

## M12 male 0° / M8 female 90° A-cod. LED

PUR 3x0.25 gy UL/CSA 3m

## ⚠ NOTICE ⚠ PRODUCT IS DISCONTINUED. PLEASE HAVE A LOOK AT THE ALTERNATIVE PRODUCTS.

Male straight - female 90°

M12 - M8, 3-pole

LED (yellow/green)

Plastic housings with good resistance against chemicals and oils.

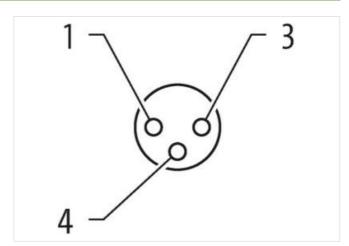
The resistance to aggressive media should be individually tested for your application. Further details on request.

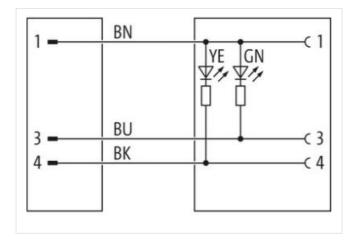
Further cable lengths on request.

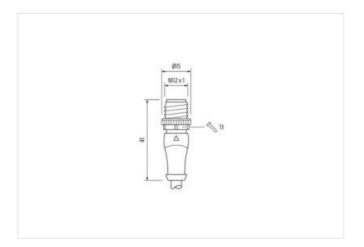
## **Link to Product**

## Illustration



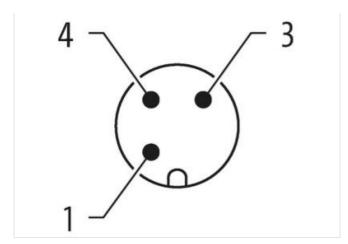


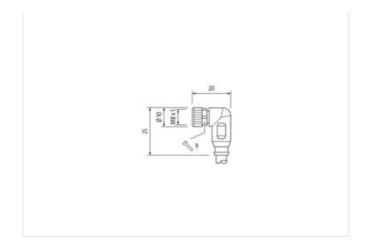






stay connected





Product may differ from Image





Cable length	3 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Material contact	Copper alloy
Material	PUR
No. of poles	3
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP66K, IP67
Side 2	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal $\emptyset$ )	6,5 mm
Material contact	Copper alloy
Material	PUR
No. of poles	3
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP66K, IP67
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



stay connected

ETIM-6.0   ETIM-6.0	ECLASS-11.1	27060311
ETMA 5.0         ECON 1955           customs tainf number         8544280           OTN         4048879 156952           Packaging unit         1           Electrical datal Supply         Permainy voltage DG           Operating voltage DG or Inn.         18 V           Operating voltage DG max.         30 V           Operating voltage DG max.         30 V           Operating voltage DG max.         4 A           Current operating per contact max.         4 A           Current operating per contact max.         4 A           Current operating per contact max.         4 A           Disposacies         Status indication LED           Status indication (EECTION)         1           Publishin Degree         3           Paleds status indication (EECTION)         1           Publishin Degree         3           Read and supproviling         0.8 kV           Meantal group (EE 0864-1)         1           Michanical data Material data		
Castons sariff number         85444200           GTIN         40482791596922           Packaging unit         1           Electrical data   Supply         Coperating voltage DC min           Operating voltage DC min         18 V           Operating voltage DC min         18 V           Operating voltage DC max.         30 V           Current consumption max.         5 mA           Diagnostics         Status indication LED         green, yellow           Powled protection   Electrical         Additional condition protection degree         inserted, screwed           Additional condition protection degree         inserted, screwed           Pollution Degree         3         Received protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3         Received protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3         Received protection   Electrical           Additional condition protection   Electrical         0,8 kV           Material group (Ele 50664-1)         1           Conting to thing         Nickelod           Coaling of thing         nokel plated           Material group of thing		
GTIN         4048879159692           Packaging unit         1           Electrical data   Supply         Coperating voltage DC         24 V           Operating voltage DC max         30 V           Operating voltage DC max         30 V           Operating voltage DC max         4 A           Current consumption max         5 mA           Diagnostics         Status indication LED         green, yellow           Device protection   Electrical         Additional condition protection degree         98 N           Pollution Degree         3         9           Pollution Degree         3         9           Rated say voltage         0.8 kV           Mechanical data   Meterial data         1           Mechanical data   Meterial data         1           Mechanical gasket         FKM           Locking material         2 inc de casting           Mechanical data   Munting data         Inserted, screwed, Staking protection           Mechanical data   Munting data         Inserted, screwed, Staking protection           Mechanical data   Munting data         25 °C           Mechanical data   Munting data         25 °C           Mechanical data   Munting data         25 °C           Contenting temperature min.         25 °C		
Packaging until         1           Electrical data (Supply)         Coperating voltage DC         24 V           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Operating voltage DC max.         4 A           Current consumption max.         5 mA           Diagnostics         Tourset consumption max.           Diagnostics         Tourset consumption max.           Diagnostics         Tourset consumption max.           Pollution Deprete         3           Additional condition protection degree         inserted, screwad           Pollution Degree         3           Based surges voltage         0.8 NV           Maintail group (EC 60064-1)         1           Mechanical data (Material data         1           Mechanical data (Material data         1           Maintail group (EC 60064-1)         1           Mechanical data (Material data)         Nickeled           Coating dolling all films         nickel plated           Multiplied gasket         FKM           Locking material         Zinc die-casting           Multiplied gasket         provider casting           Environmental characteristics   Climatic         Cinc die-casting           Pope		
Electrical data   Supply         Operating voltage DC min.         24 V           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Operating voltage DC max.         4 A           Current operating per contact max.         4 A           Current operating per contact max.         4 A           Current operating per contact max.         4 A           Device protection I Electrical         Additional condition protection degree           Additional condition protection degree         3 Rated surge voltage         0,8 kV           Makeral group (IEC 60664-1)         1           Independent of the protection of th		
Operating voltage DC         24 V           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Operating voltage DC max.         4 A           Current operating per contact max.         5 mA           Diagnostics         Status indication LED           Status indication LED         green, yellow           Device protection [Electrical         Additional condition protection degree           Pollution Degree         3           Raced surge voltage         0.8 kV           Material group (IEC 60664-1)         I           Mechanical data   Material data         I           Coating boking         Nickeled           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Multing 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         2           Locke iclerification		
Poperating voltage DC min.	Operating voltage DC	24 V
Operating voltage DC max.         30 V           Operating voltage DC max.         4 A           Current operating per contact max.         4 A           Current consumption max.         5 mA           Diagnostics         Status indication LED         green, yellow           Device protection   Electrical         Additional condition protection degree         1           Pollution Degree         3         8           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         1           Mechanical datal   Material data         Understanding policy (IEC 60664-1)         1           Coating lockling         Nickelad           Coating of fitning         nickel plated           Malarial gasket         FKM           Locking material         Zinc die-casting           Malarial graver connection         Zinc die-casting           Melerial screw connection         Insertied, screwed, Shaking protection           Environmental characterfsitics   Climatic         Coperating temperature min.         25 °C           Operating temperature max.         85 °C         Additional condition temperature range         deponding on cable quality           Product standard         DIN En 61076-2-101 (M12), DIN En 61076-2-114 (M8)         Insertical condition         220	<u> </u>	
Operating voltage DC max. (UL-listed)         39 V           Current operating per contact max.         4 A           Current operating per contact max.         5 mA           Diagnostics         Status indication LED           Status indication LED         green, yellow           Device protection   Electrical         Additional condition protection degree           Pollution Degree         3           Rated surge voltage         0.8 kV           Material group (IEC 60084-1)                     Mechanical data   Material data                     Coating locking         Nickeled           Coating locking         nickel plated           Material graket         FKM           Locking material         Zinc die-casting           Mechanical data   Mounting data         risorted, scrowed, Shaking protection           Merinal scrow connection         Zinc die-casting           Mechanical data   Mounting data         risorted, scrowed, Shaking protection           Perating temperature min.         -25 °C           Operating temperature min.         -25 °C           Operating temperature min.         -25 °C           Operating temperature may.         -85 °C           Operating temperature min.         -95 °C           Collabe identification </td <td></td> <td></td>		
Current operating per contact max.         5 mA           Current consumption max.         5 mA           Disagnostics         Status indication LED         green, yellow           Powice protection   Electrical         Additional condition protection degree         inserted, screwed           Pollution Degree         3         3           Rated surge voltage         0.8 kV           Mariental group (ICE 60684-1)         1           Coating locking         Nickeled           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature max.           Operating temperature max.         25 °C           Additional condition temperature range         depending on cable quality           Conting temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conting temperature max.         25 °C           Coliferial (Cable)         20           Cable identification         20           Cable		
Current consumption max. 5 mA  Diagnostics  Status indication LED green, yellow  Device protection Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Raded surge voltage 0,8 kV  Material group (IEC 80684-1) I  Mechanical data   Material data  Casting of fitting nickel plated  Material gasket FKM  Locking material Zinc die casting  Material gasket FKM  Locking material Zinc die casting  Material screw connection Zinc die casting  Material screw connection Zinc die casting  Material screw connection Zinc die casting  Material protection (Emperature max. 85 °C  Operating temperature max. 85 °C  Operating temperature max. 85 °C  Conformity  Product slandard Din Neh 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cabbic Clore  Cable identification 220  Cable Type  2 2  Cable (Cotri gray  Type of Certificate CURus  Amount stranding 1  Stranding 3 wires levisled  wire air angement brown, black, blue  Traversing distance (C+track) 5 m @ 25 °C) horizontal  Traversing distance (C+track) 5 m @ 25 °C)  Cable right glacket Cotron 5 m @ 25 °C)  Cable right glacket Cotron 5 m @ 25 °C)  Traversing distance (C+track) 5 m @ 25 °C)  Cable right glacket Cotron 5 m @ 25 °C)  Cable right glacket Cotron 5 m @ 25 °C)  Traversing distance (C+track) 5 m @ 25 °C)  Cable right glacket Cotron 5 m @ 25 °C)  Cable right glacket Cotron 5 m @ 25 °C)  Cable right glacket Cotron 6 m @ 25 °C)  Cable right glacket Cotron 6 m @ 25 °C)  Cable weigh  26,62 g/m  Material jacket PUR  Shore hardness jacket 1 Pur  Tolerance outer diameter (cheatt) 4,3 mm  Tolerance outer diameter (cheatt) 4,3 mm		
Diagnostics           Status indication LED         green, yellow           Device protection [Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Meterial group (EC 05064+1)         1           Methanical data   Material date		5 mA
Status indication LED         green, yellow           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60064-1)         I           Mechanical data   Material data         I           Coating locking         Nickeled           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Methanical data   Mounting data         Methanical data   Mounting data           Meuriting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         -25 °C           Operating temperature max.         85 °C         Additional condition temperature range         85 °C           Additional condition (condition temperature range)         20 centing on cable quality           Conformity         Product standard         DIN EN 61076 2-101 (M12), DIN EN 61076 2-114 (M8)           Installation   Cable         22           Cable indefinition (activation)         220           Cable indefinition (activation)         220           Cable indefinition (activation)	·	
Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voitage         0,8 kV           Material group (EC 60664-1)         I           Mechanical data   Material data         Image: Material group (EC 60664-1)           Coating locking         Nickeled           Coating of litting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Mechanical data   Mounting data         Mounting method           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         22           Cable in Type         2           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         bro		groop vollow
Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         1           Nechanical data   Material data           Coating of fitting         Nickeled           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Munting data         Material screw connection           Mechanical data   Munting data           Material condition tomerative many           Coperating temperature min.         25 °C           Operating temperature max.         85 °C           Additional condition temperature range         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           Cable identification   220           Cable identification   220           Cabl		green, yenow
Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         Voltage   Material group (IEC 60664-1)           Coating locking         Nickeled           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         220           Cable identification         220           Cable identification         220           Cable identification         20 (PIRus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brow, black, blue           Traversing distance (C-track)         5 m @ 25 °C   horizontal </td <td></td> <td></td>		
Rate of surge voltage         0,8 kV           Material group (IEC 60664-1)         I           Mechanical data [Material data]           Coating locking         Nickeled           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material sorew connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Competing temperature min.         4.25 °C           Operating temperature min.         4.25 °C         Additional condition temperature range         depending on cable quality           Conditional condition temperature range         depending on cable quality         Temperature min.         4.25 °C           Coperating temperature may         2.25 °C         Additional condition temperature range         depending on cable quality           Confirett           Color         Very County	·	
Material group (IEC 60664-1)         I           Mechanical data   Material data         Mode of thing           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method           Mechanical data   Mounting data         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), DIN EN 61076-2-114 (M8)           Installation   Cable           Cable identification         220           Cable identification         220           Cable identification         23           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Traversing distance (C-track)         5 m @ 25 °		
Mechanical data   Material data           Coating locking         Nickeled           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method           Environmental characteristics   Climatic         Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature mas.         85 °C           Additional condition temperature range         depending on cable quality           Conformity         Product standard           Installation   Cable         220           Cable (dentification         220           Cable (dentification         220           Cable (dentification         2           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Travel speed (C-track)         5 m @ 25 °C   Invizontal           Travel speed (C-track)         2 Mice Se °C           Cable weigh         2 6.62 g/m           Material jacket <t< td=""><td></td><td></td></t<>		
Coating locking         Nickeled           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting method           Environmental characteristics   Climatic         Image: Company of the post of the parature 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), DIN EN 61076-2-114 (M8)         Installation   Cable           Cable identification         220         Cable identification         220           Cable rype         2         2           Jacket Color         gray           Type of Certificate         cURUs           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Travel speed (C-track)         5 m @ 25 °C   horizontal           Travel speed (C-track)         5 m @ 25 °C   horizontal           Travel speed (C-track)         85 ± 5 Shore A           Freedom from ingredients (jacket)	Material group (IEC 60664-1)	I
Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-asting           Material screw connection         Zinc die-asting           Mechanical data   Mounting data         Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         -25 °C           Operating temperature max.         35 °C           Additional condition temperature range         depending on cable quality           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         220           Cable identification         220           Cable (Color         gray           Type of Certificate         CURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Travel speed (C-track)         2 Min. @ 25 °C           Cable weight         26,62 g/m           Material jacket         PUR           Shore hardness jacket         85 ± S Shore A           Freedom from ingredients (jacket)	Mechanical data   Material data	
Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Concentral presenture min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conformity         V           Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Cable Identification           Cable Identification         220           Cable Identification         220           Cable Color         gray           Type of Certificate         cuPrus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Traver sing distance (C-track)         5 m @ 25 °C   horizontal           Traver speed (C-track)         2 Min. @ 25 °C           Cable weigth         26,62 g/m           Material jacket         PUR           Shore nardness jacket         35 ± 5 Shore A	Coating locking	Nickeled
Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method           Environmental characteristics   Climatic         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), DIN EN 61076-2-114 (M8)           Installation   Cable         Cable identification         220           Cable identification         220         Cable Type         2           Jacket Color         gray         Type of Certificate         cURus           Amount stranding         1         Stranding         3 wires twisted           wire arrangement         brown, black, blue         Traver sing distance (C-track)         5 m @ 25 °C   horizontal           Traver sing distance (C-track)         2 Mio. @ 25 °C         Cable weigth         26.62 g/m           Material jacket         PUR         Shore A         Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         4,3 mm	Coating of fitting	nickel plated
Material screw connection         Zinc die-casting           Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Operating temperature 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), DIN EN 61076-2-114 (M8)           Installation   Cable         220           Cable identification         220           Cable to Color         gray           Type         2           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         3 vires twisted           wire arrangement         brown, black, blue           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Travel speed (C-track)         5 m @ 25 °C   horizontal           Tavel speed (C-track)         2 Mio. @ 25 °C           Cable weigth         85 ± 5 Shore A           Freedom from ingredients (jacket)         85 ± 5 Shore A           Freedom from ingredients (jacket)         4,3 mm	Material gasket	FKM
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min.	Locking material	Zinc die-casting
Mounting method inserted, screwed, Shaking protection    Environmental characteristics   Climatic	Material screw connection	Zinc die-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), DIN EN 61076-2-114 (M8)         Installation   Cable         Cable identification       220         Cable Type       2         Jacket Color       gray         Type of Certificate       cURus         Amount stranding       1         Stranding       3 wires twisted         wire arrangement       brown, black, blue         Traversing distance (C-track)       5 m @ 25 °C   horizontal         Travel speed (C-track)       2 Mio. @ 25 °C         Cable weigth       26,62 g/m         Material jacket       PUR         Shore hardness jacket       85 ± 5 Shore A         Freedom from ingredients (jacket)       1 ead-free, cadmium-free, CFC-free, silicone-free         Outer-diameter (jacket)       4,3 mm         Tolerance outer diameter (sheath)       ± 5 %	Mechanical data   Mounting data	
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), DIN EN 61076-2-114 (M8)  Installation   Cable  Cable identification 220 Cable Type 2 Jacket Color gray  Type of Certificate cURus  Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Travel speed (C-track) 2 Mio. @ 25 °C Cable weigth 26,62 g/m  Material jacket PUR  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) ± 5 %	Mounting method	inserted, screwed, Shaking protection
Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conformity           Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           Cable identification         220           Cable Type         2           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Travel speed (C-track)         2 Mio. @ 25 °C           Cable weigth         26,62 g/m           Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         4,3 mm           Tolerance outer diameter (sheath)         ± 5 %	Environmental characteristics   Climatic	
Additional condition temperature range         depending on cable quality           Conformity           Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           Cable identification         220           Cable Type         2           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Travel speed (C-track)         2 Mio. @ 25 °C           Cable weigth         26,62 g/m           Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         4,3 mm           Tolerance outer diameter (sheath)         ± 5 %	Operating temperature min.	-25 °C
Conformity           Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           Cable identification         220           Cable Type         2           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Travel speed (C-track)         2 Mio. @ 25 °C           Cable weigth         26,62 g/m           Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         4,3 mm           Tolerance outer diameter (sheath)         ± 5 %	Operating temperature max.	85 °C
Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable    Cable identification 220  Cable Type 2  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Travel speed (C-track) 2 Mio. @ 25 °C  Cable weigth 26,62 g/m  Material jacket PUR  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) 4,3 mm  Tolerance outer diameter (sheath) ± 5 %	Additional condition temperature range	depending on cable quality
Cable identification 220 Cable Type 2 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Traversing distance (C-track) 5 m @ 25 °C   horizontal Travel speed (C-track) 2 Mio. @ 25 °C Cable weigth 26,62 g/m Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) ± 5 %	Conformity	
Cable identification 220  Cable Type 2  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted wire arrangement brown, black, blue  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Travel speed (C-track) 2 Mio. @ 25 °C  Cable weigth 26,62 g/m  Material jacket PUR  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) ± 5 %	Product standard	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Cable identification 220  Cable Type 2  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted wire arrangement brown, black, blue  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Travel speed (C-track) 2 Mio. @ 25 °C  Cable weigth 26,62 g/m  Material jacket PUR  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) ± 5 %	Installation   Cable	
Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Travel speed (C-track) 2 Mio. @ 25 °C  Cable weigth 26,62 g/m  Material jacket PUR  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,3 mm  Tolerance outer diameter (sheath) ± 5 %	Cable identification	220
Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Travel speed (C-track) 2 Mio. @ 25 °C  Cable weigth 26,62 g/m  Material jacket PUR  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,3 mm  Tolerance outer diameter (sheath) ± 5 %	Cable Type	2
Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Travel speed (C-track) 2 Mio. @ 25 °C  Cable weigth 26,62 g/m  Material jacket PUR  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,3 mm  Tolerance outer diameter (sheath) ± 5 %	Jacket Color	gray
Stranding 3 wires twisted wire arrangement brown, black, blue  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Travel speed (C-track) 2 Mio. @ 25 °C  Cable weigth 26,62 g/m  Material jacket PUR  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,3 mm  Tolerance outer diameter (sheath) ± 5 %	Type of Certificate	cURus
wire arrangement brown, black, blue  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Travel speed (C-track) 2 Mio. @ 25 °C  Cable weigth 26,62 g/m  Material jacket PUR  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,3 mm  Tolerance outer diameter (sheath) ± 5 %	Amount stranding	1
Traversing distance (C-track) 5 m @ 25 °C   horizontal  Travel speed (C-track) 2 Mio. @ 25 °C  Cable weigth 26,62 g/m  Material jacket PUR  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,3 mm  Tolerance outer diameter (sheath) ± 5 %	Stranding	3 wires twisted
Travel speed (C-track) 2 Mio. @ 25 °C  Cable weigth 26,62 g/m  Material jacket PUR  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,3 mm  Tolerance outer diameter (sheath) ± 5 %	wire arrangement	brown, black, blue
Cable weigth       26,62 g/m         Material jacket       PUR         Shore hardness jacket       85 ± 5 Shore A         Freedom from ingredients (jacket)       lead-free, cadmium-free, CFC-free, silicone-free         Outer-diameter (jacket)       4,3 mm         Tolerance outer diameter (sheath)       ± 5 %	Traversing distance (C-track)	5 m @ 25 °C   horizontal
Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 4,3 mm Tolerance outer diameter (sheath) ± 5 %	Travel speed (C-track)	2 Mio. @ 25 °C
Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,3 mm  Tolerance outer diameter (sheath) ± 5 %		26,62 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,3 mm  Tolerance outer diameter (sheath) ± 5 %	Material jacket	
Outer-diameter (jacket) 4,3 mm  Tolerance outer diameter (sheath) ± 5 %	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 %	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
		4,3 mm
Material wire insulation PVC	Tolerance outer diameter (sheath)	
	Material wire insulation	PVC

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



Amount wires	3
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	43 ± 5 Shore D
Material properties wire insulation	good machinability
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Amount strands (wire)	32
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,25 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	4,5 A
Electrical resistance line constant wire	79 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
Flame resistance	UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	10 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter