

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

PUR 3x0.34 shielded bk UL/CSA+drag ch. 1m

M8 - M8, 3-pole

Male straight - female 90°

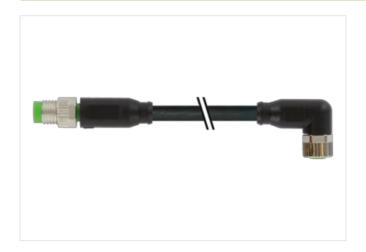
shielded

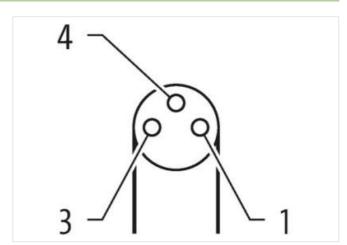
Plastic housings with good resistance against chemicals and oils.

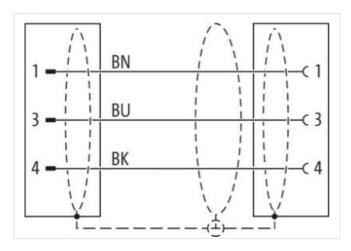
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

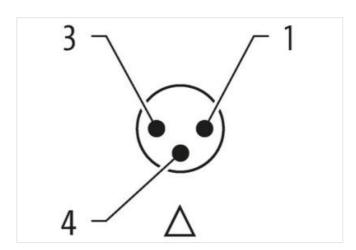
## **Link to Product**

## Illustration



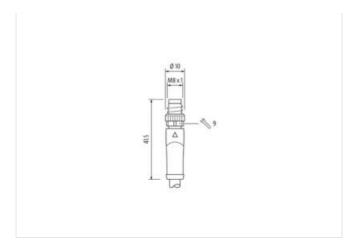


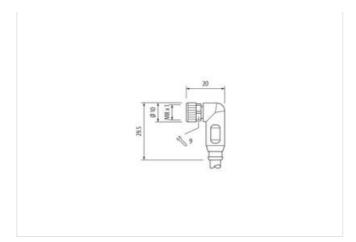






stay connected





Product may differ from Image





Cable length	1 m
Side 1	
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 Ø)	8,5 mm
Coding	A
Material contact	Copper alloy
No. of poles	3
Width across flats	SW9
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 Ø)	6,5 mm
Coding	A
Material contact	Copper alloy
No. of poles	3
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



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Mechanical data   Material data         Nickeled           Material posking         Nickeled           Material housing         PKM           Locking material         Zinc die-casting           Mechanical data   Mounting data           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Ciprating temperature min.         25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conformity           Product standard         DIN EN 61076-2-114 (M8)           Installation   Cable           Cable dentification         640           Cable Type         3           Jacket Color         black           Vipe of Certificate         cURus           Amount stranding         1           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         80 %           Banding         Fleece, Foli           wire arrangement         brown, black, blue           No. of bending cycles (C-track)         5 Mio. @ 25 °C           Cable weight         44 g/m           Materia	customs tariff number	85444290
Packaging unit         1           Electrical data (Suppy)           Operating voltage AC max.         50 V           Operating voltage AC (UL listed)         30 V           Operating voltage AC (UL listed)         30 V           Ourself operating per contact max.         4 A           Disposation         V           Disposation         V           Device partial per contact max.         4 A           Disposation         V           Device partial per contact max.         4 A           Disposation         V           Device partial per contact max.         4 A           Disposation         V           Device partial per contact max.         No.           Device partial per contact max.         PER.           Additional condition protection degree         reserted, screwed           Additional condition protection degree         3 Reserved.           Material partial per contact max.         No.           Coding partial protection         No.           Material partial per contact max.         PER           Coding partial per contact max.         PER           Coding partial per contact max.         PER           Coding partial per partial per contact max.         PER		
Electrical data   Supply         Sil V           Operating voltage AC max.         60 V           Operating voltage AC (UL-lated)         30 V           Operating voltage AC (UL-lated)         30 V           Current operating part contact max.         4 A           Diagnostics         Image: Company of Company of Cult-lated o		
Operating voltage AC max.         80 V           Operating voltage DC max.         80 V           Operating voltage AC UL sileatol         30 V           Operating voltage AC UL sileatol         30 V           Operating voltage CD (UL sileatol)         10 V           Outront operating per central max.         4 A           Diagnostics         V           Status indication LED         no           Device protection (E lectrical         Degree of protection (E lectrical           Degree of protection (E lectrical         1           Publishin Degree         3           Rated surge voltage         1,5 kV           Malerial group (IEC 60664+)         1           Malerial group (IEC 60664+)         1           Material group (IEC 60664+)         1           Material group (IEC 60664+)         7 KM           Material group (IEC 60664+)         7		
Operating voltage DC max.         60 V           Operating voltage DC (UL Island)         30 V           Operating voltage DC (UL Island)         30 V           Current operating per context max.         4 A           Description protection (Electrical)         Image: Common Protection (Electrical)           Degree of protection (Electrical)         Image: Common Protection (Electrical)           Degree of protection (Electrical)         Image: Common Protection (Electrical)           Bend Surge voltage (Electrical)         IPES, IPE		50 V
Operating vallage AC (UL slated)         30 V           Deparating vallage AC (UL slated)         30 V           Current operating per contact max.         4 A           Desposates         Status indication LED         no           Device protection [Enetrical         Depared of protection (RN IEC 66829)         IP65, IP67, IP68, IP66 (RN IEC 66829)           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Mechanical data (Insertial data)         Inserted, screwed           Conting Jocking         Nickeled           Material powering         PUR           Coding Jocking         Nickeled           Material Doubling         PUR           Locking material         Zero die casting           Muchanical data (Mounting data)         Purification des casting           Mechanical data (Mounting data)         Purification des casting           Environmental characteristics (Climitics)         Commonity           Coparating temperature min.         -25 °C           Coparating temperature min.         -25 °C           Coparating temperature min.         -26 °C           Coparating temperature min.         -26 °C           Cable destriction (Casting)		
Operating por Cytic-letter)         30 V           Current operating por contact max.         4 A           Displagnostics         ************************************		
Current operating per contact max.         4 A           Diagnostics         Control           Status indication LED         no           Device protection [Electrical]         Device protection [Electrical]           Degree of protection (EN IEC 68629)         IPES, IPE7, IPE8, IPE6K           Additional condition protein degree         3           Rated surge voltage         1,5 kW           Material group (IEC 6864-1)         I           Mechanical data Material data         INcluded           Material probabing         Nickeled           Material probabing         PUR           Locking material         Zimc de-casting           Mechanical data [Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Operating emperature max.         85 °C           Additional condition temperature max.         85 °C         Concentration           Controlity         Product standard         DIN EN 61076-2-114 (M8)           Installation   Cable         Cable identification         840           Cable identification   Cable         Cable identification         940           Cable identification   Capitact         URus         Capitact           Cable identification   Capitact         Dispendent of the capital introd		
Disposatios         Status inclasion LEO         no           Device protection [Electrical]         Device protection [Electrical]           Degree of protection (EN IEC 60529)         IP65, IP67, IP68, IP68K           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voitage         1,5 kV           Material group (IEC 60664-1)         I           Mechanical data Inserted data           Mechanical data Inserted data           Mechanical data Inserted data           Mechanical data Inserted data           Virial gasket         FMM           Mechanical data Inserted data           Virial gasket         FMM           Mechanical data Inserted data         Virial gasket           Mechanical data Inserted data Inserted, screwed, Shaking protection           Environmental characteristics [Climatic           Mechanical data Inserted data Inserted, screwed, Shaking protection           Environmental characteristics [Climatic           Conformity           Product andrea of screwed inserted data Inserted, screwed, Shaking protection           Conformity           Conformity <td></td> <td></td>		
Status indication LED         no           Device protection   Electrical           Degrae of protection (EN IEC 60229)         IP65, IP67, IP88, IP66K           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge vortage         1,5 kV           Macterial group (IEC 60684-1)         1           Mechanical data   Material data           Coating locking         Nickeled           Material pousing         PUR           Locking material         2 or de-easting           Mechanical data   Mounting data         VER           Environmental Characteristics   Climatic         VER           Environmental Characteristics   Climatic         S °C           Operating temperature min.         25 °C           Operating temperature min.         25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Environmental Characteristics   Climatic         Contormity           Product standard         DIN EN 61076-2-114 (M8)           Installation   Cable         Cable identification   Cable           Cable identification   Cable   Carlidate         440           Cable identification   Certificate		
Device protection   Electrical           Degree of protection (EN EC 60229)         IP65, IP67, IP68, IP66K           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge vortage         1,5 kV           Material group (IEC 60664.1)         I           Coating locking         Nickeled           Material gasket         FKM           Material gasket         FKM           Mechanical datal [Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Environmental characteristics   Climatic           Operating temperature min.         25 °C           Operating temperature range         depending on cable quality           Conformity         S °C           Product standard         DIN EN 61076-2-114 (M8)           Institution   Cable         S           Cable identification         640           Cable identification         640           Cable identification         640           Cable identification   S         S °C           Cable identification   S         S °C           Cable identification   S         S °C           Cable identificat		
Degree of protection (EN IEC 60329)         IP65, IP67, IP68, IP66K           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60684-1)         I           Coaing locking         Nickled           Material pasket         FKM           Material gasket         PVB           Locking material         Zinc die-casting           Mechanical data   Mounting data           Mounting method           Environmental characteristics   Climatic           Environmental characteristics   Climatic           Coperating temperature min.         25 °C           Operating temperature range         45 °C           Conformity         Product standard         DIN EN 61076 2-114 (M8)           Installation   Gable         640           Cable identification         640           Cable identification         40           Cable identification         90 W           Stranding         3 wires livisted           Cable shielking (pyp)         copper braid, timed           Cable shielking (pyp)         copper braid, timed           Cable shielking (pyp)         copper braid, timed		no
Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1, 5kV           Material group (IEC 60064+1)         I           Mechanical data [Material data         Nickoled           Material pasket         FKM           Material pasket         FKM           Material pasket         PUR           Locking material         2 incide-casting           Mechanical data [Mounting data         Wounting method           Inserted, screwed, Shaking protection         Inserted, screwed, Shaking protection           Environmental characteristics [Climatic         Operating temperature min.         25 °C           Operating temperature man.         85 °C           Additional condition temperature range         depending on cable quality           Contomity         Union No. 10 No. 1076-2-114 (M8)           Product standard         Din En 61076-2-114 (M8)           Cable identification         640           Cable identification         640 </td <td>Device protection   Electrical</td> <td></td>	Device protection   Electrical	
Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (E0 6084+1)         1           Mechanical data   Material data	Degree of protection (EN IEC 60529)	IP65, IP67, IP68, IP66K
Raterial group (IEC 60684-1)         1.5 kV           Material group (IEC 60684-1)         1           Mechanical data [Material data         V           Coaling locking         Nickeled           Material pasket         FKM           Material plousing         PUR           Locking material         Zinc die-casting           Mechanical data [Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics [Climatic         V           Coperating temperature min.         2.5 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conformity         V           Product standard         DIN En 61076-2-114 (M8)           Installation [Cable         40           Cable identification         640           Cable identification         640           Cable Type         3           Allocked Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wives twisted           Cable shielding (type)         copper braid, finned           Cable shielding (type)         copper braid, finned <t< td=""><td>Additional condition protection degree</td><td>inserted, screwed</td></t<>	Additional condition protection degree	inserted, screwed
Machaical data   Material data           Coating locking         Nickeled           Material pasket         FKM           Material housing         PUR           Locking material         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting data           Environmental characteristics   Climatic         Inserted, screwed, Shaking protection           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conformity         DIN EN 61076-2-114 (M8)           Installation   Cable         25 °C           Cable identification         640           Cable identification         640           Cable identification         93           Jacket Color         black           Type of Certificate         culRus           Amount stranding         1           Stranding         3 wires twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (type)         copper braid, tinned           Cable shielding (type)         coper braid, tinned           Cable weight         44 g/m           Material jacket         PUR		3
Mechanical data   Material data         Nickeled           Material pasket         FKM           Material pasket         PLM           Locking material         Zinc die-casting           Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         -25 °C           Operating temperature man.         35 °C           Additional condition temperature range         depending on cable quality           Conformiy         Froduct standard         DIN EN 61076-2-114 (M8)           Table identification         640           Cable Type         3           Jacket Color         black           Type of Cartificate         cURus           Amount stranding         1           Stranding         3 wires twisted           Cable shielding (coverage)         80 %           Banding         Fleece, Foil           wire arrangement         brown, black, blue           No. of bending cycles (C-track)         5 M. (@ 25 °C           Cable weight         44 g/m           Material jacket         PUR           Shore hardness jacket         PUR           Shore dameter (jack		1,5 kV
Coating locking         Nickeled           Material pasket         FKM           Material housing         PUR           Locking material         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Commonental characteristics   Climatic           Operating temperature min.         25 °C           Operating temperature max         85 °C           Additional condition temperature range         depending on cable quality           Condition         Installation   Cable           Cable identification   Cable         649           Cable identification   Cable         649           Cable identification   Carlificate         649           Cable identification   Carlificate         URBus           Amount stranding   1         1           Stranding   Since   Sin	Material group (IEC 60664-1)	1
Material gasket         FKM           Material housing         PUR           Locking material         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         Actional condition temperature range         depending on cable quality           Conformity         Product standard         DIN EN 61076-2-114 (M8)         DIN EN 61076-2-114 (M8)           Installation   Cable         Cable duntification         640         Cable study           Cable to Type         3         3         Actional condition and stranding         1         Amount stranding         1           Stranding         1         1         Amount stranding         1         Amount s	Mechanical data   Material data	
Material housing         PUR           Locking material         Zinc die-casting           Mechanical data   Mounting data         Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climator         Comperating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conformity         Product standard         DIN EN 61076-2-114 (M8)           Installation   Cable         Cable identification         640           Cable in Uppe         3         3           Jacket Color         black         1           Type of Certificate         cURus         4           Amount stranding         1         1           Stranding         3 wires twisted         3           Cable shielding (type)         cupper braid, tinned           Cable shielding (coverage)         80 %         4           Banding         Fleece, Foil         4           wire arrangement         brown, black, blue         5           No. of bending cycles (C-track)         5 Min. @ 25 °C           Cable weight         44 g/m           Material jacket         PUR           Sh	Coating locking	Nickeled
Locking material         Zinc die-casting           Mechanical data   Mounting data         Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         25 °C           Operating temperature min.         25 °C           Additional condition temperature range         depending on cable quality           Conformity         Product standard         DIN EN 61076-2-114 (M8)           Installation   Cable         40           Cable identification         640           Cable rype         3           Jacket Color         black           Type of Certificate         cUFus           Amount stranding         1           Stranding         3 wires twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         80 %           Banding         Fleece, Foil           wire arrangement         brown, black, blue           No. of bending cycles (C-track)         5 Mio. @ 25 °C           Cable weight         44 g/m           Material jacket         9U F           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         1 send free, cadmium-tree, CFC-free, halogen-free, silicone-free	Material gasket	FKM
Mechanical 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 61076-2-114 (M8)           Installation   Cable           Cable identification         640           Cable Type         3           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         80 %           Banding         Fleece, Foil           wire arrangement         brown, black, blue           No. of bending cycles (C-track)         5 Mio, @ 25 °C           Cable weight         44 g/m           Material jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         jead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         5 mm           Tolerance outer	Material housing	PUR
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Conformity  Product standard DIN EN 61076-2-114 (M8)  Installation   Cable  Cable identification 640  Cable Type 3  Jacket Color black  Type of Certificate cluranding 1  Stranding 3 wires twisted  Cable shielding (type) copper braid, tinned  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %  Banding Fiesce, Foil  wire arrangement brown, black, blue  No. of bending cycles (C-track) 5 Mio, @ 25 °C  Cable weight 44 g/m  Material jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3	Locking material	Zinc die-casting
Environmental characteristics   Climatic  Operating temperature min.	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 61076-2-114 (M8)           Installation   Cable           Cable Identification         640           Cable Itype         3           Jacket Color         black           Type of Certificate         cURtus           Amount stranding         1           Stranding         3 wires twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         80 %           Banding         Fleece, Foil           wire arrangement         brown, black, blue           No. of bending cycles (C-track)         5 Mio. @ 25° °C           Cable weight         44 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         5 mm           Outer-diameter (jacket)         5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP	Mounting method	inserted, screwed, Shaking protection
Operating temperature max. 85 °C Additional condition temperature range depending on cable quality  Conformity  Product standard DIN EN 61076-2-114 (M8)  Installation   Cable Cable identification 640 Cable Type 3 Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Fleece, Foil wire arrangement brown, black, blue No. of bending cycles (C-track) 5 Mio 25 °C Cable weigth 44 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 10 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3	Environmental characteristics   Climatic	
Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conformity         Product standard         DIN EN 61076-2-114 (M8)           Installation   Cable           Cable identification         640           Cable Type         3           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         80 %           Banding         Fleece, Foil           wire arrangement         brown, black, blue           No. of bending cycles (C-track)         5 Mio. @ 25 °C           Cable weigth         44 g/m           Material jacket         PUR           Shore A         Freedom from ingredients (jacket)         9 ± 5 Shore A           Freedom from ingredients (jacket)         5 mm           Toleirance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3	Operating temperature min.	-25 °C
Product standard DIN EN 61076-2-114 (M8)  Installation   Cable  Cable identification 640  Cable Type 3  Jacket Color black  Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foil  wire arrangement brown, black, blue  No. of bending cycles (C-track) 5 Mio. @ 25 °C  Cable weigth 44 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) 5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3	Operating temperature max.	85 °C
Product standard DIN EN 61076-2-114 (M8)    Installation   Cable	Additional condition temperature range	depending on cable quality
Cable identification 640 Cable Type 3 Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Fleece, Foil wire arrangement brown, black, blue No. of bending cycles (C-track) 5 Mio. @ 25 °C Cable weigth 44 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3	Conformity	
Cable identification 640 Cable Type 3 Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Fleece, Foil wire arrangement brown, black, blue No. of bending cycles (C-track) 5 Mio. @ 25 °C Cable weigth 44 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3	Product standard	DIN EN 61076-2-114 (M8)
Cable identification 640 Cable Type 3 Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Fleece, Foil wire arrangement brown, black, blue No. of bending cycles (C-track) 5 Mio. @ 25 °C Cable weigth 44 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3	Installation   Cable	
Cable Type 3 Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Fleece, Foil wire arrangement brown, black, blue No. of bending cycles (C-track) 5 Mio. @ 25 °C Cable weigth 44 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3		640
Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         80 %           Banding         Fleece, Foil           wire arrangement         brown, black, blue           No. of bending cycles (C-track)         5 Mio. @ 25 °C           Cable weigth         44 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3		
Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foil wire arrangement brown, black, blue  No. of bending cycles (C-track) 5 Mio. @ 25 °C  Cable weigth 44 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) ± 5 %  Material wire insulation PP  Amount wires 3		
Amount stranding 1 Stranding 3 wires twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Fleece, Foil wire arrangement brown, black, blue No. of bending cycles (C-track) 5 Mio. @ 25 °C Cable weigth 44 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3		
Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foil wire arrangement brown, black, blue  No. of bending cycles (C-track) 5 Mio. @ 25 °C  Cable weigth 44 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3		
Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foil wire arrangement brown, black, blue  No. of bending cycles (C-track) 5 Mio. @ 25 °C  Cable weigth 44 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3	Stranding	3 wires twisted
Cable shielding (coverage) 80 %  Banding Fleece, Foil wire arrangement brown, black, blue  No. of bending cycles (C-track) 5 Mio. @ 25 °C  Cable weigth 44 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3		
wire arrangement brown, black, blue  No. of bending cycles (C-track) 5 Mio. @ 25 °C  Cable weigth 44 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3	= 111 1	
No. of bending cycles (C-track) 5 Mio. @ 25 °C  Cable weigth 44 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3		Fleece, Foil
Cable weigth 44 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3	wire arrangement	brown, black, blue
Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3	No. of bending cycles (C-track)	5 Mio. @ 25 °C
Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3	Cable weigth	44 g/m
Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation  PP  Amount wires  1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  5 mm  2 5 %  PP  Amount wires  3	Material jacket	PUR
Outer-diameter (jacket) 5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 3	Outer-diameter (jacket)	5 mm
Amount wires 3	Tolerance outer diameter (sheath)	±5%
	Material wire insulation	PP
Outer diameter insulation 1,25 mm	Amount wires	3
	Outer diameter insulation	1,25 mm



Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	5 m @ 25 °C   horizontal
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
AC withstand voltage power (wire - shield)	2 kV @ 60 s
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)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 30 °/m