

## M12 male 0° / M12 female 0° A-cod.

PVC 5x0.34 bk UL/CSA 3.5m

Male straight – female straight M12 – M12, 5-pole

A-coded

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

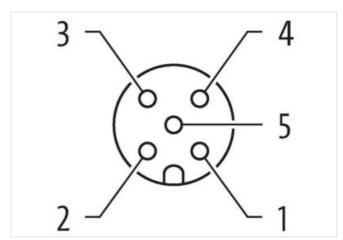
Plastic housings with good resistance against chemicals and oils.

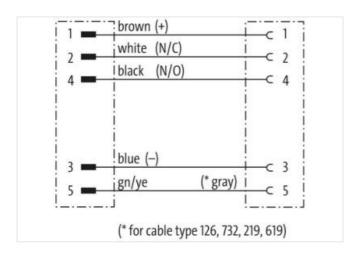
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

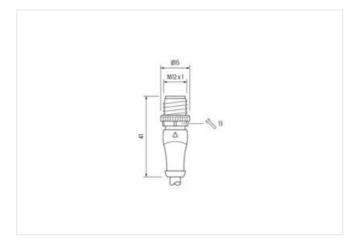
## **Link to Product**

## Illustration



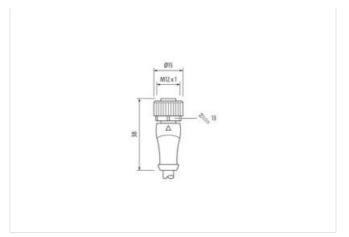


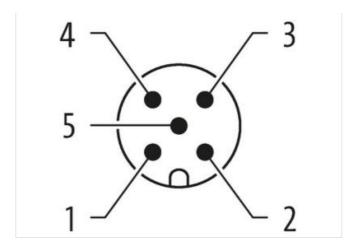






stay connected





Product may differ from Image













Cable length	3,5 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	straight
Coding	A
Material	PUR
No. of poles	5
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
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



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Packaging unit         1           Electrical data   Supply         125 V           Operating voltage AC max.         125 V           Operating voltage AC max.         125 V           Operating voltage AC max.         125 V           Operating voltage AC (UL slated)         30 V           Operating voltage AC (UL slated)         30 V           Current operating per contact max.         4 A           Installation   Connection         WILL X           Device protection   Electrical         WILL X           Degree of protection   Electrical </th <th>ECLASS-12.0</th> <th>27060311</th>	ECLASS-12.0	27060311
customs tariff number         85444290           GTN         4048973903842           Fackinging unt         1           Electrical data [Supply         125 V           Operating voltage AC max.         125 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Oursell coverating per contact max.         4 A           Installation I Connection         MIZ x 1           Device protection [Electrical         Web Protection (EM IEC 60529)           PSD, IPPS, IPPS, IPPS, IPPS, IPPS (PSD)         PSD, IPPS, IPPS, IPPS (PSD)           Relead surge voltage AC (UL-listed)         MIZ x 1           Device protection [Electrical         Web Protection (EM IEC 60529)         IPPS, IPPS, IPPS, IPPS (PSD)           Begins of protection (EM IEC 60529)         IPPS, IPPS, IPPS (PSD)         IPPS (PSD)           Begins of protection (EM IEC 60529)         IPPS, IPPS, IPPS (PSD)         IPPS (PSD)           Metal and unique voltage AC (PSD)         IPPS, IPPS, IPPS (PSD)         IPPS (PSD)           Metal and unique voltage AC (PSD)         IPPS, IPPS, IPPS (PSD)         IPPS (PSD)           Metal and unique voltage AC (PSD)         IPPS, IPPS, IPPS (PSD)         IPPS (PSD)           Contamp (CSD)         IPPS (PSD)         IPPS (PSD)         <		****
Carbon	customs tariff number	85444290
Perceitrical data   Supply	GTIN	4048879308342
Perceitrical data   Supply	Packaging unit	
Operating voltage AC max.         125 V           Operating voltage DC max.         125 V           Operating voltage DC (UL-sleed)         30 V           Operating voltage DC (UL-sleed)         30 V           Operating voltage DC (UL-sleed)         30 V           Current operating per contact max.         4 A           Installation [Commodion         Mursilation [Commodion           Mounting set         Mt2 X I           Device protection [Electrical         Device protection [Electrical           Degree of protection protection dependent of protection degree inserted, screwed         Final Protection [Electrical           Degree of protection [Electrical         15 V           Additional condition protection degree         15 V           Additional condition protection degree         15 V           Material group (EC 60664-1)         1           McChanical data [Minterial data         15 V           McChanical data [Minterial data         2 Inc. disc casting           McChanical data [Minterial data         2 Inc. disc casting           McInterial group (EC 60664-1)         2 Inc. disc casti		
Operating voltage DC max         125 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         Mounting set         M12 x 1           Device protection   Electrical         Power operating per contact on EN IEC 605299         IP65, IP67, IP66K           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Failed surge voltage         1,5 kV           Material group (IEC 60664-1)         I           Mechanical data   Material data         Coating bloking           Coating of fitting         nickel plated           Locking material         Zinc die casting           Mechanical data   Mounting data         Mounting method           Mechanical data   Mounting data         Mounting method           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating language protection           Poperating language and coation temperature max.         45° C           Operating language and coation temperature max.         45° C           Operating language and coation temperature range dependence of the coating forces.		125 V
Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Operating part of more content was a second or second part of the content of the Conte		
Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         Installation   Connection   C		
Current operating per contact max.  Installation   Connection  Mounting set   M12 x 1  Device protection   Electrical  Degree of protection (EN IEC 60528)   IP65, IP67, IP66K   Additional condition protection degree   inserted, screwed   Pollution Degree   3  Rated surge voltage   1.5 kV   Material group (IEC 6064+1)   I  Mechanical data   Material data  Coating locking   Nickeled   Coating locking   Nickeled   Coating locking   Nickeled   I  Mechanical data   Munting ata   Munting andread   Zinc die-casting   Mechanical data   Munting data   Munting method   inserted, screwed, Shaking protection  Environmental characteristics   Climatic   Coperating temperature max.   25 °C   Additional condition temperature range   depending on cable quality   Important insiallation notes   Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Conformity   Product standard   Din N E 1076-2-101 (M12)   Installation   Cable   Cable dentification   Si wires around Core filler twisted   Filler   ye   Wire arrangement   Din N E 1076-2-101 (M12)   Stranding   Si wires around Core filler twisted   Filler   ye   Wire arrangement   Din N E 1076-2-101 (M12)   Stranding   Si wires around Core filler twisted   Filler   ye   Wire arrangement   Din N E 1076-2-101 (M12)   Done delangement   Din N E 1076-2-101 (M12)   Done delangement   Din N E 1076-2-101 (M12)   Done delangement   Din N E 1076-2-101 (M12)		
Installation   Connection         Muruing set         M12 x 1           Device protection   Electrical         Device protection (EN IEC 00029)         IP65, IP67, IP66K           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge vortage         1.5 kV           Machanical data   Material data         Machanical data   Material data           Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Metarial screw cornection         Zinc die-casting           Metarial at   Mounting data         Justice die casting           Metarial screw cornection         Zinc die-casting           Mounting method         Si °C           Cornecting temperature min.         25 °C           Operating temperature min.         25 °C           Addition		
Mounting set M12 x 1  Pevice protection   Electrical  Degree of protection (EN IEC 60529)   IP65, IP67, IP66K  Addisional condition protection degree   IR65, IP67, IP66K  Addisional condition protection degree   IR65, IP67, IP66K  Addisional condition protection degree   IR66, IR67, IP66K  Addisional condition protection degree   IR66, IR67, IP66K  Addisional condition protection degree   IR66, IR67, IP66K  Methanical data   Material data  Coating of litting   IR66, IR67, IR66, IR67, IR66, IR67, IR66, IR67, IR66, IR67, IR66, IR67, IR6		
Degree of protection   Electrical  Degree of protection (EN IEC 80529)   IP65, IP67, IP66K   IP67, IP67, IP66K   IP67, IP67, IP66K   IP67,		M12 v 1
Degree of protection (EN IEC 60529) IP65, IP67, IP66K Additional condition protection degree inserted, screwed Pollution Degree 3 Pollution Degree 1,5 kV Material group (IEC 60664-1) I  Mechanical data   Material data Coating locking Nickeled Coating locking naterial protection incide plated Locking material plate protection incide plated Locking material plate protection incide plated Locking material plate protection incide plated Locking transportation plate plated plated Locking transportation plate plated plated Locking transportation plated plated Locking transportation plated plated Locking transportation plated plated Locking transportation plated pla		IVII 2 A I
Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60664-1) I Mechanical data   Material date Coating locking Nickeled Coating locking nickel pated Locking material Zinc die-casting Material screw connection Zinc die-casting Mechanical data   Munting date 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 reliel 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 Se 615 Gable Type 1 1 2 Jackel Cobr black Installation   Cable Cable identification   5 sives around Core filler twisted   Filler yes June of Certificate		
Pollution Degree 3 Rated surpe voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled  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 min. 25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  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   615  Cable Type   1  Lacked Color   black  Type of Certificate   cURus  Annount stranding   1  Stranding   5 wires around Core filler twisted  Filler   yes  wire arrangement   brown, black, blue, white, green-yeillow  Cable weight   48,4 g/m  Material jacket   Next   Sz min    Material jacket   Next   Next   Next   Next    Material jacket   Next   Next   Next   Next    Material jacket   Next   Next   Next   Next   Next    Material jacket   Next   Next   Next   Next   Next    Material jacket   N		
Rated surge voltage 1,5 kV Material group (IEC 60664-1) I Mechanical data   Material data Coating locking Nickeled Coating of fitting nickel plated Locking material Zinc dise-asting Material screw connection Zinc dise-asting Methanical data   Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min. 25 °C Operating temperature max. 85 °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 In 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		· · · · · · · · · · · · · · · · · · ·
Mechanical data   Material data Coating locking Nickeled Coating of litting 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 max. 85 °C Additional condition temperature rape 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   615 Cable Type   1 Lackel 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 Cable weigh   48,4 gm Material jacket   PVC Shore hardness jacket   85 ± 5 Shore A Freedom from ingredients (jacket)   5,2 mm		
Mechanical data   Material data         Nickeled           Coating locking         Nickeled           Coating of fitting         nickel plated           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         Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature range         depending on cable quality           Important installation notes         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         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         615           Cable identification         615           Cable identification         615           Cable identification		1,5 KV
Coating locking         Nickeled           Coating of fitting         nickel plated           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 min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature reage         depending on cable quality           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           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         615           Cable identification         615         Cable identification         615           Cable identification         615         Cable identification         615		1
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 max. 85 °C Additional condition temperature range depoting 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 615  Cable Type 1 1  Jacket Color black  Type of Certificate cURus  Amount stranding 1 1  Stranding 5 wires around Core filler twisted  Filler yes  Were arrangement brown, black, blue, white, green-yellow  Cable weigth 48,4 g/m  Material jacket PVC  Shore hardness jacket PSC  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 5,2 mm	Mechanical data   Material data	
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 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 615  Cable Type 1 1  Jacket Color black  Type of Certificate cURus  Amount stranding 1 1  Stranding 5 wires around Core filler twisted  Fieller yes  wire arrangement brown, black, blue, white, green-yellow  Cable weigth 48.4 g/m  Material jacket PVC  Shore hardness jacket 85.5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 5.2 mm	Coating locking	Nickeled
Material screw connection         Zinc die-casting           Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           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         615           Cable identification         615         Cable identification           Cable Type         1         Jacket Color           Jacket Color         black           Fyling         5 wires around Core filler twisted           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weigth <td>Coating of fitting</td> <td>nickel plated</td>	Coating of fitting	nickel plated
Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           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         BIN EN 61076-2-101 (M12)           Installation   Cable         Cable identification         615           Cable identification         615         Cable identification         615           Cable Type of Certificate         cURus         Amount stranding         1           Stranding         1         Stranding         5 wires around Core filler twisted           Filler         yes         wire arrangement         brown, black, blue, white, green-yellow           Cable weigth         48,4 g/m         Material jacket		
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 615  Cable Type 1  Jacket Color black  Amount stranding 1  Stranding 5 wires around Core filler twisted  Filler yes  wire arrangement brown, black, blue, white, green-yellow  Cable weigth 48.4 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 5,2 mm	Material screw connection	Zinc die-casting
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 615  Cable Type 1  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  Cable weigth 48,4 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 5,2 mm	Mechanical data   Mounting data	
Operating temperature min. 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.  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 615  Cable Type 1 1 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  Cable weight 48,4 g/m  Attention: OFC-free, silicone-free  Outer-diameter (jacket) 5,2 mm	Mounting method	inserted, screwed, Shaking protection
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 615  Cable Type 1 1  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  Cable weight 48,4 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) 5,2 mm	Environmental characteristics   Climatic	
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 615  Cable type 1  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  Cable weight 48,4 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) [ead-free, cadmium-free, CFC-free, silicone-free]  Outer-diameter (jacket) 5,2 mm	Operating temperature min.	-25 °C
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 615  Cable Type 1  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  Cable weigth 48,4 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 5,2 mm	Operating temperature max.	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 615  Cable Type 1  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  Cable weigth 48,4 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) [ead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 5,2 mm	Additional condition temperature range	depending on cable quality
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 615  Cable Type 1  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  Cable weigth 48,4 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) 1,2 mm	Important installation notes	
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 615  Cable Type 1  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  Cable weigth 48,4 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) 5,2 mm	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 615  Cable Type 1 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  Cable weigth 48,4 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) 19,4 mm.  DIN EN 61076-2-101 (M12)  615  615  615  615  615  615  615  61	Note on bending radius	
Cable identification 615 Cable Type 1 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 Cable weigth 48,4 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) 19,2 mm  Filler (acket) 5,2 mm	Conformity	
Cable identification 615  Cable Type 1  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  Cable weigth 48,4 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) 5,2 mm	Product standard	DIN EN 61076-2-101 (M12)
Cable identification 615  Cable Type 1  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  Cable weigth 48,4 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) 5,2 mm	Installation   Cable	
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  Cable weigth 48,4 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 5,2 mm	Cable identification	615
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  Cable weigth 48,4 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 5,2 mm	Cable Type	1
Amount stranding  Stranding  5 wires around Core filler twisted  Filler  yes  wire arrangement  brown, black, blue, white, green-yellow  Cable weigth  48,4 g/m  Material jacket  PVC  Shore hardness jacket  85 ± 5 Shore A  Freedom from ingredients (jacket)  lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket)  5,2 mm		black
Stranding 5 wires around Core filler twisted  Filler yes wire arrangement brown, black, blue, white, green-yellow  Cable weigth 48,4 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 5,2 mm	Type of Certificate	cURus
Filler yes wire arrangement brown, black, blue, white, green-yellow Cable weigth 48,4 g/m  Material jacket PVC Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5,2 mm	Amount stranding	1
wire arrangement brown, black, blue, white, green-yellow  Cable weigth 48,4 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 5,2 mm	Stranding	5 wires around Core filler twisted
Cable weigth 48,4 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 5,2 mm	Filler	yes
Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5,2 mm	wire arrangement	brown, black, blue, white, green-yellow
Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 5,2 mm	Cable weigth	48,4 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 5,2 mm	Material jacket	PVC
Outer-diameter (jacket) 5,2 mm	Shore hardness jacket	85 ± 5 Shore A
	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Tolerance outer diameter (sheath) ± 5 %	0	5.2 mm



## stay connected

Material wire insulation	PVC
Amount wires	5
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	45 ± 5 Shore D
Material properties wire insulation	good machinability
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Amount strands (wire)	19
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
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	57 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
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	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter