

## Y-distributor M8 male / M8 female 0° A-cod.

PVC 3x0.25 bk UL/CSA 1m

Y connector Male straight – females straight M8 – M8, 4-pole

Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request

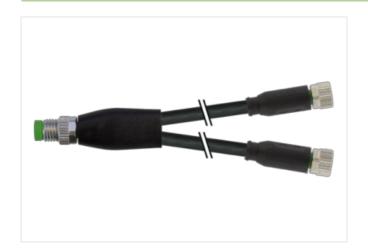
Plastic housings with good resistance against chemicals and oils.

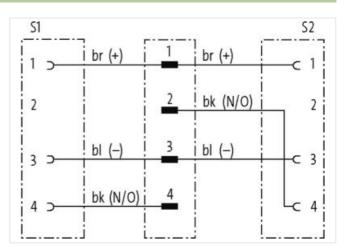
The resistance to aggressive media should be individually tested for your application. Further details on request.

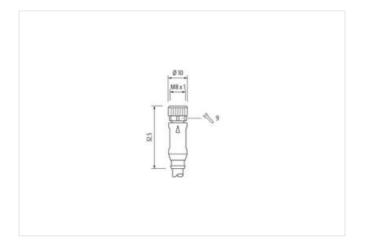
Further cable lengths on request.

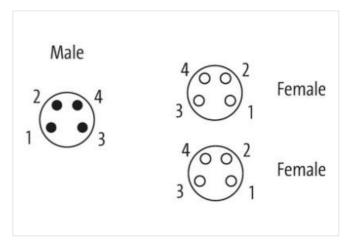
## **Link to Product**

## Illustration

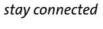


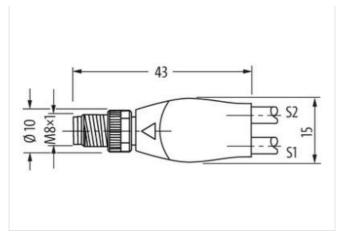












Product may differ from Image



Cable length	1 m
Side 1	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
Material contact	Copper alloy
Width across flats	SW9
Side 2	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Thread	M8 x 1
Side 3	
Mounting method	inserted, screwed
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060313
ECLASS-10.1	27060313
ECLASS-11.1	27060313
ECLASS-12.0	27060313
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4065909092866
Packaging unit	1
Electrical data   Supply	



stay connected

Operating voltage DC (IL-listed)	Occupitation 10 may	50.4
Operating voltage AC (UL listed) 30 V Operating voltage DC (UL listed) 30 V Operating voltage AC (UL listed) 30 V Operating voltage DC (UL listed)	Operating voltage AC max.	50 V
Sperating valtage DC (IL-lasted) SO V  Current operating per contact max. 4 A  Device protection (EN IEC 05059) MPS, IPS7, IPS8, IPS6 W  Additional condition protection degree inserted, screwed inserted, screwed, screwe	<u> </u>	
Device protection   Electrical		
Degree of protection   Electrical Degree of protection   EN IEC 00528)   PB5, IPB7, IPB8, IPB8   PB8   PB8   PB8   PB8   PB8   PB7, IPB8, IPB8   PB8		
Degree of protection (EN IEC 60529) IP6S, IP67, IP68, IP66K Additional condition protection degree  inserted, screwed  Pollution Degree  3 Rated surge voltinge  1 Mechanical data   Meterial drout  1 Medical placetian  1 Medical placet	Current operating per contact max.	4 A
Additional condition protection degree inserted, screwed Pollution Degree 3 Pated surge voltage 1,5 kV   Material group (IEC 69684-1)   1 Mechanical data   Metrial data   Mechanical data   Metrial data   Metrial plocking nut nickel plated   Mechanical data   Metrial data   Metrial plocking nut nickel plated   Medienal grown coating   PUR   Medienal grown   PUR   Medienal grown   PUR   Mounting method   Inserted, screwed, Shaking protection   Environmental data   Mounting data   Mounting method   Inserted, screwed, Shaking protection   Environmental characteristics   Climatic   Operating temperature min25 °C   Operating temperature max85 °C   Operating temperature max85 °C   Operating temperature max85 °C   Operating temperature max86 °C   Automation characteristics   Metria grown   Mother on bending radius   Protect the connectors by suitable measures from mechanical loads, o.g. by the usage of cable ties.   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be ondargered by excessive bending radii when laying cables, as the IP protection class can be ondargered by excessive bending forces.   Cantomity   Product standard   DIN EN 61076-2-114 (M8)   Installation   Cable   Cable dentification   610	Device protection   Electrical	
Pollution Degree 3 Tarted surpe voltage 1,5 kV Makerial group (IEC 60694-1) I Mechanical data   Material data Coatining locking nut nickel platted Locking sort wooding not nickel platted Locking nut material 2 in die casting Locking nut material 2 in die casting Locking nut material 2 in die casting Locking nut material 3 in die casting Locking nut material 3 in die casting Locking nut material 4 in die casting Locking nut material 5 in die casting Locking Loc	Degree of protection (EN IEC 60529)	IP65, IP67, IP68, IP66K
Rated surge voltage 1,5 kV Material group (EC 60694-1) 1  Coating looking nut nickel plated 100km	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1)  Mochanical data   Material data  Coctaing locking nut   nickel plated   Coctaing locking server coaling   nickel plated   Coctaing locking server coaling   nickel plated   Coctaing locking mut material   Zimc die-casting   Coctaing material server   Zimc die-casting   Coctaing material server   Zimc die-casting   Coctaing material server   Zimc die-casting   Coctaing method   Inserted, screwed, Shaking protection   Environmental characteristics   Climatic   Coperating temperature min.   -25 °C   Coperating temperature max.   35 °C   Coperating temperature max.   35 °C   Coperating temperature max.   35 °C   Containg temperature max.   35 °C   Containg temperature rape   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 taying cables, as the IP protection class can be endangered by excessive bending forces.   Conformity   Product standard   DIN EN 61076-2-114 (MS)   Installation   Cable Type   1   Installation   Cable Type   2   Installation   Cable Type   3   Installation   Cable Type   4   Installation   Cable Type   5   Installation   Ca	Pollution Degree	3
Mochanical data   Material data   Mochanical d	Rated surge voltage	1,5 kV
Coating tocking nut incised plated plated incised plated incised plated incised plated incised plated plated incised plated plated incised plated pl	Material group (IEC 60664-1)	I
Lacking screw coaling nickel plated  Material gasket FKM  Material gasket FKM  Material gasket PC FKM  Material gasket PC FKM  Material posset Standard Protect the connectors by suitable measures from mechanical loads, e.g., by the usage of cable sea. Note on strain relief  Protect standard DIN EN 61076-2-114 (M8)  Installation   Gabie  Conformity  Product standard Black  Installation   Gabie  Coalie Fype Of Certificate CUPsus  Alacket Cofor Distalces  Strangement Distalces  Strangement Distalces  Strangement Distalces  Strangement Distalces  Strangement Scale (Sacket)  PVC  Shore Amount strangement (gacket)  Fired and suit a	Mechanical data   Material data	
Material gasket FKM Material housing PUR Locking mutaterial Zinc dis-casting Locking mutaterial screw Brass  Mochanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climator  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.  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 Stranding In Stra	Coating locking nut	nickel plated
Material housing PUR Locking mut material cover Brass  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Deperating 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.  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 61076-2-114 (M8)  Installation   Cable  Cable identification 610  Cable Type 1  Lacket Color black  Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Cable wight 29,37 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) 1,25 mm  Outer diameter insulation 9 pVC  Amount wires a 3  Outer diameter insulation 9 pVC  Amount wires wire insulation 9 pdf machinability  Ingredent freeness wire insulation 9 pod machinability  Ingredent freeness wire insulation 9 pdf machinability  Ingre	Locking screw coating	nickel plated
Locking nut material Zinc die-casting Brass Bras	Material gasket	FKM
Mechanical data   Mounting data   Mounting method inserted, screwed, Shaking protection   Mounting method inserted, screwed, Shaking protection   Mounting method inserted, screwed, Shaking protection   Mounting method   Mounting	Material housing	PUR
Mechanical data   Mounting data   Mounting method inserted, screwed, Shaking protection   Mounting method inserted, screwed, Shaking protection   Mounting method inserted, screwed, Shaking protection   Mounting method   Mounting	Locking nut material	Zinc die-casting
Mounting method inserted, Screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min. 25 °C  Additional condition 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 Installation   Cable  Cable identification   610  Cable identification   610  Cable identification   610  Cable identification   1  Stranding   3 wires twisted URus  Amount stranding   1  Stranding   3 wires twisted  wire arrangement   50 wow, black, blue  Cable weight   29,37 g/m  Material jacket   PVC  Shore hardness jacket   85 ± 5 Shore A  Freedom from ingredient (sacket)   64,5 mm  Tolerance outer diameter (sceath)   ± 5 %  Material wire insulation   45 ± 5 Shore D  Material insulation   45 ± 5 Shore D  Material products wire insulation   45 ± 5 Shore D  Material products wire insulation   45 ± 5 Shore D  Material products wire insulation   45 ± 5 Shore D  Material products wire insulation   45 ± 5 Shore D  Material products wire insulation   45 ± 5 Shore D  Material programs wire insulation   45 ± 5 Shore D  Material programs wire insulation   45 ± 5 Shore D  Material programs wire insulation   45 ± 5 Shore D	Locking material screw	Brass
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. 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 61076-2-114 (M8) Installation   Cable Cable identification 610 Cable Type 1 1 Juscket Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weigh 29,37 g/m Material jacket PVC Shore hardness jacket PVC Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation 45 ± 5 Shore D Material properties wire insulation 45 ± 5 Shore D Material properties wire insulation 45 ± 5 Shore D Material properties wire insulation 45 ± 5 Shore D Material properties wire insulation 45 ± 5 Shore D Material properties wire insulation 45 ± 5 Shore D Material properties wire insulation 45 ± 5 Shore D Material properties wire insulation 45 ± 5 Shore D Material properties wire insulation 45 ± 5 Shore D Material properties wire insulation 45 ± 5 Shore D	Mechanical data   Mounting data	
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Product standard DIN EN 61076-2-114 (M8)  Installation   Cable   Cable identification 610  Cable identification 610  Cable Type 1 Jacket Color black Type of Certificate cURus  Amount stranding 1 Stranding 3 wires twisted  Wire arrangement brown, black, blue  Cable weigth 29,37 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%  Material wire insulation PVC  Amount wires 3  Outer diameter tolerance core insulation 1,25 mm  Outer diameter tolerance core insulation 45 ± 5 Shore D  Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free		
Installation   Cable           Cable identification         610           Cable Type         1           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         29.37 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)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         45 ± 5 Shore D           Material properties wire insulation         lead-free, cadmium-free, CFC-free, silicone-free	Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
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Jacket Color     black       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigth     29,37 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)     4,5 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PVC       Amount wires     3       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	Note on bending radius  Conformity  Product standard	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  DIN EN 61076-2-114 (M8)
Amount stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Cable weigth 29,37 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) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 3  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	Note on bending radius  Conformity  Product standard  Installation   Cable  Cable identification	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  DIN EN 61076-2-114 (M8)
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wire arrangement brown, black, blue  Cable weigth 29,37 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) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 3  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	Note on bending radius  Conformity  Product standard  Installation   Cable  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.  DIN EN 61076-2-114 (M8)  610  1  black
Cable weigth 29,37 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) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 3  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	Note on bending radius  Conformity  Product standard  Installation   Cable  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.  DIN EN 61076-2-114 (M8)  610  1  black  cURus
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) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 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	Note on bending radius  Conformity  Product standard  Installation   Cable  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.  DIN EN 61076-2-114 (M8)  610  1  black  cURus  1
Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  7.5 mm  Tolerance outer diameter (sheath)  4.5 mm  Tolerance outer diameter (sheath)  4.5 %  Material wire insulation  PVC  Amount wires  3  Outer diameter insulation  1,25 mm  Outer diameter tolerance core insulation  45 ± 5 Shore D  Shore hardness wire insulation  Material properties wire insulation  Material properties wire insulation  Ingredient freeness wire insulation  lead-free, cadmium-free, CFC-free, silicone-free	Note on bending radius  Conformity  Product standard  Installation   Cable  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.  DIN EN 61076-2-114 (M8)  610  1  black  cURus  1  3 wires twisted
Freedom from ingredients (jacket)  Outer-diameter (jacket)  4,5 mm  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  PVC  Amount wires  3  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	Note on bending radius  Conformity  Product standard  Installation   Cable  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.  DIN EN 61076-2-114 (M8)  610  1  black  cURus  1  3 wires twisted  brown, black, blue
Outer-diameter (jacket)  A,5 mm  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  PVC  Amount wires  3  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	Note on bending radius  Conformity  Product standard  Installation   Cable  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.  DIN EN 61076-2-114 (M8)  610  1  black  cURus  1  3 wires twisted  brown, black, blue  29,37 g/m
Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 3  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	Conformity Product standard Installation   Cable 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.  DIN EN 61076-2-114 (M8)  610  1  black  cURus  1  3 wires twisted  brown, black, blue  29,37 g/m  PVC
Material wire insulation PVC  Amount wires 3  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	Conformity Product standard Installation   Cable 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.  DIN EN 61076-2-114 (M8)  610  1  black  cURus  1  3 wires twisted  brown, black, blue  29,37 g/m  PVC  85 ± 5 Shore A
Amount wires 3 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	Conformity Product standard Installation   Cable 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.  DIN EN 61076-2-114 (M8)  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
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	Conformity Product standard Installation   Cable 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)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  DIN EN 61076-2-114 (M8)  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
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	Conformity Product standard Installation   Cable 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.  DIN EN 61076-2-114 (M8)  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 %
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	Conformity Product standard Installation   Cable 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.  DIN EN 61076-2-114 (M8)  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
Material properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	Conformity Product standard Installation   Cable 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.  DIN EN 61076-2-114 (M8)  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
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	Conformity Product standard Installation   Cable 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.  DIN EN 61076-2-114 (M8)  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
· ·	Conformity Product standard Installation   Cable 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.  DIN EN 61076-2-114 (M8)  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 %
Amount strands (wire) 14	Conformity Product standard Installation   Cable 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.  DIN EN 61076-2-114 (M8)  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
	Conformity Product standard Installation   Cable 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.  DIN EN 61076-2-114 (M8)  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

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-21



Diameter of single wires	0,15 mm
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)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
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