

## M12 male 0° / M12 female 0° A-cod.

PVC 4x0.34 bk UL/CSA 7.5m

Male straight - female straight

M12 - M12, 4-pole

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

Plastic housings with good resistance against chemicals and oils.

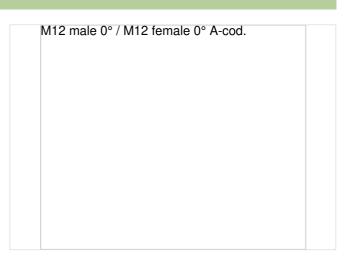
The resistance to aggressive media should be individually tested for your application. Further details on request.

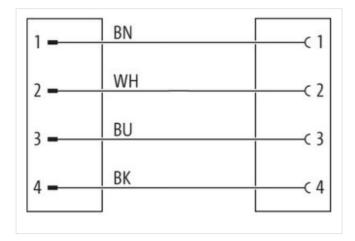
Further cable lengths on request.

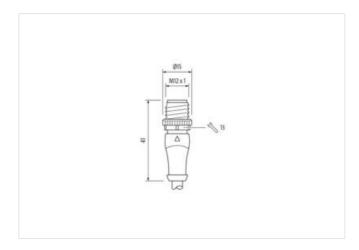
## **Link to Product**

## Illustration



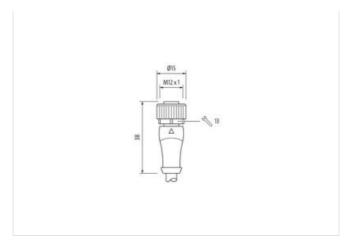


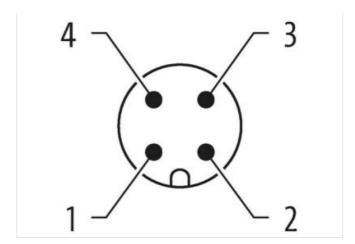






stay connected





Product may differ from Image



Cable length





7,5 m







Cable length	7,0 111
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
Coding	A
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
Coding	A
Material	PUR
Width across flats	SW13
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879183789
Packaging unit	1



stay connected

Operating voltage AC max.         250 V           Operating voltage DC max.         250 V           Operating voltage DC (UL-sited)         30 V           Operating voltage DC (UL-sited)         30 V           Operating voltage DC (UL-sited)         30 V           Current operating per contact max.         4 A           Installation   Connection         Mounting set           Mounting set         Installation   Connection   Co	Floatrical data   Supply	
Operating voltage DG max.         250 V           Operating voltage AG (UL-listed)         30 V           Operating voltage AG (UL-listed)         30 V           Current operating per contact max.         4 A           Mounting Set         M12 x 1           Period protection [Eschtick]         M12 x 1           Additional condition protection degree         Insented, screwed           Pollution Diagnee         3           Radd sup voltage         2,5 W           Mechanical data [Material data         Conting of Infing           Conting to locking         Nickeled           Conti	Electrical data   Supply	
Operating voltage AC (ILI-stated) 30 V Current operating per contact max. 4 A Installation   Connection Would be provided to the provided of t	<u> </u>	
Operating vallage DC (UL folded) 30 V  Curriert operating per contact max. 4 A A  Installation [Commedicin  Mourning set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 2,5 k V  Material group (EC 50564-1) 1  I Machanical data   Material data Coaring looking on listed plated Coaring obling on Indianal data   Material data Coaring looking on Indianal data   Material Gata Coaring looking on Indianal data   Material Gata Coaring looking on Indianal data   Material Gata Coaring looking method on Indianal data   Material Gata Coaring looking on Indianal data   Material Gata Coaring looking method on Indianal Gata   Material Gata   Material Gata Coaring looking looking Gata Gata   Material Gata		
Current operating per content max.         4 A           Installation (Connection         M12 x 1           Device protection   Electrical         M22 x 1           Additional condition protection degree         1 marted, screwed           Pollution Degree         3           Rated surge voltage         2.5 kV           Machanical data Material data         V           Coading locking         Nickeled           Coading of Ittling         nickeled decasting           Machanical data   Mounting data         Zinc disc-asting           Muterial screw connection         Zinc disc-asting           Machanical data   Mounting data         Xinc disc-asting           Muterial screw connection         Zinc disc-asting           Muterial screw connection         Zinc disc-asting           Muterial promperature mix         25 °C           Operating temperature mix         25 °C           Additional condition temperature range         depending on cable quality           Important Installation notes         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 ities.           Note on branding radius         Protect the connectors by		
Installation   Connection   Mounting set         M12 x 1           Device protection   Electrical         Device protection   Section   Sec		
Mounting set   Mile x   1  Device protection   Electrical  Additional condition protection degree   1serted, screwed    Pollution Degree   3  Rated surge voltage   2,5 kV    Material group (IEC 60664-1)   1  Mechanical data   Material data    Coating (obting   Nickeled   Coating of litting   nickel plated    Locking naterial   Zinc de casting    Material screw connection   Zinc de casting    Material subscription   Zinc de casting    Material screw connection   Zinc de casting    Material s	Current operating per contact max.	4 A
Nechanical data   Material actor   Material   Material actor   Material   Material actor   Material   Mat	Installation   Connection	
Abditional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 2.5 kV Meterial group (IEC 60664-1) I  Mechanical data Material data Coating ocking Michael Material data Coating ocking Michael Material data Coating ocking material michael plated Locking material michael Material data Coating of fitting michael plated Locking material michael Material group (IEC 60664-1) Zim die-casting Mechanical data   Mounting data Muturiting method inserted, screwed, Shaking protection Environmental characteristics   Climatic Operating temperature min. 2.5 °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. Altention: Coence the permissible bending forces.  Conformity Product standard Din KE (1076-2-101 (M12) Installation   Cable wire arrangement brown, black, blue, white Cable identification   614 Cable identificati	Mounting set	M12 x 1
Follution Degree 3 Rated surge voltage 2,5 kV Material group (IEC 60694-1) 1  Mechanical data   Material data Coating looking Nickelp plated Locking material Zinc die casting Material screw connection Zinc die casting Material wince surface (schedit) Material wince swell situation Material screw connection Sinc die Casting Material wince swell situation Material wince swell situation Material screw connection Sinc die Casting Material wince swell situation Material wince wince swell situation Material wince wince swell si	Device protection   Electrical	
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Meterial group (IEC 60664-1)  Mechanical data   Meterial data Coating locking material Coating locking material Meunting method Inserted, screwed, Shaking protection  Mechanical data   Mounting data  Mounting method Inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Inportant installation notes  Important installation notes  Note on strain relef 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 enchangered by successive bending forces.  Conformity  Product standard Din Ne 61076-2-101 (M12)  Installation   Cable  Write arrangement Drown, black, blue, white  Cable identification Gable i	Pollution Degree	3
Mechanical data   Material data         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Webstern die die die Mounting data           Environmental characteristics   Climatic         Environmental characteristics   Climatic           Operating temperature min.         25 °C           Operating temperature max.         85 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Memority of 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 cibles, as the IP protection class can be endangered by excessive bending forces.           Conformity         In Set 1016 (M12)           Wries alrandard         Din En 61076-2-101 (M12)           Water alrandard         Brown, black, blue, white           Cable in Type         1           Jackel Color         black           Vipe of Certificate <td< td=""><td>Rated surge voltage</td><td>2,5 kV</td></td<>	Rated surge voltage	2,5 kV
Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.           Operating temperature min.         45° C           Operating temperature range         depending on cable quality           Important installation constition temperature range         depending on cable quality           Important installation nets         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.           Note on bending radiu         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         DIN EN 61076-2-101 (M12)           Installation   Cable         brown, black, blue, white           Cable Identification         614           Cable Type         1           Jacket Color         black           Type of Certificate         cuBus           Annount stranding         1           Stranding         4 wies twisted           wrive a	Material group (IEC 60664-1)	I.
Coating of fitting niterial Zinc die-casting Material screw connection Zinc die-casting Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fies.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Product standard Din En 61076-2-101 (M12)  Installation   Cable  wire arrangement brown, black, blue, white  Cable identification 614  Cable identification 615  Cable weigh 12  A wires twisted  wire arrangement brown, black, blue, white  Cable weigh 40,7 g/m  Material yies indigential (jacke) 85 ± 5 Shore A  Freedom from ingredients (jacke) 15 mm  Tolerance outer diameter (jacket) 5 mm  Tolerance outer diameter (jacket) 5 mm  Tolerance outer diameter (jacket) 5 mm  Tolerance outer diameter (jacket) 1,25 mm  Outer diameter insulation 1,25 mm  Shore hardness wire insulation 4,5 ± 5 Shore D	Mechanical data   Material data	
Coating of fitting niterial Zinc die-casting Material screw connection Zinc die-casting Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fies.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Product standard Din En 61076-2-101 (M12)  Installation   Cable  wire arrangement brown, black, blue, white  Cable identification 614  Cable identification 615  Cable weigh 12  A wires twisted  wire arrangement brown, black, blue, white  Cable weigh 40,7 g/m  Material yies indigential (jacke) 85 ± 5 Shore A  Freedom from ingredients (jacke) 15 mm  Tolerance outer diameter (jacket) 5 mm  Tolerance outer diameter (jacket) 5 mm  Tolerance outer diameter (jacket) 5 mm  Tolerance outer diameter (jacket) 1,25 mm  Outer diameter insulation 1,25 mm  Shore hardness wire insulation 4,5 ± 5 Shore D	·	Nickeled
Locking material         Zinc die-casting           Material serew connection         Zinc die-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         Vote 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         Wrie arrangement         brown, black, blue, white           Cable identification         614         614           Cable Type         1         1           Use of Color         black         1           Amount stranding         1         1           Stranding         4 wires twisted           Wries arrangement         brown, black, blue, white           Cable weight         40,7 g/m           Material jacket         PVC <t< td=""><td></td><td></td></t<>		
Material screw connection         Zinc die-casting           Mechaical data   Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         25°C           Operating temperature many.         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.           Note on brain gradius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Total control of the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Total control of the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Total control of the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Total control installation forces.           Vision arrangement         Drown, black, blue, white           Cable type of Certificate         Certificate		· · · · · · · · · · · · · · · · · · ·
Mechanical data   Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Comperating temperature min.         -25 °C           Operating temperature man.         -25 °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 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         Installation   Cable           wire arrangement         brown, black, blue, white           Cable identification         614           Cable identification         614           Cable rype         1           Jacket Color         black           Type of Certificate         cURUs           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weight         40,7 g/m           Material jacket         PVC           Shore hardness jacket         85 ± Shore		
Mounting method inserted, Screwed, Shaking protection  Environmental characteristics   Climatic Operating temperature min.		
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.  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  wire arrangement brown, black, blue, white Cable dentification 614 Cable (Gold Tibration) 1 Jacket Color black Amount stranding 1 Stranding 4 wires twisted  wire arrangement brown, black, blue, white Cable weight 40,7 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Annount wires 4 Outer diameter isolation 1,25 mm Cuter diameter rolerance core insulation 45 ± 5 Shore D		incerted account Challing protection
Operating temperature min. Operating temperature max. B5 °C Additional condition temperature max. 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)  Installation   Cable wire arrangement brown, black, blue, white Cable identification 614 Cable Type 1 Jacket Color black Type of Certificate CURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weight 40,7 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) Duter-diameter (jacket) 5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation 1,25 mm Outer diameter insulation 4 5 ± 5 Shore D Shore hardness wire insulation 4 5 ± 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.  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  wire arrangement brown, black, blue, white  Cable identification 614  Cable Type 1  Jacket Color black  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weight 40,7 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation 1,25 mm  Outer diameter tolerance core insulation 45 ± 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)  Installation   Cable  wire arrangement brown, black, blue, white  Cable identification 614  Cable Type 1 1  Jacket Color black  Type of Certificate cURus  Amount stranding 1 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable identification 4, wires twisted  wire arrangement brown, black, blue, white  Cable identification 5, and the strain of the stra		
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.           Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         DIN EN 61076-2-101 (M12)           wire arrangement         brown, black, blue, white           Cable identification         614           Cable Type         1           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigth         40,7 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter (sheat	· · · · · ·	
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)  Installation   Cable  wire arrangement brown, black, blue, white  Cable identification 614  Cable Type 1  Jacket Color black  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigth 40,7 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 45 ± 5 Shore D  Shore hardness wire insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 45 ± 5 Shore D		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)  Installation   Cable  wire arrangement brown, black, blue, white  Cable identification 614  Cable Type 1  Jacket Color black Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted wire arrangement brown, black, blue, white  Cable weight 40,7 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) 1 smm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 45 ± 5 Shore D	Important installation notes	
endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable wire arrangement brown, black, blue, white Cable identification 614 Cable Type 1 Tacket Color black Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable wight 40,7 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) 5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter folerance core insulation 45 ± 5 Shore D	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   Cable           wire arrangement         brown, black, blue, white           Cable identification         614           Cable Type         1           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigth         40,7 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         85 ± 5 Shore A           Freedom from ingredients (jacket)         5 mm           Outer-diameter (jacket)         5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         45 ± 5 Shore D	Note on bending radius	
Installation   Cable           wire arrangement         brown, black, blue, white           Cable identification         614           Cable Type         1           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigth         40,7 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         45 ± 5 Shore D	Conformity	
wire arrangement         brown, black, blue, white           Cable identification         614           Cable Type         1           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigth         40,7 g/m           Material Jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         45 ± 5 Shore D	Product standard	DIN EN 61076-2-101 (M12)
Cable identification         614           Cable Type         1           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigth         40,7 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         45 ± 5 Shore D	Installation   Cable	
Cable Type         1           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigth         40,7 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         45 ± 5 Shore D	wire arrangement	brown, black, blue, white
Jacket Color     black       Type of Certificate     cURus       Amount stranding     1       Stranding     4 wires twisted       wire arrangement     brown, black, blue, white       Cable weigth     40,7 g/m       Material jacket     PVC       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer-diameter (jacket)     5 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PVC       Amount wires     4       Outer diameter insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     45 ± 5 Shore D	Cable identification	614
Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted wire arrangement brown, black, blue, white  Cable weigth 40,7 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 45 ± 5 Shore D	Cable Type	1
Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigth         40,7 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         45 ± 5 Shore D	Jacket Color	black
Stranding4 wires twistedwire arrangementbrown, black, blue, whiteCable weigth40,7 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires4Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore D	Type of Certificate	cURus
Stranding4 wires twistedwire arrangementbrown, black, blue, whiteCable weigth40,7 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires4Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore D	Amount stranding	1
wire arrangement brown, black, blue, white Cable weigth 40,7 g/m  Material jacket PVC Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 45 ± 5 Shore D	Stranding	4 wires twisted
Material jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires4Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore D	wire arrangement	brown, black, blue, white
Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 45 ± 5 Shore D	Cable weigth	40,7 g/m
Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Experiment to learn to le	Material jacket	PVC
Outer-diameter (jacket)         5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         45 ± 5 Shore D	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 45 ± 5 Shore D	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Material wire insulation PVC  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 45 ± 5 Shore D	1 roodoni nom mgrodionto (jaokot)	
Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 45 ± 5 Shore D	Outer-diameter (jacket)	5 mm
Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 45 ± 5 Shore D		
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 45 ± 5 Shore D	Outer-diameter (jacket)	±5%
Shore hardness wire insulation 45 ± 5 Shore D	Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	±5% PVC
	Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	± 5 % PVC 4
Material properties wire insulation good machinability	Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires	± 5 % PVC 4 1,25 mm
	Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation	± 5 %  PVC  4  1,25 mm  ± 5 %



Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Amount strands (wire)	19
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,34 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
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
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter