

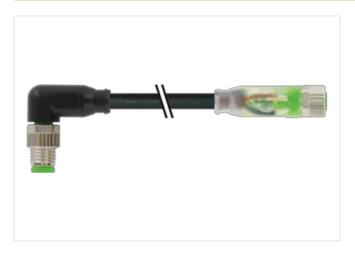
## M8 male 90° / M8 female 0° A-cod. LED

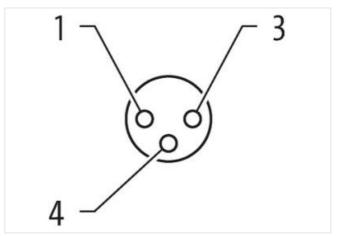
PVC 3x0.25 bk UL/CSA 0.3m

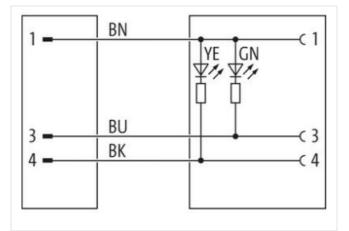
Male 90° – female straight M8 – M8, 3-pole 2× LED (NPN) Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

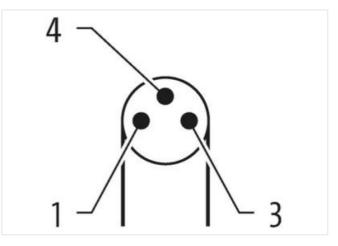
## Link to Product

Illustration





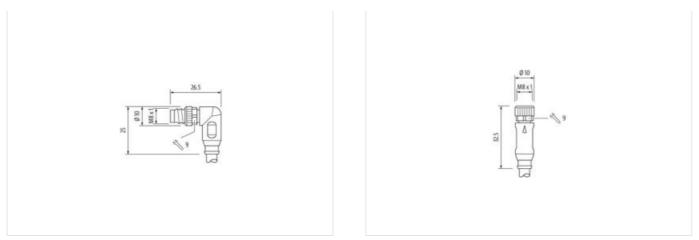




The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-26

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Product may differ from Image



Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M8           Thread         M8 × 1           suitable for corrugated tube (internal Ø)         6,5 mm           Material contact         Copper alloy           No. of poles         3           Width across flats         SW9           Side 2	Cable length	0,3 m
Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M8           Thread         M8 x 1           suitable for corrugated tube (internal 0)         6,5 mm           Material contact         Copper alloy           No. of poles         3           Width across flats         SW9           Side 2	Side 1	
Coating contact         gold plated           Family construction form         M8           Thread         M8 x 1           suitable for corrugated tube (internal 00)         6.5 mm           Material contact         Copper alloy           No. of poles         3           Width across fitats         SW9           Side 2            Urghtening torque         0.4 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M8           Material contact         Gopper alloy           No. of poles         3           Coating contact         gold plated           Family construction form         M8           Material contact         Copper alloy           No. of poles         3           Commercial data         27279218           ECLASS-R.0         27279218           ECLASS-R.0         27279218           ECLASS-R.0         27279218           ECLASS-R.0         27060311           ECLASS-R.0         27060311           ECLASS-R.0         27060311           ECLASS-R.1.1         27060311           ECLASS-R.2.0	Tightening torque	0,4 Nm
Family construction form         M8           Thread         M8 × 1           suitable for corrugated tube (internal 0)         6,5 mm           Material contact         Coopper alloy           No. of poles         3           Width across flats         SW9           Side 2            Tightening torque         0,4 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M8           Material contact         Coopper alloy           No. of poles         3           Coating contact         gold plated           Family construction form         M8           Material contact         Coopper alloy           No. of poles         3           Commercial data         Coopper alloy           No. of poles         3           ColLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-7.0         27279218           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-13.0	Mounting method	inserted, screwed
Thread         M8 x 1           suitable for corrugated tube (internal 0)         6.5 mm           Material contact         Copper alloy           No. of poles         3           Width across flats         SW9           Side 2            Tightening torque         0.4 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M8           Thread         M8 x 1           Material contact         Copper alloy           No. of poles         3           Conterrotion form         M8           Thread         M8 x 1           Material contact         Copper alloy           No. of poles         3           Collass-6.0         27279218           ECLASs-6.1         27279218           ECLASs-7.0         27279218           ECLASs-8.0         27060311           ECLASs-1.1         27060311           ECLASs-1.1         27060311           ECLASs-1.1         27060311           ECLASs-1.1         27060311           ECLASs-1.1         27060311           ECLASs-1.1         27060311 <t< td=""><td>Coating contact</td><td>gold plated</td></t<>	Coating contact	gold plated
suitable for corrugated tube (internal 60)         6,5 mm           Material contact         Copper alloy           No. of poles         3           Width across flats         SW9           Side 2            Tightening torque         0,4 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M8           Thread         M8 x 1           Material contact         Copper alloy           No. of poles         3           Commercial data         27279218           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-7.0         27279218           ECLASS-10.1         27060311           ECLASS-10.1         27060311           ECLASS-10.1         27060311           ECLASS-10.1         27060311           ECLASS-12.0         27060311 <td>Family construction form</td> <td>M8</td>	Family construction form	M8
Material contact         Copper alloy           No. of poles         3           Width across flats         SW9           Side 2	Thread	M8 x 1
No. of poles3Width across flatsSW9Side 2Tightening torque0,4 Nminserted, screwedCoating contactgold platedFamily construction formM8ThreadM5 x 1Material contactCopper alloyNo. of poles3Commercial data27279218ECLASS-6.027279218ECLASS-6.127279218ECLASS-8.027279218ECLASS-8.027279218ECLASS-8.027279218ECLASS-1.127060311ECLASS-1.227060311ECLASS-1.227060311ECLASS-1.227060311ECLASS-1.2.027060311ECLASS-1.2.027060311ECLASS-1.2.027060311ECLASS-1.2.027060311ECLASS-1.2.027060311ECLASS-1.2.027060311ECLASS-1.2.027060311ECLASS-1.2.127060311ECLASS-1.2.227060311ECLASS-1.2.227060311ETIM-5.0ECO11855Coustoms tariff number8544290GTIN404895543132Packaging unit1Electrical data   Supply	suitable for corrugated tube (internal $\emptyset$ )	6,5 mm
Widh across flats         SW9           Side 2         Tightening torque         0,4 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M8           Thread         M8 x 1           Material contact         Copper alloy           No. of poles         3           Commercial data         27279218           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-1.1         27060311           ECLASS-1.1         27060311           ECLASS-1.2         27060311           ECLASS-1.1         27060311           ECLASS-1.1         27060311           ECLASS-1.1         27060311           ECLASS-1.1         27060311           ECLASS-1.1         27060311           ECLASS-1.1         27060311           ECLASS-1.2         27060311           ECLASS-1.2         27060311           ECLASS-1.2         27060311           ECLASS-1.2         270403132 <tr< td=""><td>Material contact</td><td>Copper alloy</td></tr<>	Material contact	Copper alloy
Side 2Tightening torque0.4 NmMounting methodinserted, screwedCoating contactgold platedFamily construction formM8ThreadM8 x 1Material contactCopper alloyNo. of poles3Commercial dataECLASS-6.027279218ECLASS-6.127279218ECLASS-7.027279218ECLASS-7.027279218ECLASS-8.027279218ECLASS-9.027060311ECLASS-11.127060311ECLASS-12.027060311ECLASS-12.027060311ECLASS-12.0EC001865customs taiff numberS444290GTIN4048879543132Packaging unit1	No. of poles	3
Tightening torque         0,4 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M8           Thread         M8 x 1           Material contact         Copper alloy           No. of poles         3           Commercial data         ECLASS-6.0           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27260311           ECLASS-10.1         27060311           ECLASS-10.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         ECO1855           customs tariff number         85444290           GTIN         4048879543132           Packaging unit         1	Width across flats	SW9
Mounting methodinserted, screwedCoating contactgold platedFamily construction formM8ThreadM8 x 1Material contactCopper alloyNo. of poles3Commercial dataECLASS-6.027279218ECLASS-6.127279218ECLASS-7.027279218ECLASS-8.027279218ECLASS-8.027279218ECLASS-9.027060311ECLASS-10.127060311ECLASS-11.127060311ECLASS-12.027060311ECLASS-12.027060311ETIM-5.0EC001855customs tariff number85444290GTIN4048879543132Packaging unit1Electrical data   Supply	Side 2	
Coating contact         gold plated           Family construction form         M8           Thread         M8 x 1           Material contact         Copper alloy           No. of poles         3           Commercial data         27279218           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27279218           ECLASS-9.0         27279218           ECLASS-9.0         27060311           ECLASS-1.1         27060311           ECLASS-1.2         27060311           ECLASS-1.2.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879543132           Packaging unit         1	Tightening torque	0,4 Nm
Family construction form         M8           Thread         M8 x 1           Material contact         Copper alloy           No. of poles         3           Commercial data         ECLASS-6.0           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         2727060311           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         ECO01855           customs tariff number         85444290           GTIN         4048879543132           Packaging unit         1	Mounting method	inserted, screwed
Thread         M8 x 1           Material contact         Copper alloy           No. of poles         3           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879543132           Packaging unit         1	Coating contact	gold plated
Material contact         Copper alloy           No. of poles         3           Commercial data         27279218           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879543132           Packaging unit         1           Electrical data   Supply         1	Family construction form	M8
No. of poles         3           Commercial data         27279218           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         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           ETIM-5.0         EC001855           coustoms tariff number         85444290           GTIN         4048879543132           Packaging unit         1           Electrical data   Supply         1	Thread	M8 x 1
Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879543132           Packaging unit         1	Material contact	Copper alloy
ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879543132           Packaging unit         1	No. of poles	3
ECLASS-6.1       27279218         ECLASS-7.0       27279218         ECLASS-8.0       27279218         ECLASS-9.0       27060311         ECLASS-10.1       27060311         ECLASS-11.1       27060311         ECLASS-12.0       27060311         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4048879543132         Packaging unit       1	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         GTIN       4048879543132         Packaging unit       1	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         GTIN       4048879543132         Packaging unit       1	ECLASS-6.1	27279218
ECLASS-9.0       27060311         ECLASS-10.1       27060311         ECLASS-11.1       27060311         ECLASS-12.0       27060311         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4048879543132         Packaging unit       1	ECLASS-7.0	27279218
ECLASS-10.1       27060311         ECLASS-11.1       27060311         ECLASS-12.0       27060311         ETIM-5.0       EC001855         customs tariff number       8544290         GTIN       4048879543132         Packaging unit       1	ECLASS-8.0	27279218
ECLASS-11.1       27060311         ECLASS-12.0       27060311         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4048879543132         Packaging unit       1         Electrical data   Supply	ECLASS-9.0	27060311
ECLASS-12.0       27060311         ETIM-5.0       EC001855         customs tariff number       8544290         GTIN       4048879543132         Packaging unit       1         Electrical data   Supply	ECLASS-10.1	27060311
ETIM-5.0         EC001855           customs tariff number         8544290           GTIN         4048879543132           Packaging unit         1           Electrical data   Supply         Supply	ECLASS-11.1	27060311
customs tariff number     85444290       GTIN     4048879543132       Packaging unit     1       Electrical data   Supply	ECLASS-12.0	27060311
GTIN     4048879543132       Packaging unit     1       Electrical data   Supply     1	ETIM-5.0	
Packaging unit 1 Electrical data   Supply	customs tariff number	85444290
Electrical data   Supply	GTIN	4048879543132
	Packaging unit	1
	Electrical data   Supply	

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Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	green, yellow
Device protection   Electrical	
Degree of protection (EN IEC 60529)	IP67
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	
Mechanical data   Material data	
Coating locking	Nickeled
Material gasket	FKM
Material bousing	PUR
Locking material	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 strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on strain relief Note on bending radius	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.
	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Note on bending radius Installation   Cable	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Note on bending radius Installation   Cable wire arrangement	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Note on bending radius Installation   Cable wire arrangement Cable identification	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         brown, black, blue         610
Note on bending radius Installation   Cable wire arrangement Cable identification Cable Type	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         brown, black, blue         610         1
Note on bending radius Installation   Cable wire arrangement Cable identification Cable Type Jacket Color	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         brown, black, blue         610         1         black
Note on bending radius Installation   Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         brown, black, blue         610         1
Note on bending radius Installation   Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         brown, black, blue         610         1         black         cURus         1
Note on bending radius Installation   Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         brown, black, blue         610         1         black         cURus         1         3 wires twisted
Note on bending radius Installation   Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         brown, black, blue         610         1         black         cURus         1         swires twisted         brown, black, blue
Note on bending radius Installation   Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         brown, black, blue         610         1         black         cURus         1         3 wires twisted
Note on bending radius Installation   Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         brown, black, blue         610         1         black         cURus         1         3 wires twisted         brown, black, blue
Note on bending radius  Installation   Cable  wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         brown, black, blue         610         1         black         cURus         1         3 wires twisted         brown, black, blue         29,37 g/m         PVC
Note on bending radius  Installation   Cable  wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Freedom from ingredients (jacket)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         brown, black, blue         610         1         black         cURus         1         3 wires twisted         brown, black, blue         29,37 g/m         PVC         85 ± 5 Shore A
Note on bending radius  Installation   Cable  wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         brown, black, blue         610         1         black         cURus         1         3 wires twisted         brown, black, blue         29,37 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free
Note on bending radius Installation   Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         brown, black, blue         610         1         black         cURus         1         3 wires twisted         brown, black, blue         29,37 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         4,5 mm
Note on bending radius         Installation   Cable         wire arrangement         Cable identification         Cable Type         Jacket Color         Type of Certificate         Amount stranding         Stranding         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         brown, black, blue         610         1         black         cURus         1         3 wires twisted         brown, black, blue         29,37 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         4,5 mm         ± 5 %
Note on bending radius  Installation   Cable  wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         brown, black, blue         610         1         black         cURus         1         3 wires twisted         brown, black, blue         29,37 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         4,5 mm         ± 5 %         PVC
Note on bending radius         Installation   Cable         wire arrangement         Cable identification         Cable Type         Jacket Color         Type of Certificate         Amount stranding         Stranding         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material wire insulation         Amount wires	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         brown, black, blue         610         1         black         cURus         1         3 wires twisted         brown, black, blue         29,37 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         4,5 mm         ± 5 %         PVC         3
Note on bending radius         Installation   Cable         wire arrangement         Cable identification         Cable Type         Jacket Color         Type of Certificate         Amount stranding         Stranding         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material wire insulation         Amount wires         Outer diameter insulation	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         brown, black, blue         610         1         black         cURus         1         3 wires twisted         brown, black, blue         29,37 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         4,5 mm         ± 5 %         PVC         3         1,25 mm
Note on bending radius         Installation   Cable         wire arrangement         Cable identification         Cable Type         Jacket Color         Type of Certificate         Amount stranding         Stranding         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material wire insulation         Amount wires         Outer diameter tolerance core insulation         Shore hardness wire insulation	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         brown, black, blue         610         1         black         cURus         1         3 wires twisted         brown, black, blue         29,37 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         4,5 mm         ± 5 %         PVC         3         1,25 mm         ± 5 %         45 ± 5 Shore D
Note on bending radius         Installation   Cable         wire arrangement         Cable identification         Cable Type         Jacket Color         Type of Certificate         Amount stranding         Stranding         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material wire insulation         Amount wires         Outer diameter tolerance core insulation         Shore hardness wire insulation         Material properties wire insulation	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         brown, black, blue         610         1         black         cURus         1         3 wires twisted         brown, black, blue         29,37 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         4,5 mm         ± 5 %         PVC         3         1,25 mm         ± 5 %         45 ± 5 Shore D         good machinability
Note on bending radius         Installation   Cable         wire arrangement         Cable identification         Cable Type         Jacket Color         Type of Certificate         Amount stranding         Stranding         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material wire insulation         Amount wires         Outer diameter insulation         Outer diameter tolerance core insulation	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         brown, black, blue         610         1         black         cURus         1         3 wires twisted         brown, black, blue         29,37 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         4,5 mm         ± 5 %         PVC         3         1,25 mm         ± 5 %         45 ± 5 Shore D
Note on bending radius  Installation   Cable  wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Material properties wire insulation Ingredient freeness wire insulation	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         brown, black, blue         610         1         black         cURus         1         3 wires twisted         brown, black, blue         29,37 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         4,5 mm         ± 5 %         PVC         3         1,25 mm         ± 5 %         45 ± 5 Shore D         good machinability         lead-free, cadmium-free, CFC-free, silicone-free

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: 2024-06-26

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Conductor crosssection (wire)	0,25 mm²
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	79 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	0° 08
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	0° 08
UV resistance	DIN EN ISO 4892-2 A
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	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter

Bending radius (dynamic)

10 x Outer diamete

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