

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

PVC 3x0.25 bk UL/CSA 7.5m

Male straight – female 90°
M8 – M8, 3-pole
2× LED (PNP), (NPN) on request
Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request
Further cable lengths on request.

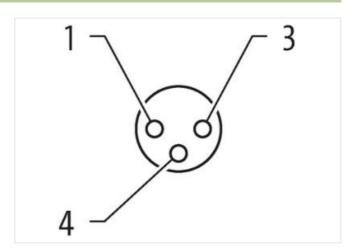
Plastic housings with good resistance against chemicals and oils.

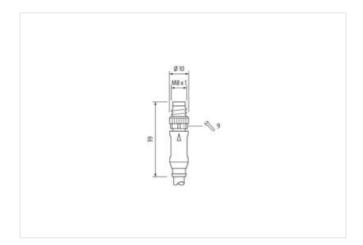
The resistance to aggressive media should be individually tested for your application. Further details on request.

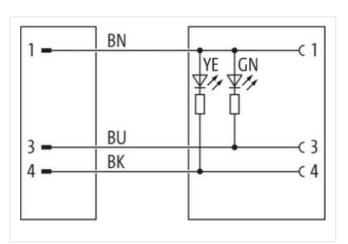
## **Link to Product**

## Illustration



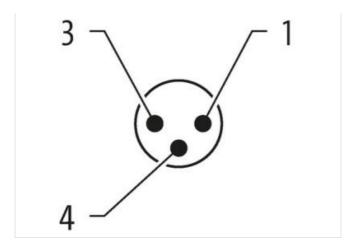








stay connected





Product may differ from Image











Cable length	7,5 m
Side 1	
Tightening torque	0,4 Nm
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
Width across flats	SW9
Side 2	
Tightening torque	0,4 Nm
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	4048879544641
Packaging unit	1
Electrical data   Supply	
Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Operating voltage DC max. (UL-listed)	30 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	green, yellow
Device protection   Electrical	

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: 2024-05-09



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Foliation Degree 3 Brieflat surpre-voltage 0.8 kV Material group (EC 0964-1)  Machanical data   Material data  Material proup (EC 0964-1)  Machanical data   Material data  Material bouling PUR Material bouling PUR Material bouling PUR Machanical data   Mounting data   Machanica	Degree of protection (EN IEC 60529)	IP65, IP67, IP68, IP66K
Raide surges voltage  Machanical fatal Meterial group (IEC 66664-1)  Machanical fatal Meterial disal Meterial disal Meterial disal Meterial disal Meterial floring  Nickeled Mechanical disal Mounting data  Muchanical disal	Additional condition protection degree	inserted, screwed
Machanizal data   Material data   PulP	Pollution Degree	3
Mechanical data   Material data Coaling looking Nickelod Mechanical data   Mounting data Mechanical data   Mounting data Muchanical data   Mounting   Mounting data Muchanical data   Mounting   Mounting	Rated surge voltage	0,8 kV
Coating tocking Nisearal Nouning DNR Maerial Nouning PIR Locking material Zinc de-casting  Mounting method Inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min. 425 °C  Operating temperature min. 426 °C  Operating temperature max. 85 °C  Additional condition temperature rate depending on cable quality  Important installation notes  Note on tearin refer Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tess.  Aftention: Observe the permissible bending radii when laying cables, as the IP protection dass can be endanged by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-114 (MB)  Installation   Cable  Cable lidentification   Cable  Cable lidentifica	Material group (IEC 60664-1)	I
Meterial housing PUR Locking material at Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic Operating temperature min.	Mechanical data   Material data	
Moternal nousing PUR Locking maternal Zinc die casting  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min. 25 °C Operating temperature min. 35 °C Additional condition temperature max. 35 °C Additional condition temperature max. 35 °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 permissibile bending radii when laying cables, as the IP protection class can be ending and the protection of	Coating locking	Nickeled
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 lise. 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 (MB)  Installation   Cable Type  Cable identification 510 Cable Type 1 1 Jacket Color black Type of Certificate CURus Annoust straining 1 1 Stranding 1 1 Stranding 3 wires twisted  wire arrangement brown, black, blue Cable weight 29,37 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) 4.5 mm  Coller-diameter (jacket) 4.5 mm  Tolerance outer diameter (sheath) 1.25 °N  Material wire insulation PVC  Material properties were insulation 1.25 mm  Outer diameter tolerance core insulation 1.25 mm  Outer diameter tolerance core insulation 1.25 mm  Outer diameter tolerance core insulation 1.25 mm  Material properties were insulation 1.45 mm  Material properties were insulation 1.45 mm  Grounds of single wire Goodulotz wire 1.55 °N  Shore hardness were insulation 1.45 mm  Material properties were insulation 1.45 mm  Journal voltage AC max. 300 °V  Current load capacity (standard) 1.0 DIN VIDE 0288 4  Current load capacity (standard) 1.0 DIN VIDE 0288 4  Current load capacity (standard) 1.0 DIN VIDE 0288 4  Current load capacity min. whire 2.56 A  Electrical resistance line constant wire 2.79 Q/Mm @ 20 °C	Material housing	PUR
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 lise. 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 (MB)  Installation   Cable Type  Cable identification 510 Cable Type 1 1 Jacket Color black Type of Certificate CURus Annoust straining 1 1 Stranding 1 1 Stranding 3 wires twisted  wire arrangement brown, black, blue Cable weight 29,37 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) 4.5 mm  Coller-diameter (jacket) 4.5 mm  Tolerance outer diameter (sheath) 1.25 °N  Material wire insulation PVC  Material properties were insulation 1.25 mm  Outer diameter tolerance core insulation 1.25 mm  Outer diameter tolerance core insulation 1.25 mm  Outer diameter tolerance core insulation 1.25 mm  Material properties were insulation 1.45 mm  Material properties were insulation 1.45 mm  Grounds of single wire Goodulotz wire 1.55 °N  Shore hardness were insulation 1.45 mm  Material properties were insulation 1.45 mm  Journal voltage AC max. 300 °V  Current load capacity (standard) 1.0 DIN VIDE 0288 4  Current load capacity (standard) 1.0 DIN VIDE 0288 4  Current load capacity (standard) 1.0 DIN VIDE 0288 4  Current load capacity min. whire 2.56 A  Electrical resistance line constant wire 2.79 Q/Mm @ 20 °C	Locking material	Zinc die-casting
Mounting method inserted. serewed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min.		
Environmental characteristics   Climatic Operating temperature min. 25 °C Additional condition temperature range depending on cable quality Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Coserve the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity Product standard DIN EN 81076-2-114 (M8) Installation   Cable Cable identification   610 Cable disentification   610 Cable (Carliforation   610 Cable (Carliforation   610 Carliforation   610 Carlifo		inserted screwed Shaking protection
Operating temperature min.		
Operating temperature max. 85 °C Additional condition temperature range depending on cable quality  More on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files.  Altentifion: Coseene 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 (MR)  Installation   Cable  Cable identification   610  Cable Type 1  1  1 acket Color   black  Type of Certificate   cURus  Amount stranding 1  Stranding   3 wires twisted  wire arrangement   brown, black, blue  Cable weight   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 (behalth)   45 ± 5 Shore D  Material wire insulation   45 ± 5 Shore D  Material strands (wire)   14  Diameter of single wires   0,15 mm  Conductor roressection (wire)   0,25 mm²  Material properties wire insulation   45 ± 5 Shore D  Material strands (wire)   14  Diameter of single wires   0,15 mm  Conductor type (wire)   5 Diamed   0,15 mm  Conductor type (wire)   5 Strand class 5  Nominal voltage AC max. 300 V  Current load capacity (min. wire)   4,5 A  Electrical resistance line constant wire.	·	
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   Lacked Color   black   Citype of Certificate   culture   Citype of Certificate   culture   Cable weight   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   Culter-diameter (jacket)   1.55 mm   Culter-diameter (jacket)   45 ± 5 %   Material protective siver insulation   1.25 mm   Culter diameter insulation   45 ± 5 %   Material protective siver insulation   45 ± 5 %   Candidated to protective siver insulation   1.25 mm   Culter diameter insulation   1.25 mm	· · · · · · · · · · · · · · · · · · ·	
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 61076-2-114 (M8)           Installation   Cable         Cable Installation   Cable   C		
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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         DIN EN 61076-2-114 (M8)           Product standard         DIN EN 61076-2-114 (M8)           Installation   Cable         Cable identification           Cable identification         610           Cable Type         1           Lacked Color         black           Type of Certificate         CURus           Amount stranding         1           Stranding         3           Stranding         1           Stranding         1           Stranding         3           Stranding         2           Wite arrangement         brown, black, blue           Cable weight         29,37 g/m           Material jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         45 ± 5 mm           Outer diameter (jacket)         45 mm           Material wire i	Important installation notes	
endangered by excessive bending forces.  Conformity  Product standard  DIN EN 61076-2-114 (M8)  Installation   Cable  Cable identification  610  Cable Type  1  Jacket Color  black Type of Certificate  Amount stranding  1  Stranding  3 wires twisted  wire arrangement  brown, black, blue  Cable weight  29,37 g/m  Material jacket  PVC  Shore hardness jacket  Anount wire insulation  PVC  Anount wires  3  Cuter diameter insulation  pVC  Material properties wire insulation  pVC  Material properties wire insulation  pood machinability  Ingredient feneress wire insulation  pood machinability  Diameter of single wires  Onductor yee (wire)  Stranded copper wire, bare  Conductor yee (wire)  Stranded copper wire, bare  Courrent load capacity (standard)  Current load capacity (standard)  Ly 5 MRM (2, 5 A  Electrical resistance line constant wire  79 Q/Rm @ 20 °C	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 61076-2-114 (M8)           Installation I 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 weight         29.37 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 brore A           Freedom from ingredients (jacket)         4.5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         ± 5 mm           Outer diameter insulation         ± 5 shore D           Material properties wire insulation         45 ± 5 shore D           Material properties wire insulation         god machinability           Ingredient freeness wire insulation         god machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         14           Diameter of single wires         0,15 mm	Note on bending radius	
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 weight         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 insulation         4 5 ± 5 Shore D           Material properties wire insulation         45 ± 5 Shore D           Material properties wire insulation         9 ± 5 Shore D           Material properties wire insulation         18 ± 5 Shore D           Material properties wire insulation         18 ± 5 Shore D           Material conductor wire         14           Diameter of single wires         0,15 mm<	Conformity	
Cable Type         1           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weight         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 wrie insulation         PVC           Amount wires         3           Outer diameter lolerance core insulation         1,25 mm           Outer diameter lolerance core insulation         1,25 mm           Material properties wire insulation         45 ± 5 Shore D           Material properties wire insulation         good machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         14           Diameter of single wires         0,15 mm           Corductor crosssection (wire)         0,25 mm²           Material conductor wire         Stranded cop	Product standard	DIN EN 61076-2-114 (M8)
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 loterance core insulation         1,25 mm           Outer diameter loterance core insulation         45 ± 5 Shore D           Material properties wire insulation         45 ± 5 Shore D           Material properties wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         14           Injury of the properties wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         14           Diameter of single wires	Installation   Cable	
Jacket Color   black	Cable identification	610
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         good machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         14           Diameter of single wires         0,15 mm           Conductor crosssection (wire)         0,25 mm²           Material conductor wire	Cable Type	1
Amount stranding 1  Stranding 3 wires twisted wire arrangement brown, black, blue  Cable weigth 29,37 g/m  Material jacket PVC  Shore hardness jacket 95 ± 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 tolerance core insulation 1,25 mm  Outer diameter tolerance core insulation 45 ± 5 %  Shore hardness wire insulation 45 ± 5 %  Shore hardness wire insulation 45 ± 5 Shore D  Material properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Amount strands (wire) 14  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) Stranded so 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	Jacket Color	black
Amount stranding 1  Stranding 3 wires twisted wire arrangement brown, black, blue  Cable weigth 29,37 g/m  Material jacket PVC  Shore hardness jacket 95 ± 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 tolerance core insulation 1,25 mm  Outer diameter tolerance core insulation 45 ± 5 %  Shore hardness wire insulation 45 ± 5 %  Shore hardness wire insulation 45 ± 5 Shore D  Material properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Amount strands (wire) 14  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) Stranded so 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	Type of Certificate	cURus
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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  Amount strands (wire) 14  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) Stranded copper wire, bare  Conductor type (wire) Stranded capacity (standard) to DIN VDE 0298-4  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	Stranding	3 wires twisted
Cable weighth     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       Amount strands (wire)     14       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		brown, black, blue
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  Amount strands (wire) 14  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,25 mm²  Chardles of single wires Stranded copper wire, bare  Conductor type (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	Cable weigth	29,37 g/m
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  \$\pmathcal{\p	Material jacket	
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  \$\pmathcal{\p		85 ± 5 Shore A
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         Amount strands (wire)       14         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	<u> </u>	lead-free, cadmium-free, CFC-free, silicone-free
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         Amount strands (wire)       14         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	Outer-diameter (jacket)	
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         Amount strands (wire)       14         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	<u>,</u>	<u> </u>
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 Ingredient freeness wire insu	·	
Outer diameter insulation       1,25 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       45 ± 5 Shore D         Material properties wire insulation       good machinability         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, silicone-free         Amount strands (wire)       14         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	Amount wires	
Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       45 ± 5 Shore D         Material properties wire insulation       good machinability         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, silicone-free         Amount strands (wire)       14         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	Outer diameter insulation	1,25 mm
Shore hardness wire insulation       45 ± 5 Shore D         Material properties wire insulation       good machinability         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, silicone-free         Amount strands (wire)       14         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	Outer diameter tolerance core insulation	· · · · · · · · · · · · · · · · · · ·
Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 14 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	Shore hardness wire insulation	
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Amount strands (wire) 14  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	Material properties wire insulation	
Amount strands (wire)  Diameter of single wires  O,15 mm  Conductor crosssection (wire)  O,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	Ingredient freeness wire insulation	
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	Amount strands (wire)	
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	Diameter of single wires	
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	Conductor crosssection (wire)	
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	Material conductor wire	Stranded copper wire, bare
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	Conductor type (wire)	
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	Nominal voltage AC max.	300 V
Current load capacity min. wire 4,5 A Electrical resistance line constant wire 79 Ω/km @ 20 °C	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire 79 Ω/km @ 20 °C	Current load capacity min. wire	
	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