

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

PUR 5x0.34 bk UL/CSA+robot+drag ch. 20m

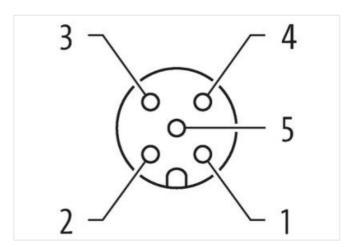
Male straight – female 90°
Zinc die casting, save-cover coated
M12 – M12, 5-pole
3× LED (PNP), (NPN) on request
Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request
Plastic housings with good resistance against chemicals and oils.

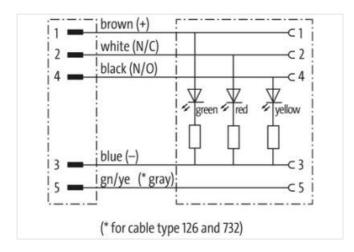
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

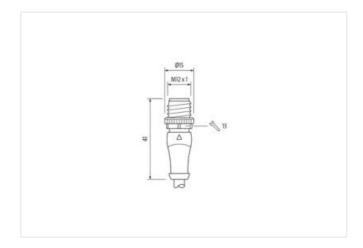
## **Link to Product**

## Illustration



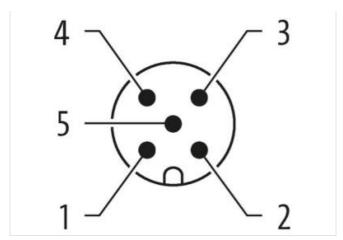


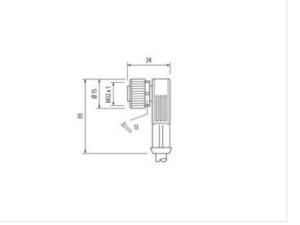






stay connected















Cable length	20 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
Cable outlet	straight
Coding	A
Material	PUR
No. of poles	5
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Cable outlet	angled
Coding	A
Material	PUR
No. of poles	5
Width across flats	SW13
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855

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: 2024-05-10



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STN   4048879508013   1   1   1   1   1   1   1   1   1	customs tariff number	85444290
Packaging unit		
Persing voltage D C min.		
Poperating voltage DC   24 V		
Operating voltage D C min.         18 Y           Operating voltage D C max.         30 V           Operating voltage D C max.         30 V           Operating voltage D C max.         4 A           Designating per contact max.         4 A           Device protection I Electrical         Status indication LED           Pollution Degree         3           Rade dauge voltage         0,8 AV           Motional condition protection degree         3           Rade dauge voltage         0,8 AV           Motional group (IEC 60064 1)         1           Nechanical data   Material data         Incide plated           Coating obtaing         safe-cover coated           Cataling of fitting         nickel plated           Locking material         Zinc die-casting           Material zerow connection         Zinc die-casting           Material Mounting attail         Inserted, screwed, Shaking protection           Environmental characterialize   Climate         Properating isamperature max.         25 °C           Operating temperature max.         25 °C         Controll prop		041/
Operating vallage DC max.         30 Y           Operating vallage DC max.         4 A           Diagnostice         4 A           Status indication LED         green, white, yellow           Device protection   Electrical         Device protection   Electrical           Additional condition protection degree         inserted, screwed           Follution Degree         3           Rared surge voltage         0,8 kV           Machanical data   Meterial data         Texture   Mechanical data   Meterial data           Michanical data   Meterial data         Inc. decasting           Machanical data   Meterial data         Zinc die casting           Michanical data   Meterial data         Zinc die casting           Michanical data   Mounting data         Zinc die casting           Michanical data   Mounting data         Zinc die casting           Michanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Circ die casting           Operating temperature mix.         25 °C           Operating temperature mix.         85 °C           Additional condition temperature max.         85 °C           Additional releft         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note		
Operating voltage DC max. UL-listed)         30 V           Current operating per contact max.         4 A           Disequentics         Status indication LED           Disequentics         green, white, yellow           Disequentics         Insafted, screwed           Additional contains protection degree         3           Rated auge voltage         0.8 kW           Material group (IEC 66664+1)         1           Mechanical data   Material data         1           Coating of titing         nickel plated           Locking material         Zinc dise casting           Material screw correction         Zinc dise casting           Mechanical data   Mounting data         Zinc dise casting           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Contracting temperature min.           Operating temperature min.         25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Volume on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable iss.           Note on berding radius         Attention: Observe the permissible bending radii when laying cables, as the IP		
Current operating per contact max.         4 A           Diagnostics           Status indication LED         green, white, yellow           Device protection   Electrical           Addition Degree         is and surge voltage         is and surge voltage         0.8 kV           Material group (IEC 60664-1)         I           Mechanical data   Material data           Coating of Itting         inckel plated           Looking material         Zinc die-casting           Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatio           Departing inemperature min.         25 °C           Operating temperature min.         25 °C           Operating temperature max.         85 °C           Additional controls to emperature may.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tess.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tess.           Note on bendring radius         Attention: Observe the permissible bend		
Disgroatics         Status indication LED         green, white, yellow           Device protection   Electrical         Additional condition protection degree         inserted, screwed           Additional condition protection degree         3         3           Rated surge voltage         0,8 kV           Material group (IEC 66684-1)         1           Mechanical data   Material data         Coaling boking         sale-cover coated           Coaling obding         sale-cover coated           Coaling obding         sale-cover coated           Coaling of string         nickle plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Environmental characteristies   Climatic         Cimaterial plate die screw connection           Product al properature min.         25 °C           Operating temperature mina.         25 °C           Additional condition temperature range         depending on cable quality           Important installation notice         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.		
Status indication LED         green, white, yellow           Device protection   Electrical           Additional condition protection degree         3           Rated surge voltage         0.8 kV           Material group (IEC 60664+1)         1           Mechanical data   Material data   Material data   Material group (IEC 60664+1)         1           Coating Obtaing         safe-cover coated           Coating Obtaing         safe-cover coated           Coating Obtaing         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting data           Mechanical data   Mounting data         Since   Si		4 A
Device protection   Electrical   Inserted, screwed	Diagnostics	
Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge vuiltage         0.8 kV           Material group (IEC 60864.1)         1           Mechanical data Meterial data           Coasing Octobing         nickel plated           Locking material         2inc die casting           Material screw connection         Zinc die casting           Mechanical data Mounting data           Mounting method           Environmental characteristics [ Climatic           Environmental characteristics [ Climatic           Environmental characteristics [ Climatic           Coperating temperature minx.         25 °C           Operating temperature minx.         35 °C           Additional condition temperature range         depending on cable quality           Important installation notes         ***           Not on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.           Not on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endanged by excessive bending forces.           Cottomity         Product the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.           Cable diverti	Status indication LED	green, white, yellow
Pollution Degree         3           Rated surge voitage         0,8 kV           Material group (EC 60684-1)         1           Mechanical data   Material data	Device protection   Electrical	
Rated surge voltage         0,8 kV           Material group (EC 60664-1)         1           Mechanical data   Material data         Safe cover coated           Coating of litting         nickel plated           Locking material         Zinc die-casting           Material strew connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method           Inspect of part of the properties of proper	Additional condition protection degree	inserted, screwed
Material group (IEC 60864-1)   I  Mechanical data   Material data  Coating locking   safe-cover coated  Coating lofithing   nickel plated  Locking material   Zinc die-casting  Material screw connection   Zinc die-casting  Mechanical data   Mounting data  Service   Mounting   Mounting    Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fies.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Froduct standard   Din En 61076-2-101 (M12)  Installation   Cable  Cable (dentification   655  Cable (antification   6	Pollution Degree	3
Mechanical data   Material data         safe-cover coated           Coating locking         safe-cover coated           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting method           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         25 °C           Operating temperature max.         85 °C         Additional condition temperature range         depending on cable quality           Important installation notes         Though a start relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         Cable forentification         655           Cable identification         655           Cable identification         655           Cable (dentification)         5 sicket Color           Type of Certificate         cURus           Am	Rated surge voltage	0,8 kV
Coating locking safe cover coated Coating of fitting nickel plated Locking material Zinc die casting Material screw connection Zinc die casting Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C Operating temperature min25 °C Operating temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DilN EN 61076-2-101 (M12)  Installation   Cable  Cable identification   655  Cable Type   5  Jacket Color   black Type of Carlificate   cURus  Amount stranding   1  Stranding   5 wires around Core filler twisted Filler   yes wire arrangement   brown, black, blue, white, green-yellow Traversing distance (C-track)   5 m @ 25 °C   horizontal  Cable weight   41,8 g/m  Material jacket   PUR  Shore hardness jacket   58 ± 3 Shore D  Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free   Slicone-free  Outer-diameter (jacket)   5 m m  Tolerance outer diameter (sheath)   ± 5 °S  Material wire insulation   FP	Material group (IEC 60664-1)	I
Coating of fitting nickel plated Locking material Zinc die-casting Material screw connection Zinc die-casting  Mechanical date   Mounting date  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min. 25 °C  Operating temperature max. 85 °C  Additional condition temperature max depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard Din Note 1076-2-101 (M12)  Installation   Cable  Cable identification 655  Cable Type 5  Jacket Color black  Type of Certificate cURus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Filler yes  Were arrangement brown, black, blue, white, green-yellow  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Cable weight 41,8 g/m  Material jacket PUR  Shore hardness jacket 58 ± 3 Shore D  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 5 mm  Material wire insulation PP	Mechanical data   Material data	
Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical datal [Mounting data]         Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         -25 °C           Operating temperature max.         85 °C         Additional condition temperature range         depending on cable quality           Important installation notes         Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         Endangered by excessive bending forces.           Cable identification         655           Cable identification         655 <t< td=""><td>Coating locking</td><td>safe-cover coated</td></t<>	Coating locking	safe-cover coated
Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature man. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Atention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Contormity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable    Cable (dentification 655    Cable Type 5    Jacket Color black  Type of Certificate cluring    Jacket Color black  Amount stranding 1    Stranding 5 wires around Core filler twisted  Filler yes  wire arrangement brown, black, blue, white, green-yellow  Traversing distance (C-track) 5 m. black, blue, white, green-yellow  Material jacket PUR  Shore hardness jacket 58 ± 3 Shore D  Freedom from ingredients (jacket) 5 mm  Material jacket (sheath) ± 5 %  Material wire insulation PP	Coating of fitting	nickel plated
Mechanical data   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  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  Cable identification 655  Cable Type 5  Sabdet Color black Type of Certificate cURus Amount stranding 1  Stranding 5 wires around Core filler twisted  Filler yes wire arrangement brown, black, blue, white, green-yellow  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Cable weigh 41,8 g/m  Material jacket PUR  Shore hardness jacket PUR  Shore hardness jacket) 5 sm  Televance under wire lake the purchased of	Locking material	Zinc die-casting
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min.	Material screw connection	Zinc die-casting
Environmental characteristics   Climatic  Operating temperature min.  -25 °C  Operating temperature max.  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  Cable Identification 655  Cable Type 5  Jacket Color black  Type of Certificate cURus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Filler yes  wire arrangement brown, black, blue, white, green-yellow  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Cable weight 41,8 g/m  Material jacket PUR  Shore hardness jacket 58 ± 3 Shore D  Freedom from ingredients ([acket) 5 m m  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation process.	Mechanical data   Mounting data	
Operating temperature min.  -25 °C Operating temperature max.  85 °C Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable Cable identification 655 Cable Type 5 Jacket Color black Type of Certificate cURus  Amount stranding 1 Stranding 5 wires around Core filler twisted Filler yes wire arrangement brown, black, blue, white, green-yellow  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Cable weigth 41,8 g/m  Material jacket PUR  Shore hardness jacket PUR  Freedom from ingredients (jacket) [sacket] Colter-diameter (jacket) 5 m m Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP	Mounting method	inserted, screwed, Shaking protection
Operating temperature max.  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  Cable identification 655  Cable Type 5  Jacket Color black Type of Certificate cURus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Filler yes  wire arrangement brown, black, blue, white, green-yellow  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Cable weigth 41,8 g/m  Material jacket PUR  Shore hardness jacket 58 ± 3 Shore D  Freedom from ingredients (jacket) 125 °C  Tolarance outer diameter (sheath) ± 5 %  Material wire insulation PP	Environmental characteristics   Climatic	
Operating temperature max. 85 °C Additional condition temperature range depending on cable quality  important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  Cable identification 655  Cable Type 5  Jacket Color black Type of Certificate cURus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Filler yes  wire arrangement brown, black, blue, white, green-yellow  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Cable weigth 41,8 g/m  Material jacket PUR  Shore hardness jacket 58 ± 3 Shore D  Freedom from ingredients (jacket) [sack]  Colter-diameter (jacket) ± 5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP	Operating temperature min.	-25 °C
Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  Cable identification 655  Cable Type 5  Jacket Color black Type of Certificate cURus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Filler yes wire arrangement brown, black, blue, white, green-yellow  Traversing distance (C-track) 5 m@ 25 °C   horizontal  Cable weigth 41,8 g/m  Material jacket PUR  Shore hardness jacket PUR  Treedom 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		85 °C
Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  Cable identification 655  Cable Type 5  Jacket Color black Type of Certificate cURus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Filler yes wire arrangement brown, black, blue, white, green-yellow  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Cable weigth 41,8 g/m  Material jacket PUR  Shore hardness jacket 58 ± 3 Shore D  Freedom from ingredients (jacket) 5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP		depending on cable quality
Note on bending radius       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         Conformity         Product standard       DIN EN 61076-2-101 (M12)         Installation   Cable         Cable identification       655         Cable Type       5         Jacket Color       black         Type of Certificate       cURus         Amount stranding       1         Stranding       5 wires around Core filler twisted         Filler       yes         wire arrangement       brown, black, blue, white, green-yellow         Traversing distance (C-track)       5 m @ 25 °C   horizontal         Cable weigth       41,8 g/m         Material jacket       PUR         Shore hardness jacket       58 ± 3 Shore D         Freedom from ingredients (jacket)       1 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PP	Important installation notes	
Note on bending radius       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         Conformity         Product standard       DIN EN 61076-2-101 (M12)         Installation   Cable         Cable identification       655         Cable Type       5         Jacket Color       black         Type of Certificate       cURus         Amount stranding       1         Stranding       5 wires around Core filler twisted         Filler       yes         wire arrangement       brown, black, blue, white, green-yellow         Traversing distance (C-track)       5 m @ 25 °C   horizontal         Cable weigth       41,8 g/m         Material jacket       PUR         Shore hardness jacket       58 ± 3 Shore D         Freedom from ingredients (jacket)       1 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PP	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  Cable identification 655  Cable Type 5  Jacket Color black Type of Certificate cURus  Amount stranding 1 Stranding 5 wires around Core filler twisted  Filler yes wire arrangement brown, black, blue, white, green-yellow  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Cable weigth 41,8 g/m  Material jacket PUR  Shore hardness jacket 58 ± 3 Shore D  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	Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Installation   Cable         Cable identification       655         Cable Type       5         Jacket Color       black         Type of Certificate       cURus         Amount stranding       1         Stranding       5 wires around Core filler twisted         Filler       yes         wire arrangement       brown, black, blue, white, green-yellow         Traversing distance (C-track)       5 m @ 25 °C   horizontal         Cable weigth       41,8 g/m         Material jacket       PUR         Shore hardness jacket       58 ± 3 Shore D         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	Conformity	
Installation   Cable         Cable identification       655         Cable Type       5         Jacket Color       black         Type of Certificate       cURus         Amount stranding       1         Stranding       5 wires around Core filler twisted         Filler       yes         wire arrangement       brown, black, blue, white, green-yellow         Traversing distance (C-track)       5 m @ 25 °C   horizontal         Cable weigth       41,8 g/m         Material jacket       PUR         Shore hardness jacket       58 ± 3 Shore D         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	Product standard	DIN EN 61076-2-101 (M12)
Cable Identification 655 Cable Type 5 Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 5 wires around Core filler twisted Filler yes wire arrangement brown, black, blue, white, green-yellow Traversing distance (C-track) 5 m @ 25 °C   horizontal Cable weigth 41,8 g/m Material jacket PUR Shore hardness jacket 58 ± 3 Shore D 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		
Cable Type       5         Jacket Color       black         Type of Certificate       cURus         Amount stranding       1         Stranding       5 wires around Core filler twisted         Filler       yes         wire arrangement       brown, black, blue, white, green-yellow         Traversing distance (C-track)       5 m@ 25 °C   horizontal         Cable weigth       41,8 g/m         Material jacket       PUR         Shore hardness jacket       58 ± 3 Shore D         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	•	222
Jacket Color black Type of Certificate cURus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Filler yes wire arrangement brown, black, blue, white, green-yellow  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Cable weigth 41,8 g/m  Material jacket PUR  Shore hardness jacket 58 ± 3 Shore D  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		
Type of Certificate cURus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Filler yes wire arrangement brown, black, blue, white, green-yellow  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Cable weigth 41,8 g/m  Material jacket PUR  Shore hardness jacket 58 ± 3 Shore D  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 stranding 1 Stranding 5 wires around Core filler twisted  Filler yes wire arrangement brown, black, blue, white, green-yellow  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Cable weigth 41,8 g/m  Material jacket PUR  Shore hardness jacket 58 ± 3 Shore D  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		
Stranding 5 wires around Core filler twisted  Filler yes wire arrangement brown, black, blue, white, green-yellow  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Cable weigth 41,8 g/m  Material jacket PUR  Shore hardness jacket 58 ± 3 Shore D  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		
Filler yes wire arrangement brown, black, blue, white, green-yellow  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Cable weigth 41,8 g/m  Material jacket PUR  Shore hardness jacket 58 ± 3 Shore D  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		
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Cable weigth 41,8 g/m  Material jacket PUR  Shore hardness jacket 58 ± 3 Shore D  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	Traversing distance (C-track)	
Shore hardness jacket 58 ± 3 Shore D  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		41,8 g/m
Shore hardness jacket 58 ± 3 Shore D  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	Material jacket	PUR
Freedom from ingredients (jacket)  Outer-diameter (jacket)  5 mm  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  PP		58 ± 3 Shore D
Outer-diameter (jacket)     5 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP		
Material wire insulation PP		
Material wire insulation PP	Tolerance outer diameter (sheath)	±5%
Amount wires 5	Material wire insulation	PP
	Amount wires	5

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: 2024-05-10



Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	74 ± 3 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
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	60 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2,5 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	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min