D	wire arrangement	brown, black, blue, white
Jacket Color gray Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foil wire arrangement brown, black, blue, white  Cable weigth 50,6 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) 5,3 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 70 ± 5 Shore D	Cable identification	241
Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foil wire arrangement brown, black, blue, white  Cable weigth 50,6 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) 5,3 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 70 ± 5 Shore D	Cable Type	3
Amount stranding 1 Stranding 4 wires twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 %  Banding Fleece, Foil wire arrangement brown, black, blue, white Cable weigth 50,6 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) 5,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation 70 ± 5 Shore D	Jacket Color	gray
Stranding 4 wires twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foil wire arrangement brown, black, blue, white  Cable weigth 50,6 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) 5,3 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation 50 ± 5 %  Shore hardness wire insulation 70 ± 5 Shore D	Type of Certificate	cURus
Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foil  wire arrangement brown, black, blue, white  Cable weigth 50,6 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) 5,3 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 70 ± 5 Shore D	Amount stranding	1
Cable shielding (coverage)       80 %         Banding       Fleece, Foil         wire arrangement       brown, black, blue, white         Cable weigth       50,6 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)       5,3 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PP         Amount wires       4         Outer diameter insulation       1,25 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       70 ± 5 Shore D	Stranding	4 wires twisted
Banding Fleece, Foil  wire arrangement brown, black, blue, white  Cable weigth 50,6 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) 5,3 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 70 ± 5 Shore D	Cable shielding (type)	copper braid, tinned
wire arrangement brown, black, blue, white  Cable weigth 50,6 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) 5,3 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 70 ± 5 Shore D	Cable shielding (coverage)	80 %
Cable weigth 50,6 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) 5,3 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 70 ± 5 Shore D	Banding	Fleece, Foil
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) 5,3 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 70 ± 5 Shore D	wire arrangement	brown, black, blue, white
Shore hardness jacket  Freedom from ingredients (jacket)  Preedom from ingredients (jacket)  Duter-diameter (jacket)  Tolerance outer diameter (sheath)  ### 5 %  Material wire insulation  ### PP  Amount wires  4  Outer diameter insulation  1,25 mm  Outer diameter tolerance core insulation  ### 5 %  Shore hardness wire insulation  70 ± 5 Shore D	Cable weigth	<u>-</u>
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 5,3 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 70 ± 5 Shore D	Material jacket	
Outer-diameter (jacket) 5,3 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 70 ± 5 Shore D		
Tolerance outer diameter (sheath) $\pm 5\%$ Material wire insulation PP  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation $\pm 5\%$ Shore hardness wire insulation 70 $\pm 5$ Shore D	,	· · · · · · · · · · · · · · · · · · ·
Material wire insulation     PP       Amount wires     4       Outer diameter insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D		· · · · · · · · · · · · · · · · · · ·
Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 70 ± 5 Shore D		
Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 70 ± 5 Shore D		
Outer diameter tolerance core insulation $\pm 5\%$ Shore hardness wire insulation $70 \pm 5$ Shore D		
Shore hardness wire insulation $70 \pm 5$ Shore D	Outer diameter insulation	
	Outer diameter tolerance core insulation	±5%
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	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
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	4,8 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	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	5 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C   horizontal
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min