

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

PVC 3x0.34 bk UL/CSA 3m

Male straight – female 90° M12 – M12, 3-pole 2× LED (PNP), (NPN) on request

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

Plastic housings with good resistance against chemicals and oils.

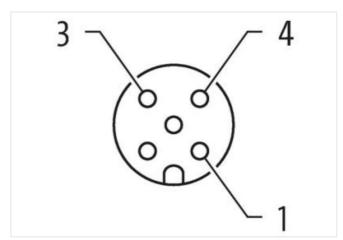
The resistance to aggressive media should be individually tested for your application. Further details on request.

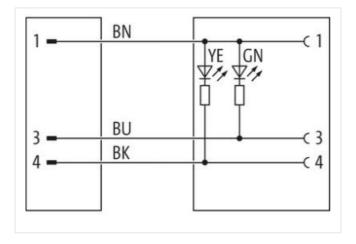
Further cable lengths on request.

## **Link to Product**

## Illustration





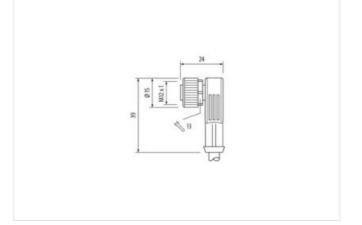






## stay connected





Product may differ from Image











Cable length	3 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal $\emptyset$ )	10 mm
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	4048879170857
Packaging unit	1
Electrical data   Supply	
Operating voltage DC	24 V



stay connected

Operating voltage DC max. 30 V Operating voltage DC max. (UL-listed) 30 V Current operating per contact max. 4 A  Diagnostics Status indication LED green, yellow  Installation   Connection  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 0.8 kV	Operating voltage DC min.	18 V
Operating perinding per control (UII-lainet)         30 V           Diagnositios         Formation (UIII-lainet)         4 A           Diagnositios         Formation (UIII-lainet)         Formation (UIII-lainet)           Situs indication (LED)         green, yellow           Installation   Connection         Modernal (UIII-lainet)           Modernal condition protection (Electrical)         Modernal condition protection (Electrical)           Additional condition protection (Electrical)         3           Ralad surge voltage         0.8 kV           Malerial group (UIEC 00094-1)         1           Machinal (Lainet)         Modernal (UIII-lainet)           Containing of Kling         inchel patient           Locking material         Zinc de-casting           Multimident assers connection         Zinc de-casting           Multimiden assert (Lainet)         Circulated (Lainet)           Continuity         Connection (Lainet)           Continuity         Lainet (Laine	· · · ·	
Current perainty per contract max.         4 A           Diagnostics           Status indication LED         green, yellow           Installation   Connection           Mounting set         May 12 ma		
Diagnostics         Status indication LED         green, yellow           Installation   Connection         M12 x 1           Device protection   Electrical         M2 x 1           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surpe voltage         0,8 kV           Material group (IEC 68864-1)         I           Mechanical data   Material data         Coasting closking         Nickeled           Coasting of string         nickel plated         Coasting of string           Locking material         Zinc dis-casting         Material screw connection         Zinc dis-casting           Mechanical data   Mourting data         Incerted, screwed, Shaking protection         Machanical data   Mourting data           Mechanical data   Mourting data         25 °C         Coperating temperature min.         25 °C           Operating temperature max         85 °C         Additional condition temperature max         85 °C           Additional Coalities         Visional condition temperature max         85 °C           Conternity         Experimental characteristics   Mourting and protection of the		
Status indication LED         grown, yellow           Installation   Connection           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Red as urge voltage         0,8 kV           Material going (ES 60664-1)         1           Mischanical data   Material data           Coating of fitting         nickeled           Coating of fitting         nickeled           Coating of fitting         nickeled           Mechanical data   Mounting         zinc die casting           Mechanical data   Mounting		48
Installation   Connection Mounting set	Diagnostics	
Mounting set         M12 x 1           Davice protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Railed surge voltage         0,8 kV           Meritand group (IEC 60684-1)         I           Mechanical data   Material data         Inchesied           Coating obtoking         Nickeled           Coating of litting         nickel plated           Locking material         Zinc dis-casting           Material strew connection         Zinc dis-casting           Material strew connection         Zinc dis-casting           Muniting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Competing temperature min.         25 °C           Operating temperature max.         25 °C         Coperating temperature max.         25 °C           Additional condition temperature range         depending on cable quality         Conformity           Product standard         DIN EN 61078-2-101 (M12)         List of the street	Status indication LED	green, yellow
Device protection   Electrical         Additional condition protection degree         inserted, screwed           Pollusion Degree         3           Rated surge voltage         0.8 kV           Machanical data   Material data	Installation   Connection	
Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 0.8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking   Nickeled  Coating of fifting nickel plated Locking material   Zimo die-casting  Minerial group material   Zimo die-casting  Material group material   Zimo die-casting  Mechanical data   Mounting data  Meuriting 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  Conformity  Product standard   DIN EN 61076-2-101 (M12)  Installation   Cable  Cable identification  Cable identification  Cable identification  Cable identification  1 Stranding  1 Sitranding  2 Sitranding  3 Swires twisted  wire arrangement brown, black, blue  Cable weight  34, 1 g/m  Alterial price in femera sitranding  1 Sitranding  2 Sitranding  3 Swires twisted  Wirel and properties wire insulation  1 Sitranding  3 Swires twisted  Wirel and properties wire insulation  1 Sitranding  3 Swires twisted  Wirel and properties wire insulation  1 Sitranding  3 Swires twisted  Wirel and properties wire insulation  4 Sitranding  3 Swires twisted  Wirel and properties wire insulation  1 Sitranding  3 Swires twisted  Wirel and properties wire insulation  3 Swires twisted  Wirel and properties wire insulation	Mounting set	M12 x 1
Pollution Degree         3           Rated surge voltage         0.8 kV           Material group (IEC 60694-1)         1           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         Michanical data   Mounting data           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Operating lemperature min.         -25 °C           Operating temperature min.         -25 °C         Operating lemperature mape.         45 °C           Additional condition temperature range         depending on cable quality         Operating lemperature mape.         45 °C           Contormity         Product standard         DIN EN 61076-2-101 (M12)         DIN EN 61076-2-101 (M12)           Installation   Cable         Since Installation   Gale	Device protection   Electrical	
Rated surge voltage 0.8 kV Material group (ICC 60684-1)  Coating locking Mechanical data   Material data  Coating fitting nickle plated Coating of fitting nickle plated Coating of fitting nickle plated Coating of fitting Zinc die-casting Material screw connection Zinc die-casting Material screw connection Zinc die-casting Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic Poperating temperature min25 °C Operating temperature min25 °C Operating temperature max85 °C Additional condition temperature range depending on cable quality  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  Cable identification 613 Cable (Potting Cable)  Cable identification Certificate UPus Amount stranding 1 Stranding 3 wires livisted  wire arrangement brown, black, blue Cable wight 34,1 gm Material picket  Shore hardness jacket PVC  Shore hardness jacket 1 Bed Free, cadmium-free, CFC-free, silicone-free Outer-diameter (spicket) 4.6 mm  Outer diameter (spicket) 1.5 mm  Outer diameter insulation 1 1.5 mm  Outer diameter insulation 1 2.5 mm  Dulameter of single wire insulation 1 2.5 mm  Conductor consequence (wire) 0,34 mm²	Additional condition protection degree	inserted, screwed
Meterial group (IEC 80684-1)         I           Mechanical data   Material data         Nickeled           Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Meterial screw connection         Meterial screw connection           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Competing temperature min.         -25 °C           Operating temperature max.         65 °C           Additional condition temperature range         depending on cable quality           Conformity         Total Statistics   Competition   Com	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         Webranical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Unional perparature min.           Operating temperature max.         85 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conformity         Product standard           Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         Cable destriction           Cable identification         613           Cable identification         613           Cable (or page 1)         1           Jacket Color         black           Type of Certificate         cURUS           Annount stranding         1           Stranding         3 views twisted           wire arrangement         brown, black, blue           Cable weight         34,1 g/m           Material jaket         PVC	Rated surge voltage	0,8 kV
Coating locking         Nickeled           Coating of litting         nickel plated           Locking material         Zinc die-casting           Material server connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Comperating temperature min.         25° C           Operating temperature max.         85 °C         Additional condition temperature range         depending on cable quality           Conformity         Toda (100 mg)         Toda (100 mg)         Toda (100 mg)           Cable identification   Cable         Use (107 mg)         1           Cable identification   Cable         400 mg         400 mg           Type of Certificate   Culfus         400 mg         400 mg           Amount stranding   1         50 mg         50 mg           Stranding   1         400 mg         400 mg           Write arrangement   200 mg         400 mg         400 mg           Cable weighth   34 t gim         400 mg	Material group (IEC 60664-1)	I
Coating locking         Nickeled           Coating of litting         nickel plated           Locking material         Zinc die-casting           Material server connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Comperating temperature min.         25° C           Operating temperature max.         85 °C         Additional condition temperature range         depending on cable quality           Conformity         Toda (100 mg)         Toda (100 mg)         Toda (100 mg)           Cable identification   Cable         Use (107 mg)         1           Cable identification   Cable         400 mg         400 mg           Type of Certificate   Culfus         400 mg         400 mg           Amount stranding   1         50 mg         50 mg           Stranding   1         400 mg         400 mg           Write arrangement   200 mg         400 mg         400 mg           Cable weighth   34 t gim         400 mg	Mechanical data   Material data	
Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material serve connection         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting method           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conformity         Vision (MIS)           Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         Cable identification           Cable identification         613           Cable (color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weight         34.1 g/m           Material jacket         PVC           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer diameter (jacket)         4.6 mm           Tolerance outer dameter (sheath)         ± 5 %           Material wire insulation         1.25 mm      <	•	Nickeled
Locking material Zinc die-casting Material screw connection Zinc die-casting Mechanical data   Mounting data Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Coperating temperature min.		
Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method         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           Conformity         Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         Cable identification         613           Cable Type         1         1           Jacket Color         black         1           Type of Cartificate         cURus           Amount stranding         1         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue         1           Cable weigh         34,1 g/m         4           Material jacket         PVC         8           Shore hardness jacket         85 ± 5 Shore A         8           Freedom from ingredients (jacket)         4.6 mm         1           Older-diameter (jacket)         4.5 mm         4.6 mm           Tollerance outler diameter (sheath)         ± 5 %         4.6 mm           Tollerance out		· · · · · · · · · · · · · · · · · · ·
Mechanical data   Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature max.         85 °C           Additional condition temperature max.         BS °C           Additional conditions temperature max.         BS °C           Cable destitication         BS S °C           Cable destitication         Black           Standing         1           Stranding         3 views twisted           wire arrangement         brown, black, blue           Cable weighth         34.1 g/m           Material veet         PVC           Shore Auronacterial (saket) </td <td>-</td> <td></td>	-	
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           Conformity         Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         Cable identification         613           Cable identification         613         Cable (M12)           Type of Certificate         cURus           Amount stranding         1         Current (M12)           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         34,1 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)         4,6 mm           Tollerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         45 ± 5 Shore D           Material properties wire insulation         45		Zino dio casting
Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conformity           Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable           Cable identification         613           Cable identification         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weight         34,1 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)         4,6 mm           Tolerance outer diameter (sheath)         ± 5 %           Amount wires         3           Outer diameter insulation         PVC           Amount wire insulation         1,25 mm           Outer diameter folerance core insulation         45 ± 5 Shore D           Material properties wire insulation		inserted coround Challing protection
Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conformity           Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable           Cable identification         613           Cable Type         1           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weight         34,1 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 %           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         ± 5 %           Material properties wire insulation         45 ± 5 Shore D           Material properties wire insulation         90 dmachinability           Ingredient freeness wire insulation         lead-free, cadmiu		
Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conformity           Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable           Cable identification         613           Cable Type         1           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weight         34,1 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         4.6 mm           Outer-diameter (jacket)         4.6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         45 ± 5 Shore D           Material properties wire insulation         pod machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicon	•	
Additional condition temperature range         depending on cable quality           Conformity           Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable           Cable identification         613           Cable Type         1           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weight         34,1 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)         4.6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         45 ± 5 Shore D           Material properties wire insulation         45 ± 5 Shore D           Material properties wire insulation         45 ± 5 Shore D           Material properties wire insulation         lead-free		
Conformity           Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable           Cable identification         613           Cable Type         1           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         34.1 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)         4,6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Material properties wire insulation         ± 5 Shore D           Material properties wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         19           Diameter of single wires         0,15 mm		
Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable           Cable identification         613           Cable Type         1           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         34,1 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)         4,6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         45 ± 5 Shore D           Material properties wire insulation         good machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         19           Diameter of single wires<		depending on easie quality
Installation   Cable           Cable identification         613           Cable Type         1           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         34,1 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)         4,6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         45 ± 5 Shore D           Material properties wire insulation         god machinability           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)		DIN FN 04070 0 404 (M40)
Cable Identification         613           Cable Type         1           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         34,1 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)         4,6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         45 ± 5 Shore D           Material properties wire insulation         good machinability           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		DIN EN 61076-2-101 (M12)
Cable Type         1           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         34,1 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)         4,6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter insulation         ± 5 %           Shore hardness wire insulation         ± 5 5 Shore D           Material properties 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	•	
Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         34,1 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)         4,6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter solerance core insulation         ± 5 %           Shore hardness wire insulation         45 ± 5 Shore D           Material properties wire insulation         good machinability           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		
Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         34,1 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)         4,6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter tolerance core insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         45 ± 5 Shore D           Material properties wire insulation         good machinability           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		
Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weigth 34,1 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) 4,6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 45 ± 5 Shore D Material properties wire insulation good machinability 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		
Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         34,1 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)         4,6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         45 ± 5 Shore D           Material properties wire insulation         good machinability           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		
wire arrangement brown, black, blue  Cable weigth 34,1 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) 4,6 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 3  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 45 ± 5 Shore D  Material properties wire insulation good machinability  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		
Cable weigth 34,1 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) 4,6 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 3  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 45 ± 5 Shore D  Material properties wire insulation good machinability  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		
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Conductor crosssection (wire) 0,34 mm²		
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Conductor type (wire)	Strand class 5
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	6 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
Nominal voltage power AC max.	300 V
Power frequency withstand voltage power (wire - jacket)	2 kV @ 60 s
AC withstand voltage power (wire - wire)	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 § 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