

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

PUR 4x0.25 gy UL/CSA 1m

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

Male straight - female 90°

M12 - M8, 4-pole

2× LED (PNP), (NPN) on request

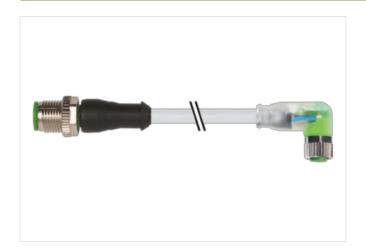
Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

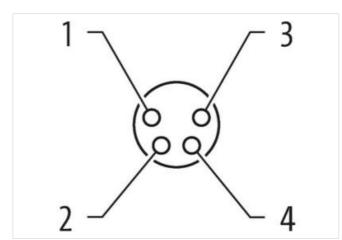
Plastic housings with good resistance against chemicals and oils.

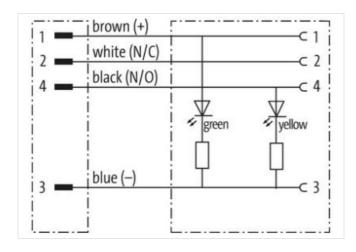
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

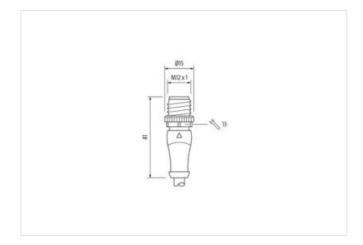
## **Link to Product**

## Illustration



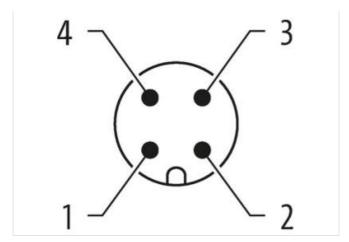


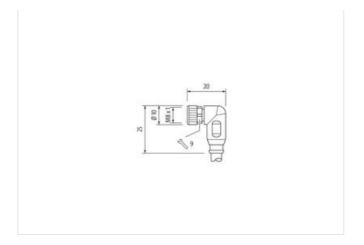






stay connected





Product may differ from Image





Cable length	1 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
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP66K, IP67
Side 2	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
Coding	A
Material	PUR
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
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879550352

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: 2024-05-03



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Separating voltage DC min.   18 V   Operating voltage DC mix.   30 V   Operating voltage DC mix.   30 V   Operating voltage DC mix.   30 V   Operating voltage DC mix.   4 A   A   Operating voltage DC mix.   4	Packaging unit	1	
Operating voltage DC min. 18 V Ourrent operating per contact min. 4 A  Surent operating per contact min. 4 A  Device protection   Electrical  Additional contiling protection degree   Insented, screwed   Operating voltage protection   Electrical  Additional contiling protection degree   3  Radio alwayo voltage   Operating per contact   Operating   Operatin	Electrical data   Supply		
Operating voltage DC max.   30 V	Operating voltage DC	24 V	
Operating voltage DC max.   30 V	Operating voltage DC min.	18 V	
Operating voitage DC max. (UL islard) 30 V Current operating per contact max. 4 A  Status indication LED green, yellow  Device protection   Electrical  Maciliand condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voitage 0x8 X  Makerial group (EC 90094-1) 1  Mechanical data   Material data  Material group (EC 90094-1) 1  Mechanical data   Material data  Coating to fitting nickel pilated  Locking material  Locking material  Locking material  Mounting method Inserted, screwed, Shaking protection  Mechanical data   Muniformation   Arc dise-asting  Mechanical data   Muniformation   Arc dise-asting  Mechanical data   Muniformation   Arc dise-asting  Mounting method Inserted, screwed, Shaking protection  Environmental characteristics   Climation  Deparating temperature min.	Operating voltage DC max.	30 V	
Diagnostics Status Indication IED green, yellow  Pevice protection   Electrical Additional Condition protection   Sectors   Periodicon Deprecia   Periodi		30 V	
Status indication LED green, yellow  Povice protection   Electrical  Additional condition protection degree  3	Current operating per contact max.	4 A	
Device protection   Electrical   Additional condition protection degree   Pollution Degree   Sarard surge voltage   O,S kV   Material group (IEC 60664-1)   I   Mechanical data   Material data   Coating locking   Ooking	Diagnostics		
Additional condition protection degree inserted, sorewed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (EC 80664-1) I  Mechanical data   Material data  Coating locking Nickeled Coating of fitting nickel plated Locking material Zinc disc-assting Material screw connection Zinc disc-assting Material screw connection Zinc disc-assting Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Departing temperature min. 25 °C Operating temperature min. 45 °C Operating temperature max. 80 °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 infentification 221 Cable identification 221 Cable identification 221 Cable identification 24 Stranding 4 wives twisted  Stranding 4 wives twisted  Traver speed (C-track) 2 Min. 25 °C Libration of C-track) 2 Min. 25 °C Libration outer diameter (insent) 4 S Fore Cable weight 32 °C Libration outer diameter (insent) 4 S Fore Cadmium-free, CFC-free, silicone-free  Outer diameter (insent) 45 °C Libration outer diameter insentation PVC Libration outer diameter insentation PVC Libration outer diameter insentation PVC Libration outer diameter insentation 15 °C Libration outer diameter insentation 15 °C Libration outer diameter inse	Status indication LED	green, yellow	
Rated surge voltage	Device protection   Electrical		
Rated surge voltage 0,8 kV Material group (EC 60664-1) 1  Coating locking Nickeled Coating of litting nickel plated Material sorew connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min.	Additional condition protection degree	inserted, screwed	
Rated surge voltage 0,8 kV Material group (EC 60664-1) 1  Coating locking Nickeled Coating of litting nickel plated Material sorew connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min.	Pollution Degree	3	
Material group (IEC 60664-1)  Mochanical data   Material data  Coating locking nickel plated Coating of litting Locking material Zinc die-casting Material screw connection Zinc die-casting Material screw connection  Environmental characteristics   Climatic  Operating temperature min. Operating temperature man.  Operating temperature man.  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  221 Cable Type 2 Salcket Color gray Type of Certificate  CIPRus  Amount standing 1 Stranding 4 wires twisted  wire arrangement brown, black, blue, white Traversing distance (C-track) 5 m @ 25 °C   Inorizontal Traversing distance (C-track) 2 Min. @ 25 °C Cable weigh 32.01 g/m  Material jacket PUR  Foredom from ingredients (jacket)  Material jacket PUR  Foredom from ingredients (jacket) 4.6 mm  Tolerance outer diameter (shoatt) 5 ° %  Material proper insulation PVC  Amount wives 4  Outer diameter insulation 1,25 mm  Outer diameter insulation 1,25 mm  Outer diameter insulation 1,25 mm  Outer diameter insulation 1 good and free, cadmium free, CFC-free, silicone-free  Outer diameter insulation 1,25 mm  Outer diameter wire insulation 1,25 mm  Outer diameter insulation 1,25 mm  Ou		0,8 kV	
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         Inserted, screwed, Shaking protection           Environmental characteristics   Climater           Operating temperature min.         -25 °C           Operating temperature max.         80 °C           Additional condition temperature range         depending on cable quality           Conformity           Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Institution   Cable           Cable identification         221           Cable Goldentification         221           Cable Goldentification         221           Captificate         cURUs           Amount stranding         1           Stranding         4 wires twisted           Wire arrangement         brown, black, blue, white           Traversing distance (C-track)         2 fm @ 25 °C   horizontal           Traversing distance (C-track)         2 fm @ 25 °C   horizontal <td col<="" td=""><td></td><td></td></td>	<td></td> <td></td>		
Coating locking         Nickeled           Coating of fitting         nickel plated           Cocking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climate         Total Company         Company           Operating temperature min.         25 °C           Operating temperature max.         80 °C         Additional condition temperature may.         depending on cable quality           Conformity         Total cast and condition temperature range         depending on cable quality           Product standard         DIN En 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Zable identification         221           Cable identification         221         2           Cable identification         221         3           Type of Centificate         c/URUs         4           Amount stranding         1         1           Traversing distance (-track)         5 m @ 25 °C   horizontal           Traversing distance (-track)         2 m @ 25 °C   horizontal           Travel speed (-track)         2 m @ 25 °C   horizontal           Travel speed (-track)			
Coating of fitting nickel plated Locking material Zinc die-casting Material screw connection Zinc die-casting Material screw connection Mechanical date i Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min. 25° C Operating temperature may. 80° 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 221  Cable identification 221  Cable (Type 2 2  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  Wire arrangement brown, black, blue, white  Traversing distance (C-track) 5 m @ 25° C i (Drizontal)  Traver speed (C-track) 2 Mio. @ 25° C  Cable weight 32,01 g/m  Material jacket PUR  Shore hardness jacket PUR  Shore hardness jacket PUR  Material picket (Sheath) 4,6 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation 1,25 mm  Outer diameter insulation 43 ± 5 Shore D  Material process wire insulation 1,25 mm  Outer diameter folerance core insulation 1,25 fmc D  Under diameter travelation 1,25 mm  Outer diameter folerance core insulation 1,25 mm  Outer diameter insulation 1,25 mm  Outer diameter insulation 1,25 mm  Outer diameter folerance core insulation 1,25 mm  Outer diameter freeness wire insulation 1,26 fmc out and material properties wire insulation 1,26 fmc out and m		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  Operating temperature min25 °C Operating temperature max. 80 °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 221  Cable identification 22  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Traversing distance (C-track) 5 no 25 °C   horizontal  Traver speed (C-track) 2 Mio. 25 °C  Cable weigh 32,01 g/m  Material jacket PUR  Shore hardness jacket Reseth  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4.6 mm  Outer diameter (jacket) 1,25 mm  Outer diameter insulation 1,25 mm  Outer diameter insulation 43 ± 5 Shore D  Material products were insulation 1,26 free, cadmium-free, CFC-free, silicone-free  long-diameter folerance core insulation 43 ± 5 Shore D  Material products were insulation 1,26 free, cadmium-free, CFC-free, silicone-free  Outer diameter insulation 1,25 mm  Outer diameter insulation 1,25 mm  Outer diameter insulation 1,25 mm  Outer diameter insulation 1,26 mm  Outer diameter were insulation 1,26 mm  Outer diameter insulation 1,26 mm			
Material screw connection         Zinc die-casting           Mechaical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Operating temperature min.         425 °C           Operating temperature max.         80 °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         221           Cable identification         221         Cable identification         221           Cable Color         gray         Quality         Cable identification         281           Stranding         4 wires twisted         Manual stranding         1         Cable identification         2 Mine identifi		·	
Meunting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic Operating temperature min.			
Mounting method inserted, screwed, Shaking protection  Fivironmental characteristics   Climatic  Operating temperature min. 25 °C  Operating temperature max. 80 °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 221  Cable dientification 21  Cable of Certificate culture  Type of Certificate culture  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Travel speed (C-track) 2 Mio. @ 25 °C  Cable weigh 32,01 g/m  Material jacket PUR  Shore hardness jacket 85 ± 5 Shore A  Material wire insulation PVC  Material wire insulation PVC  Material wire insulation PVC  Material wire insulation PVC  Material wire insulation 1,25 mm  Outer diameter insulation 43 ± 5 Shore D  Material product insulation 1 lead-free, cadmium-free, CFC-free, silicone-free  Material products wire insulation 43 ± 5 Shore D  Material products wire insulation 1 lead-free, cadmium-free, CFC-free, silicone-free  Material products wire insulation 43 ± 5 Shore D  Material properties wire insulation 1 lead-free, cadmium-free, CFC-free, silicone-free  Material products wire insulation 1 and free, cadmium-free, CFC-free, silicone-free		Ziric die-casting	
Environmental characteristics   Climatic  Operating temperature min.			
Operating temperature min. Operating temperature max. 80 °C Additional condition temperature max. 80 °C Additional condition temperature range  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  Cable identification 221  Cable identification 221  Cable identificate Color gray Type of Certificate URus  Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Traversing distance (C-track) 5 m @ 25 °C   horizontal Travel speed (C-track) 5 m @ 25 °C   horizontal Travel speed (C-track)  Amount signed wire insulation  Also be seed of the color of			
Operating temperature max. 80 °C Additional condition temperature range depending on cable quality  Contomity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  Cable identification 221  Cable tidentification 21  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Travel speed (C-track) 2 Mio. @ 25 °C  Cable weight 32,01 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 %  Material wire insulation PVC  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation 1,25 mm  Material properties wire insulation 1,26 mm  Material properties wire insulation 1,25 mer  Material properties wire insulation 1,26 mm			
Additional condition temperature range depending on cable quality  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  Cable Identification 221 Cable Identification 27 Cable Identification 37 Cable Identification 38 Cable Identifica	<u> </u>		
Conformity           Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           Cable identification         221           Cable Type         2           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Traver sing distance (C-track)         5 m@ 25 °C   horizontal           Traver speed (C-track)         2 Mio. @ 25 °C           Cable weigth         32.01 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 (saket)         4,6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter insulation         ± 5 %           Shore hardness wire insulation         43 ± 5 Shore D           Material properties wire insulation         45 ± 5 Shore D           Material properties wire insulation         62 ±			
Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           Cable identification         221           Cable Type         2           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Travel speed (C-track)         2 Mio. @ 25 °C           Cable weigth         32.01 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)         4,6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         43 ± 5 Shore D           Material properties wire insulation         43 ± 5 Shore D           Material properties wire insulation         1,25 mm           Oute	Additional condition temperature range	depending on cable quality	
Cable identification 221 Cable identification 221 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Traversing distance (C-track) 5 m @ 25 °C   horizontal Travel speed (C-track) 2 Mio. @ 25 °C Cable weigth 32,01 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 (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter tolerance core insulation 1,25 mm Outer diameter tolerance core insulation 9 good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Material properties wire insulation 1 good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	Conformity		
Cable identification 221  Cable Type 2  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Traver sing distance (C-track) 5 m @ 25 °C   horizontal  Travel speed (C-track) 2 Mio. @ 25 °C  Cable weigth 32,01 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 %  Material wire insulation PVC  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Material properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	Product standard	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)	
Cable Type         2           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Travel speed (C-track)         2 Mio. @ 25 °C           Cable weigh         32,01 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)         4,6 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         43 ± 5 Shore D           Material properties wire insulation         lead-free, cadmium-free, CFC-free, silicone-free	Installation   Cable		
Jacket Color gray Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Travel speed (C-track) 2 Mio. @ 25 °C  Cable weigth 32,01 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) 4,6 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 good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	Cable identification	221	
Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Travel speed (C-track) 2 Mio. @ 25 °C  Cable weigth 32,01 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) 4,6 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 43 ± 5 Shore D  Material properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	Cable Type	2	
Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Travel speed (C-track)         2 Mio. @ 25 °C           Cable weigth         32,01 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)         4,6 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         43 ± 5 Shore D           Material properties wire insulation         lead-free, cadmium-free, CFC-free, silicone-free	Jacket Color	gray	
Stranding 4 wires twisted wire arrangement brown, black, blue, white Traversing distance (C-track) 5 m @ 25 °C   horizontal  Travel speed (C-track) 2 Mio. @ 25 °C  Cable weigth 32,01 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) 4,6 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 43 ± 5 Shore D  Material properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	Type of Certificate	cURus	
wire arrangement brown, black, blue, white Traversing distance (C-track) 5 m @ 25 °C   horizontal  Travel speed (C-track) 2 Mio. @ 25 °C  Cable weigth 32,01 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) 4,6 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 43 ± 5 Shore D  Material properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	Amount stranding	1	
Traversing distance (C-track) 5 m @ 25 °C   horizontal  Travel speed (C-track) 2 Mio. @ 25 °C  Cable weigth 32,01 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) 4,6 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 43 ± 5 Shore D  Material properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	Stranding	4 wires twisted	
Travel speed (C-track)  2 Mio. @ 25 °C  Cable weigth  32,01 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)  4,6 mm  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  PVC  Amount wires  4  Outer diameter insulation  1,25 mm  Outer diameter tolerance core insulation  43 ± 5 Shore D  Material properties wire insulation  Material properties wire insulation  Material properties wire insulation  Jead-free, cadmium-free, CFC-free, silicone-free	wire arrangement	brown, black, blue, white	
Cable weigth 32,01 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) 4,6 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 43 ± 5 Shore D  Material properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	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) 4,6 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 43 ± 5 Shore D  Material properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	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) 4,6 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 43 ± 5 Shore D  Material properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	Cable weigth	32,01 g/m	
Freedom from ingredients (jacket)  Quter-diameter (jacket)  4,6 mm  Tolerance outer diameter (sheath)  45 %  Material wire insulation  PVC  Amount wires  4  Quter diameter insulation  1,25 mm  Quter diameter tolerance core insulation  \$\frac{1}{2}5 \text{ mm}\$  Quter diameter tolerance core insulation  \$\frac{1}{2}5 \text{ mm}\$  And the standard of	Material jacket	PUR	
Outer-diameter (jacket) 4,6 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 43 ± 5 Shore D  Material properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	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 43 ± 5 Shore D  Material properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	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 43 ± 5 Shore D  Material properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	Outer-diameter (jacket)	4,6 mm	
Amount wires  4 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	Tolerance outer diameter (sheath)		
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	Material wire insulation	PVC	
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 wires	4	
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	Outer diameter insulation	· · · · · · · · · · · · · · · · · · ·	
Material properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	Outer diameter tolerance core insulation	±5%	
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	Shore hardness wire insulation	43 ± 5 Shore D	
	Material properties wire insulation	good machinability	
Amount strands (wire) 32	Ingredient freeness wire insulation		
	Amount strands (wire)	32	

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: 2024-05-03



Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,25 mm <sup>2</sup>
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	3,6 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	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	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	10 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter