

## M12 male 0° / M12 female 0° A-cod.

PUR 4x0.34 gy UL/CSA+robot+drag ch. 0.5m

Male straight - female straight

M12 - M12, 4-pole

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

Plastic housings with good resistance against chemicals and oils.

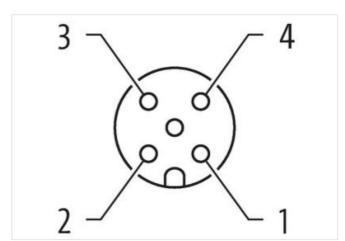
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

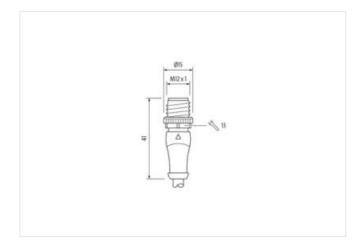
## **Link to Product**

## Illustration





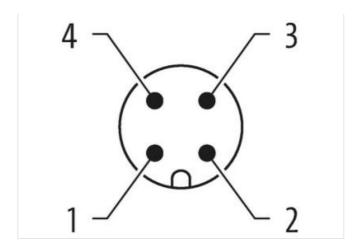






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Product may differ from Image













Mounting method         inserted, screwed           Family construction form         M12           Thread         M12 x 1           suitable for corrugated tube (internal Ø)         10 mm           Coding         A           Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2         ************************************	Cable length	0,5 m
Mounting method   Inserted, screwed	Side 1	
Family construction form         M12           Thread         M12 x 1           suitable for corrugated tube (internal Ø)         10 mm           Coding         A           Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         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           Coding         A           Material         PUR           Width across flats         SW13           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27060311           ECLASS-1.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311	Tightening torque	0,6 Nm
M12 x 1	Mounting method	inserted, screwed
suitable for corrugated tube (internal Ø)         10 mm           Coding         A           Material         PUR           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           Coding         A           Material         PUR           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-12.0         27060311           ECLASS-12.0         EC001855           customs tariff number         85444290	Family construction form	M12
Coding         A           Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2           Image:	Thread	M12 x 1
Material         PUR           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           Coding         A           Material         PUR           Width across flats         SW13           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290	suitable for corrugated tube (internal Ø)	10 mm
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           Coding         A           Material         PUR           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           customs tariff number         85444290	Coding	A
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           Coding         A           Material         PUR           Width across flats         SW13           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27760311           ECLASS-9.0         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290	Material	PUR
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           Coding         A           Material         PUR           Width across flats         SW13           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         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           ECLASS-12.0         27060311           ECLASS-10.1         27060311           ECLASS-10.2         27060311           ECLASS-10.3         27060311           ECLASS-10.4         27060311           ECLASS-10.5         25000000000000000000000000000000000000	Width across flats	SW13
Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Family construction form         M12           Thread         M12 x 1           suitable for corrugated tube (internal Ø)         10 mm           Coding         A           Material         PUR           Width across flats         SW13           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           ECLASS-12.0         27060311           ECLASS-10.1         27060311           ECLASS-10.2         27060311           ECLASS-10.3         27060311           ECLASS-12.0         27060311           ECLASS-12.0         E001855           Countries for internal Ø)         85444290	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Mounting method         inserted, screwed           Family construction form         M12           Thread         M12 x 1           suitable for corrugated tube (internal Ø)         10 mm           Coding         A           Material         PUR           Width across flats         SW13           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           ECLASS-12.0         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060315           ETIM-5.0         EC001855           customs tariff number         85444290	Side 2	
Family construction form M12  Thread M12 x 1  suitable for corrugated tube (internal Ø) 10 mm  Coding A  Material PUR  Width across flats SW13  Commercial data  ECLASS-6.0 27279218  ECLASS-7.0 27279218  ECLASS-8.0 27279218  ECLASS-9.0 27279218  ECLASS-9.0 27060311  ECLASS-11.1 27060311  ECLASS-11.1 27060311  ECLASS-12.0 27060311	Tightening torque	0,6 Nm
Thread       M12 x 1         suitable for corrugated tube (internal Ø)       10 mm         Coding       A         Material       PUR         Width across flats       SW13         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         ECLASS-12.0       27060311         ETIM-5.0       EC001855         customs tariff number       85444290	Mounting method	inserted, screwed
suitable for corrugated tube (internal ∅) 10 mm  Coding A  Material PUR  Width across flats SW13  Commercial data  ECLASS-6.0 27279218  ECLASS-6.1 27279218  ECLASS-7.0 27279218  ECLASS-8.0 27279218  ECLASS-9.0 27279218  ECLASS-9.0 27060311  ECLASS-10.1 27060311  ECLASS-11.1 27060311  ECLASS-12.0 27060311	Family construction form	M12
Coding         A           Material         PUR           Width across flats         SW13           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290	Thread	M12 x 1
Material         PUR           Width across flats         SW13           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           ECLASS-12.0         85444290	suitable for corrugated tube (internal Ø)	10 mm
Width across flats         SW13           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           ECLASS-12.0         85444290	Coding	A
Commercial data         ECLASS-6.0       27279218         ECLASS-6.1       27279218         ECLASS-7.0       27279218         ECLASS-8.0       27279218         ECLASS-9.0       27060311         ECLASS-10.1       27060311         ECLASS-11.1       27060311         ECLASS-12.0       27060311         ETIM-5.0       EC001855         customs tariff number       85444290	Material	PUR
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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 ECLASS-12.0 EC001855 Customs tariff number 85444290	Commercial data	
ECLASS-7.0 27279218  ECLASS-8.0 27279218  ECLASS-9.0 27060311  ECLASS-10.1 27060311  ECLASS-11.1 27060311  ECLASS-12.0 27060311  ETIM-5.0 EC001855  customs tariff number 85444290	ECLASS-6.0	27279218
ECLASS-8.0 27279218 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC001855 customs tariff number 85444290	ECLASS-6.1	27279218
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ECLASS-10.1 27060311  ECLASS-11.1 27060311  ECLASS-12.0 27060311  ETIM-5.0 EC001855  customs tariff number 85444290	ECLASS-8.0	27279218
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customs tariff number 85444290	ECLASS-12.0	27060311
	ETIM-5.0	EC001855
GTIN 4048879184014	customs tariff number	85444290
	GTIN	4048879184014



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	Packaging unit	1
Operating voltage DC max         250 V           Operating voltage AC UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Contenting per contact max.         Multiple State   Contenting per contact max.           Mounting set         M12 x 1           Device protection   Electrical         M2 x 1           Additional contaction protection degree         Installation   Contenting per contact may be supposed on the protection of the per contact of the per	Electrical data   Supply	
Operating voltage DC max         250 V           Operating voltage AC UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Contenting per contact max.         Multiple State   Contenting per contact max.           Mounting set         M12 x 1           Device protection   Electrical         M2 x 1           Additional contaction protection degree         Installation   Contenting per contact may be supposed on the protection of the per contact of the per	Operating voltage AC max.	250 V
Operating valtage AC (UI-steed)         30 V           Current operating per contact max.         4 A           Installation (Connection)         M12 x I           Mounting set         M12 x I           Device protection [Electrical         Hand (September 1997)           Additional condition protection degree         Installation (Connection)           Pollution Degree         3           Read surge voitage         2.5 kV           Material group (IEC 90064-1)         I           Rechancial data [Meterial data         I           Mechanical data [Meterial data         Invasion (September 1997)           Machina (September 1997)         sate cover coated           Coasing Iboking         sate cover coated           Coasing of lifting         Invasion (September 1997)           Material screw connection         2 Inc dis-casting           Mechanical data [Mounting data         Year disease (September 1997)           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Operating tumperature mix.           Operating tumperature mix.         -25 °C           Operating tumperature mix.         -25 °C           Operating tumperature mix.         -85 °C           Additional condition temperature mix.		250 V
Operating voltage DC (UL-iseder)         30 Y           Current operating per contact max.         4 A           Installation (Contencion)         M12 x 1           Mounting set         M12 x 1           Device protection [Electrical]         M24 difficinal containing protection degree           Fallution Degree         3           Rated surge voltage         2.5 kV           Marterial group (IEC 80864-1)         I           Mechanical data [Material data]         Secure coated           Coating of litting         nickel plated           Locking material         Zinc die-casting           Muterial scrow commetation         Zinc die-casting           Mechanical data [Mounting data]         Tinc die-casting           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Commental characteristics   Climatic           Coperating temperature max.         -25 °C           Operating temperature max.         85 °C           Alterional condition interporature range         depending on cable quality           Important installation notes         Note on bending radius           Note on bending radius         Attention. Closerve the permissible bounding radii when laying cables, as the IP protection class can be endangement by excessive bending forces.		30 V
Corrent operating per contact max. 4 A  Installation   Connection  Marining set M2 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surper village 2 2.5 kV  Material group (IEC 60864-1) 1  Ceating obsing 2 26 kV  Material group (IEC 60864-1) 1  Ceating obsing 3 26 cover coated  Coating of filling nickel plated  Locking material 2 2inc de-casting  Material screw connection 2 7inc de-casting  Material screw connection 3 7inc de-casting  Material screw connection 4 7inc de-casting  Material screw connection 2 7inc de-casting  Material screw connection 3 7inc de-casting  Material screw connection 3 7inc de-casting  Material screw connection 3 7inc de-casting  Material screw connection 4 7inc de-casting  Material screw connection 3 7inc de-casting  Material screw connection 4 7inc de-casting  Mater		
Installation   Connection         Mounting set         M12 x 1           Device protection   Electrical         Inserted, scrowed           Pollution Dogroe         3           Rated surge vortage         2,5 kV           Material group (EC 60664.1)         1           Mechanical data   Material data           Coating Octinal   Material data           Coating of litting         safe-cover coated           Coating of litting         nickel plated           Locking material         Zinc deveating           Material scrow connection         <	,	4 A
Mounting set MT2 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 2.5 kV  Meternal group (EC 60564+1) I  Mechanical datal Material data  Casting looking saile cover coalad  Coating ploking saile cover coalad  Coating of fitting inkel plated  Locking material Zinc de-casting  Material screw connection Zinc de-casting  Ateriton Connection Zinc Zinc Zinc Zinc Zinc Zinc Zinc Zin		
Device protection   Electrical   Additional condition protection degree   inserted, screwed   Pollution Degree   3   Rated surge voltage   2,5 kV   Material group (IEC 60664-1)     Casting Inciving   Selection   I   Casting Inciving   Selection   Se		M12 x 1
Additional condition protection degree insented, screwed Pollution Degree 3 Rated surge voltage 2,5 kV Material group (IEC 60684-1) I  Mochanical data   Material data Coating locking nativital Coating locking locking nativital Coating locking	-	
Pollution Degree   3   Rated surge voltage   2,5 kV		inported earned
Rated surge voltage 2,5 kV Material group (IC 6 6664-1) I  Coating locking safe-cover coated Coating of litting nickel plated Material scrow connection Zinc discasting Material scrow connection Zinc discasting Material scrow connection I inserted, scrowed, Shaking protection  Material scrow connection inserted, scrowed, Shaking protection  Material scrow connection inserted, scrowed, Shaking protection  Material scrow connection inserted inserted, scrowed, Shaking protection  Material scrow connection inserted inserted, scrowed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C Operating temperature max. 85 °C  Control 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 characteristics of 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 strain relief Discassing the scrow of the protection class can be ordinaged by successive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation Cable  Wire arrangement Discassing the scrow of the protection class can be contaged by successive bending forces.  Scale Type of Certificate Discassing the scrow of the protection class can be contaged by successive bending forces.  Scale Scrow of the scrow of the protection class can be contaged by successive bending forces.  Scale Type of Certificate Discassing the scrow of the		· · · · · · · · · · · · · · · · · · ·
Macinal group (IEC 80664-1)   I	-	
Mechanical data   Material data   Coating locking   safe-cover coated		· · · · · · · · · · · · · · · · · · ·
Coating locking         sale-cover coated           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material serve connection         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         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 brading radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endanged forces.           Conformity         Vivolent bending radii when laying cables, as the IP protection class can be endanged forces.           Conformity         Installation   Cable           Installation   Cable         Installation   Cable           Installation   Cable         Drown, black, blue, white           Cable identification         254           Cable (entification         254           Cable (entification         254           Cable (obsertification)         254	,	
Coating of fitting         nickel plated           Locking material         Zinc die-casting           Mechanical datal Mounting data         Zinc die-casting           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         25 °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         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 (babic         Wire arrangement         brown, black, blue, white           Cable dentification         254           Cable Type         5           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weight         36.3 g/m	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         Coperating 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         wire arrangement         brown, black, blue, white           Cable identification         254           Cable identification         254           Cable (Color         gray           Type of Certificate         cuPrus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weight         36,3 g/m           Material jacket		
Material screw connection         Zinc die-casting           Mechanical data   Mounting data         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         Note on brain 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         Wire arrangement         brown, black, blue, white           Cable Type         5         5           Jacket Color         gray           Type of Certificate         cURUs           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weight         36,3 g/m           Material jacket         PUR           Shore hardness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket) <td></td> <td>nickel plated</td>		nickel plated
Mechanical data   Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature may.         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 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         Service of the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Use on bending radiius         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 Note of the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Cable Installation   Cable         DIN EN 61076-2-101 (M12)           Installation   Cable         254           Cable Installation   Cable	Locking material	
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic Operating temperature min. 25 °C Operating temperature max. 85 °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.  Attention: 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  wire arrangement brown, black, blue, white Cable (dentification 254 Cable (Doir gray Type of Certificate cURus Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white Cable weight 36.3 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) 4,7 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP Amount wires  4 Couter diameter tolerance core insulation 1,25 mm  Outer diameter tolerance core insulation 1,25 mm  Outer diameter (sheath) 1,25 mm	Material screw connection	Zinc die-casting
Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature good 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  wire arrangement brown, black, blue, white  Cable identification 254  Cable Type 5  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigh 36,3 g/m  Material jacket PUR  Shore hardness jacket PUR  Shore hardness jacket PUR  Shore hardness jacket 18 ± 3 Shore D  Freedom from ingredients (jacket) 4,7 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 4  Amount given from insulation PP  Amount wires 4  Auter diameter (sheath) ± 5 %	Mechanical data   Mounting data	
Operating temperature min.  -25 °C Operating temperature max.  85 °C Additional condition temperature range  depending on cable quality  Important installation notes  Note on strain relief 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  wire arrangement  brown, black, blue, white Cable identification  254 Cable (Type)  5 Jacket Color Type 0  Stranding 1  Stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white Cable weight 36,3 g/m  Material jacket PUR  Shore hardness jacket PUR  Freedom from ingredients (jacket)  Lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,7 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 4  Outer diameter tolerance core insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %	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.  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  wire arrangement brown, black, blue, white  Cable Identification 254  Cable Identification 254  Cable Of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigth 36.3 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) 4,7 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %	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  wire arrangement brown, black, blue, white  Cable identification 254  Cable Type 5  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weight 36,3 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) 4,7 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 4  Outer diameter tolerance core insulation ± 5 %  Outer diameter tolerance core insulation ± 5 %  Outer diameter tolerance core insulation ± 5 %	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.           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         Din EN 61076-2-101 (M12)           wire arrangement         brown, black, blue, white           Cable identification         254           Cable Type         5           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigth         36,3 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)         4,7 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4	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  wire arrangement brown, black, blue, white  Cable identification 254  Cable identification 254  Cable Type 5  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigth 36,3 g/m  Material jacket PUR  Shore hardness jacket 58 ± 3 Shore D  Teredom from ingredients (jacket) 4,7 mm  Tolerance outer diameter (jacket) 4,7 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires  Outer diameter tolerance core insulation ± 5 %	Additional condition temperature range	depending on cable quality
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endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  wire arrangement brown, black, blue, white  Cable identification 254  Cable Type 5  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigth 36,3 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) 4,7 mm  Material wire insulation PP  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %	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 wire arrangement brown, black, blue, white Cable identification 254 Cable identification 254 Cable Type 5 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weigth 36,3 g/m Material jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) 4,7 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %	Note on bending radius	
Installation   Cable           wire arrangement         brown, black, blue, white           Cable identification         254           Cable Type         5           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigth         36,3 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)         4,7 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %	Conformity	
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Cable identification 254  Cable Type 5  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted wire arrangement brown, black, blue, white  Cable weigth 36,3 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) 4,7 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %	·	brown block blue white
Cable Type 5 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weigth 36,3 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) 4,7 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %	-	
Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     4 wires twisted       wire arrangement     brown, black, blue, white       Cable weigth     36,3 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)     4,7 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     4       Outer diameter insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %		
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Amount stranding  1 Stranding  4 wires twisted  wire arrangement  brown, black, blue, white  Cable weigth  36,3 g/m  Material jacket  PUR  Shore hardness jacket  58 ± 3 Shore D  Freedom from ingredients (jacket)  lead-free, cadmium-free, CFC-free, halogen-free  Outer-diameter (jacket)  4,7 mm  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  PP  Amount wires  4  Outer diameter insulation  1,25 mm  Outer diameter tolerance core insulation  ± 5 %		
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Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %		4,7 mm
Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %		
Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %		
Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %		
Outer diameter tolerance core insulation ± 5 %	-	1,25 mm
	Outer diameter tolerance core insulation	
	Shore hardness wire insulation	74 ± 3 Shore D

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: 2024-06-03



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	4,8 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
Flame resistance	UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C   horizontal
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min