

## M12 male 0° A-cod. with cable shielded

PUR 3x0.34 shielded gy UL/CSA+drag ch. 30m

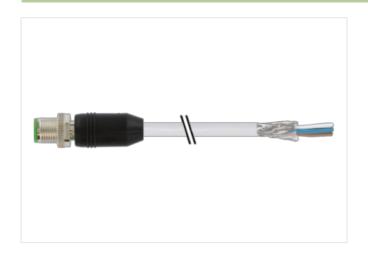
Male straight M12, 3-pole shielded

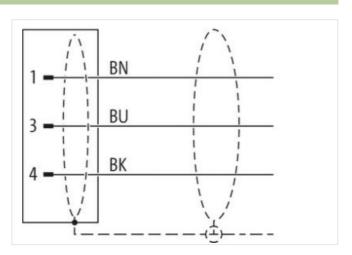
Plastic housings with good resistance against chemicals and oils.

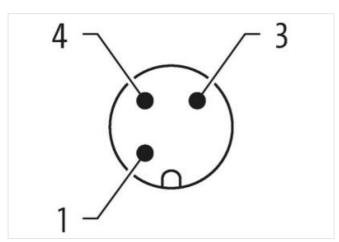
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

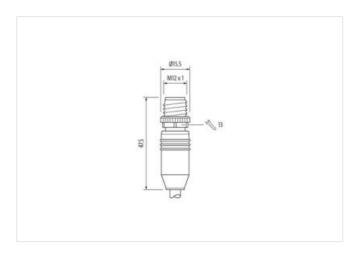
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

30 m

Side 1

Tightening torque 0,6 Nm



stay connected

Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	3
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Coating contact	gold plated
Commercial data	
ECLASS-6.0	27061801
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
customs tariff number	85444290
GTIN	4048879861403
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	no
Installation   Connection	
Stripping length (jacket)	20 mm
Mounting set	M12 x 1
Device protection   Electrical	
	inserted executed
Additional condition protection degree	inserted, screwed
Pollution Degree	3 1.5 IV
Rated surge voltage  Material group (IEC 60664-1)	1,5 kV
	·
Mechanical data	
Contour for corrugated hose	without
Mechanical data   Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection

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: 2024-05-18



stay connected

Operating temperature max.  Additional condition temperature max.  Additional condition temperature range  Appending on cable quality  Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tie  Attention: Observe the permissibile bending radii when laying cables, as the IP protection class or endangered by excessive bending forces.  Conformity  Product standard  DIN EN 61076-2-101 (M12)  Installation Cable  wire arrangement  brown, black, blue  Cable identification  240  Cable Type 3  3  Jackel Color  Type of Certificate  culPlus  Annount stranding  1  Stranding  3 vires twisted  Cables shielding (coverage)  80 %  Cables shielding (coverage)  80 %  Cables shielding (coverage)  80 %  Cables with a strangement  brown, black, blue  Cables with a strangement  Cables (coverage)  80 %  Cables shielding (coverage)  80 %  Cables shielding (coverage)  80 %  Fleece, Foil  Wire arrangement  brown, black, blue  Cables shielding (coverage)  80 %  Cables shielding (coverage)  80 %  Fleece, Foil  Town Annount stranding  Shore Annount stranding  Town Annount stranding  To	Operating temperature min.	-25 °C
Note on strain relief Note on strain relief Note on bending radius Attention: Observe the permissibile bending radii when taying cables, as the IP protection class or endangered by excessive bending forces.  Conformity Product standard DIN EN 61076-2-101 [M12)  Installation (Cable  wire arrangement Cable identification 240 Cable identification 240 Cable identification 340 Cable itype 3 3 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted Cables shelding (coverage) 80 % Cables represented brown, black, blue Cables shelding (coverage) 80 % Cables represented brown, black, blue Cables shelding (coverage) 80 % Cables shelding (c	Operating temperature max.	85 °C
Attention: Observe the permissible bending radii when laying cables, as the IP protection class or endangered by excessive bending frozes.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class or endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation [Cable Wire arrangement	Additional condition temperature range	depending on cable quality
Attention: Observe the permissible bending radii when laying cables, as the IP protection class or endangered by excessive bending fracili when laying cables, as the IP protection class or endangered by excessive bending forces.  **Attention: Observe the permissible bending radii when laying cables, as the IP protection class or endangered by excessive bending forces.  **Conformity**  **Product standard**  DIN EN 61076-2-101 (M12)  **Installation Cable**  ***ire arrangement**  brown, black, blue  **able identification**  240  **able identification**  240  **able identification**  240  **able identification**  3 assets to confine county of the county of	Important installation notes	
Attention: Observe the permissible bending radii when laying cables, as the IP protection class or entangered by excessive bending forces.  Conformity  Troduct standard  DIN EN 61076-2-101 (M12)  Installation   Cable  Tries arrangement	•	Protect the connectors by suitable measures from mechanical loads, a g, by the usage of cable ties
endangered by excessive bending forces.  Contominy  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  vitre arrangement brown, black, blue  Zable identification 240  Zable if Type 3  Zacket Color gray  Zype of Certificatio cURus  Installation   Cable  Virge arrangement brown, black, blue  Zable identification 240  Zable identification 240  Zable identification 240  Zable if Type 3  Zacket Color gray  Zype of Certificatio cURus  Installation   Cable  Virge of Certificatio cURus  Virge of Certificatio cURus  Installation   Cable  Virge of Certificatio cURus  Virge of Certification (Virge of Certification curve)  Virge of Certification curve  Virge of		
Installation   Cable	lote on bending radius	
installation   Cable  //ire arrangement	Conformity	
brown, black, blue   240	Product standard	DIN EN 61076-2-101 (M12)
able identification         240           able Type         3           acket Color         gray           ype of Certificate         cURus           mount stranding         1           Itanding         3 wirst wisted           able shielding (type)         copper braid, finned           sable shielding (goverage)         80 %           anding         Fleece, Foil           ire arrangement         brown, black, blue           lable weighh         44 g/m           tabrical jacket         PUR           hore hardness jacket         90 ± 5 Shore A           readom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           olerance outer diameter (saket)         5 mm           olerance outer diameter (sheath)         ± 5 %           laterial wire insulation         PP           mount wires         3           suiter diameter insulation         1,25 mm           buter diameter tolerance core insulation         1,25 mm           buter diameter tolerance core insulation         10 ± 5 Shore D           orgedient freeness wire insulation         10 ± 5 Shore D           orgedient freeness wire insulation         10 ± 5 Shore D           orgedient freeness wire	Installation   Cable	
acket Color gray  yope of Certificate cURus  umount stranding 1  stranding 3 wires twisted  copper braid, finned  able shielding (type) copper braid, finned  able shielding (coverage) 80 %  standing Fleece, Foil  strangement brown, black, blue  able weight 44 g/m  staterial jacket PUR  shore hardness jacket 90 ± 5 Shore A  reedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  unburler-diameter (jacket) 5 mm  obuter-diameter (jacket) 1 ± 5 %  steering insulation PP  unburler diameter insulation 1 1,25 mm  obuter diameter insulation 1 1,25 mm  obuter diameter insulation 1 2,5 mm  obuter diameter oberance core insulation 1 4,25 mm  obuter diameter oberance core insulation 1 4,25 mm  obuter diameter oberance core insulation 1 4,25 mm  obuter diameter oberance core insulation 1 1,25 mm  obuter diameter insulation 1 1,25 mm  obuter d	vire arrangement	brown, black, blue
Section   Sect	<u> </u>	
Supe of Certificate cURus  Immount stranding 1  Standing 3 wires twisted  Cable shielding (coverage) 80 %  Standing Fleece, Foil  Ivie arrangement brown, black, blue  Alber wild a fleece foil  Alber wild a fleece f	Cable Type	3
CURS  COUNTY  COUNTY  CARRON  COUNTY  COUNTY  COUNTY  CURS  CURS  CURS  CURS  CURS  CURS  CURS  CURS  CURS  COUNTY  CURS  COUNTY  CURS  CU	**	gray
Amount stranding 1 Stranding 3 wires twisted 3 wires twisted 3 wires twisted 3 wires twisted 4 shelding (type) 2 copper braid, finned 3 cable shielding (coverage) 80 % 80 % 8 8 8 8 8 8 8 8 8 8 8 9 8 9 8 9 8 9 8		
Stranding 3 wires twisted  2able shielding (type) copper braid, tinned  2able shielding (coverage) 80 %  2anding Fleece, Foil  2able weight brown, black, blue  2able weight 44 g/m  3aletarial jacket PUR  3hore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  2buter-diameter (jacket) 5 mm  5oreance outer diameter (sheath) ± 5 %  4anding PP  Amount wires 3  2buter diameter insulation PP  Amount wires 3  2buter diameter tolerance core insulation 1.25 mm  2buter diameter insulation 1.25 mm  2buter diameter tolerance core insulation 1.25 mm  2buter diameter tolerance swire insulation 1.25 mm  2buter diameter of single wires 30.1 mm  2nonductor crosssection (wire) 42  2blameter of single wires 0.1 mm  2bonductor type (wire) stranded copper wire, bare  2bonductor type (wire) stranded copper wire, bare  2bonductor type (wire) trands (wire) 2 kV @ 60 s  2buter dia capacity (standard) to DIN VDE 0298-4  2burrent load capacity (standard) to DIN VDE 0298-4  2burrent load capacity (wire - wire) 2 kV @ 60 s  2bower frequency withstand voltage (wire - wire) 2 kV @ 60 s  2buffin. operating temperature (static) 40 °C operating temperature (static) 40	,,	
Cable shielding (type) copper braid, tinned  2able shielding (coverage) 80 %  Banding Fleece, Foil  wire arrangement brown, black, blue  2able weigth 44 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Dubter-diameter (jacket) ± 5 mm  Folerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3  Duter diameter insulation 1,25 mm  Duter diameter insulation 70 ± 5 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Diameter of single wires 0,1 mm  Diameter of single wires 0,1 mm  Material conductor wire Stranded copper wire, bare  Material conductor wire Stranded copper wire, bare  Mount by lotting and class 6  Mount village AC max. 300 V  Durrent load capacity min. wire 6 A  Current load capacity min. wire 57 Q/km @ 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - shield) 2 kV @ 60 s  Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Diameter of temperature min. (dynamic) -25 °C		3 wires twisted
Cable shielding (coverage)         80 %           Banding         Fleece, Foil           vire arrangement         brown, black, blue           2able weigth         44 g/m           Aaterial jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         5 mm           Follogrance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter oblerance core insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Whount strands (wire)         42           Diameter of single wires         0,1 mm           Oriductor roressection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Oriductor type (wire)         strand class 6           Oriminal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity win. wire         6 A <tr< td=""><td></td><td>copper braid, tinned</td></tr<>		copper braid, tinned
Fleece, Foil	Cable shielding (coverage)	· · · · · · · · · · · · · · · · · · ·
brown, black, blue  able weigth  44 g/m  Atterial jacket  PUR  thore hardness jacket  reedom from ingredients (jacket)  buter-diameter (sheath)  ± 5 %  Atterial wire insulation  PP  mount wires  3  buter diameter insulation  puter diameter tolerance core insulation  for ± 5 %  thore hardness wire insulation  70 ± 5 Shore D  ingredient freeness wire insulation  for ± 5 Shore D  ingredient freeness wire insulation  for ± 5 Shore D  ingredient freeness wire insulation  for ± 5 Shore D  ingredient freeness wire insulation  for ± 5 Shore D  ingredient freeness wire insulation  for ± 5 Shore D  ingredient freeness wire insulation  for ± 5 Shore D  ingredient freeness wire insulation  for ± 5 Shore D  ingredient freeness wire insulation  for ± 5 Shore D  ingredient freeness wire insulation  for ± 5 Shore D  ingredient freeness wire insulation  for ± 5 Shore D  ingredient freeness wire insulation  for ± 5 Shore D  ingredient freeness wire insulation  for ± 5 Shore D  ingredient freeness wire insulation  for ± 5 Shore D  ingredient freeness wire insulation  for ± 5 Shore D  ingredient freeness wire insulation  for ± 5 Shore D  ingredient freeness wire insulation  for ± 5 Shore D  ingredient freeness wire insulation  for ± 5 Shore D  ingredient freeness wire insulation  for ± 5 Shore D  ingredient free, cadmium-free, CFC-free, halogen-free, silicone-free  ingredient freeness wire  ingredient free, cadmium-free, CFC-free, halogen-free, silicone-free  ingredient freeness wire  ingredient freen		
Iderial jacket PUR  shore hardness jacket 90 ± 5 Shore A  reedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  buter-diameter (jacket) 5 mm  olerance outer diameter (sheath) ± 5 %  laterial wire insulation PP  mount wires 3  buter diameter insulation 1,25 mm  buter diameter tolerance core insulation 1,25 mm  buter diameter tolerance core insulation 70 ± 5 Shore D  gredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  mount strands (wire) 42  liameter of single wires 0,1 mm  conductor crosssection (wire) 0,34 mm²  laterial conductor wire Stranded copper wire, bare  stranded copper	rire arrangement	brown, black, blue
hore hardness jacket 90 ± 5 Shore A reedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free uter-diameter (jacket) 5 mm olerance outer diameter (sheath) ± 5 % laterial wire insulation PP mount wires 3 uuter diameter insulation 1,25 mm uuter diameter tolerance core insulation 1,25 mm uuter diameter tolerance core insulation 70 ± 5 Shore D Igredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free mount strands (wire) 42 lameter of single wires 0,1 mm onductor crosssection (wire) 0,34 mm² laterial conductor wire Stranded copper wire, bare onductor type (wire) strand class 6 omminal voltage AC max. 300 V urrent load capacity finin. wire 6 A lectrical resistance line constant wire 57 Ω/km @ 20 °C C withstand voltage (wire - wire) 2 kV @ 60 s C withstand voltage (wire - shield) 2 kV @ 60 s C withstand voltage (wire - shield) 2 kV @ 60 s  lin. operating temperature (static) 40 °C lax. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation perating temperature min. (dynamic) -25 °C	able weigth	44 g/m
reedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  uter-diameter (jacket) 5 mm  olerance outer diameter (sheath) ± 5 %  laterial wire insulation PP  mount wires 3  uter diameter insulation 1,25 mm  uter diameter tolerance core insulation ± 5 %  hore hardness wire insulation 70 ± 5 Shore D  gredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  mount strands (wire) 42  lameter of single wires 0,1 mm  onductor crosssection (wire) 0,34 mm²  laterial conductor wire Stranded copper wire, bare  onductor type (wire) strand class 6  ominal voltage AC max. 300 V  urrent load capacity min. wire 6 A  lectrical resistance line constant wire 57 Ω/km @ 20 °C  C withstand voltage (wire - wire) 2 kV @ 60 s  ower frequency withstand voltage (wire - shield) 2 kV @ 60 s  c withstand voltage (wire - shield) 2 kV @ 60 s  lax. operating temperature (static) 40 °C  lax. operating temperature (ixed) 80 °C / 90 °C @ 10000 h Operation  perating temperature min. (dynamic) -25 °C	laterial jacket	PUR
buter-diameter (jacket)         5 mm           olerance outer diameter (sheath)         ± 5 %           flaterial wire insulation         PP           amount wires         3           buter diameter insulation         1,25 mm           buter diameter tolerance core insulation         ± 5 %           thore hardness wire insulation         70 ± 5 Shore D           agredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           amount strands (wire)         42           aliameter of single wires         0,1 mm           conductor crosssection (wire)         0,34 mm²           daterial conductor wire         Stranded copper wire, bare           conductor type (wire)         stranded class 6           forminal voltage AC max.         300 V           current load capacity (standard)         to DIN VDE 0298-4           current load capacity min. wire         6 A           electrical resistance line constant wire         57 Ω/km @ 20 °C           C withstand voltage (wire - wire)         2 kV @ 60 s           C withstand voltage (wire - shield)         2 kV @ 60 s           In. operating temperature (static)         -40 °C           Idx. operating temperature min. (dynamic)         -25 °C	hore hardness jacket	90 ± 5 Shore A
olerance outer diameter (sheath)     ± 5 %       laterial wire insulation     PP       mount wires     3       outer diameter insulation     1,25 mm       buter diameter tolerance core insulation     ± 5 %       hore hardness wire insulation     70 ± 5 Shore D       ogredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       mount strands (wire)     42       siameter of single wires     0,1 mm       onductor crosssection (wire)     0,34 mm²       laterial conductor wire     Stranded copper wire, bare       sonductor type (wire)     strand class 6       forminal voltage AC max.     300 V       current load capacity (standard)     to DIN VDE 0298-4       current load capacity min. wire     6 A       lectrical resistance line constant wire     57 Ω/km @ 20 °C       C withstand voltage (wire - wire)     2 kV @ 60 s       cwell frequency withstand voltage (wire - shield)     2 kV @ 60 s       cower frequency withstand voltage (wire - shield)     2 kV @ 60 s       lin. operating temperature (static)     -40 °C       lax. operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       operating temperature min. (dynamic)     -25 °C	reedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Atterial wire insulation PP  mount wires 3  Duter diameter insulation 1,25 mm  Duter diameter tolerance core insulation 25 %  whore hardness wire insulation 70 ± 5 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  mount strands (wire) 42  Diameter of single wires 0,1 mm  conductor crosssection (wire) 0,34 mm²  Atterial conductor wire Stranded copper wire, bare  conductor type (wire) strand class 6  Indiamal voltage AC max. 300 V  Furrent load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 6 A  Electrical resistance line constant wire 57 Ω/km @ 20 °C  C withstand voltage (wire - wire) 2 kV @ 60 s  C withstand voltage (wire - shield) 2 kV @ 60 s  C withstand voltage (wire - shield) 2 kV @ 60 s  C withstand voltage (wire - shield) 2 kV @ 60 s  C withstand voltage (wire - shield) 2 kV @ 60 s  C withstand voltage (wire - shield) 2 kV @ 60 s  C withstand voltage (wire - shield) 2 kV @ 60 s  C withstand voltage (wire - shield) 2 kV @ 60 s  C withstand voltage (wire - shield) 2 kV @ 60 s  C withstand voltage (wire - shield) 2 kV @ 60 s  C withstand voltage (wire - shield) 2 kV @ 60 s  C withstand voltage (wire - shield) 2 kV @ 60 s  C withstand voltage (wire - shield) 2 kV @ 60 s  C withstand voltage (wire - shield) 40 °C  C withstand voltage (wire - shield) 2 kV @ 60 s  C withstand voltage (wire - shield) 40 °C  C withstand voltage (wire - shield) 50 °C @ 10000 h Operation  Apperating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Apperating temperature min. (dynamic) -25 °C	Outer-diameter (jacket)	5 mm
mount wires 3  futer diameter insulation 1,25 mm  futer diameter tolerance core insulation 20 ± 5 %  for hore hardness wire insulation 70 ± 5 Shore D  fugredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  mount strands (wire) 42  fiameter of single wires 0,1 mm  fonductor crosssection (wire) 0,34 mm²  flaterial conductor wire Stranded copper wire, bare  fonductor type (wire) strand class 6  forminal voltage AC max. 300 V  furrent load capacity (standard) to DIN VDE 0298-4  furrent load capacity min. wire 6 A  flectrical resistance line constant wire 57 Ω/km @ 20 °C  C withstand voltage (wire - wire) 2 kV @ 60 s  C withstand voltage (wire - shield) 2 kV @ 60 s  C withstand voltage (wire - shield) 2 kV @ 60 s  fin. operating temperature (static) -40 °C  lax. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  fine face in sultation 1,25 mm  for the first of t	olerance outer diameter (sheath)	± 5 %
buter diameter insulation         1,25 mm           buter diameter tolerance core insulation         ± 5 %           shore hardness wire insulation         70 ± 5 Shore D           iggredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           imount strands (wire)         42           imount strands (wire)         0,1 mm           conductor orsssection (wire)         0,34 mm²           inderial conductor wire         Stranded copper wire, bare           conductor type (wire)         strand class 6           iominal voltage AC max.         300 V           current load capacity (standard)         to DIN VDE 0298-4           current load capacity win, wire         6 A           clectrical resistance line constant wire         57 Ω/km @ 20 °C           C withstand voltage (wire - wire)         2 kV @ 60 s           cover frequency withstand voltage (wire - shield)         2 kV @ 60 s           ctckt)         2 kV @ 60 s           din, operating temperature (static)         -40 °C           dax, operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           operating temperature min. (dynamic)         -25 °C	faterial wire insulation	PP
buter diameter tolerance core insulation  brown hardness wire insulation  for ± 5 Shore D  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  mount strands (wire)  42  liameter of single wires  onductor crosssection (wire)  0,34 mm²  laterial conductor wire  Stranded copper wire, bare  strand class 6  lominal voltage AC max.  300 V  turrent load capacity (standard)  to DIN VDE 0298-4  leterical resistance line constant wire  6 A  leterical resistance line constant wire  C withstand voltage (wire - wire)  2 kV @ 60 s  C withstand voltage (wire - shield)  2 kV @ 60 s  C withstand voltage (wire - shield)  2 kV @ 60 s  C withstand voltage (wire - shield)  2 kV @ 60 s  Lin. operating temperature (static)  40 °C  lax. operating temperature min. (dynamic)  -25 °C	mount wires	3
there hardness wire insulation  70 ± 5 Shore D  Igredient freeness wire insulation  Igredient free, cFC-free, halogen-free, silicone-free  Igredient freeness wire insulation  Igredient freeness wire insulation  Igredient freeness wire insulation  Igredient free, cFC-free, halogen-free, silicone-free  Igredient freeness wire insulation  Igredient freeness  Igredient freene	outer diameter insulation	1,25 mm
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free mount strands (wire) 42 Islameter of single wires 0,1 mm Inductor crosssection (wire) 0,34 mm² Inderial conductor wire Stranded copper wire, bare Inductor type (wire) strand class 6 Inductor type (wire) strand class 6 Inductor type (wire) to DIN VDE 0298-4 Inductor to DIN	Outer diameter tolerance core insulation	± 5 %
immount strands (wire)  42  immount strands (wire)  0,1 mm  conductor crosssection (wire)  0,34 mm²  Stranded copper wire, bare  conductor type (wire)  strand class 6  Identification of the properties of the p	hore hardness wire insulation	70 ± 5 Shore D
Diameter of single wires  O,1 mm  Onductor crosssection (wire)  O,34 mm²  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  strand class 6  Nominal voltage AC max.  Ourrent load capacity (standard)  Current load capacity min. wire  6 A  Selectrical resistance line constant wire  Ower frequency withstand voltage (wire - wire)  Ower frequency withstand voltage (wire - shield)  Current load capacity min. wire  2 kV @ 60 s  Nower frequency withstand voltage (wire - wire)  2 kV @ 60 s  Nower frequency withstand voltage (wire - shield)  Acket)  Courting temperature (static)  Acket  A	ngredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire)  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  strand class 6  Identify the compact of the conductor wire  Stranded copper wire, bare  Stranded capacity for a copper wire of the copper wire of	amount strands (wire)	42
Material conductor wire  Conductor type (wire)  Stranded copper wire, bare  Stranded copper wire, bare  Stranded copper wire, bare  strand class 6  Nominal voltage AC max.  300 V  Current load capacity (standard)  Current load capacity min. wire  6 A  Electrical resistance line constant wire  57 Ω/km @ 20 °C  AC withstand voltage (wire - wire)  2 kV @ 60 s  Cower frequency withstand voltage (wire - acket)  AC withstand voltage (wire - shield)  2 kV @ 60 s  AC withstand voltage (wire - shield)  2 kV @ 60 s  Alin. operating temperature (static)  -40 °C  Max. operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic)  -25 °C	Diameter of single wires	0,1 mm
strand class 6  Idominal voltage AC max.  300 V  Surrent load capacity (standard)  Surrent load capacity min. wire  6 A  Selectrical resistance line constant wire  57 Ω/km @ 20 °C  C withstand voltage (wire - wire)  2 kV @ 60 s  Sower frequency withstand voltage (wire - shield)  C withstand voltage (wire - shield)  2 kV @ 60 s  Sin. operating temperature (static)  40 °C  Max. operating temperature min. (dynamic)  57 Ω/km @ 20 °C  2 kV @ 60 s  2 kV @ 60 s  100	conductor crosssection (wire)	0,34 mm <sup>2</sup>
Iominal voltage AC max.  300 V  Furrent load capacity (standard)  Furrent load capacity min. wire  6 A  Flectrical resistance line constant wire  C withstand voltage (wire - wire)  C withstand voltage (wire - shield)  C withstand voltage (wire - shield)  C withstand voltage (wire - shield)  C withstand voltage (wire - wire)  C with with with with with with with with	laterial conductor wire	Stranded copper wire, bare
urrent load capacity (standard) to DIN VDE 0298-4  urrent load capacity min. wire 6 A  lectrical resistance line constant wire 57 Ω/km @ 20 °C  C withstand voltage (wire - wire) 2 kV @ 60 s  ower frequency withstand voltage (wire - cket) 2 kV @ 60 s  C withstand voltage (wire - shield) 2 kV @ 60 s  in. operating temperature (static) -40 °C  ax. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  perating temperature min. (dynamic) -25 °C	onductor type (wire)	strand class 6
Furrent load capacity min. wire 6 A  Ilectrical resistance line constant wire 57 Ω/km @ 20 °C  C withstand voltage (wire - wire) 2 kV @ 60 s  ower frequency withstand voltage (wire - cket) 2 kV @ 60 s  C withstand voltage (wire - shield) 2 kV @ 60 s  In. operating temperature (static) -40 °C  Inax. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  operating temperature min. (dynamic) -25 °C		
Electrical resistance line constant wire     57 Ω/km @ 20 °C       C withstand voltage (wire - wire)     2 kV @ 60 s       cower frequency withstand voltage (wire - acket)     2 kV @ 60 s       C withstand voltage (wire - shield)     2 kV @ 60 s       fin. operating temperature (static)     -40 °C       flax. operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       operating temperature min. (dynamic)     -25 °C		
C withstand voltage (wire - wire)  2 kV @ 60 s  2 kV @ 60 s  2 kV @ 60 s  C withstand voltage (wire - shield)  2 kV @ 60 s  40 °C  Aax. operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  2 perating temperature min. (dynamic)  2 kV @ 60 s  -40 °C  -25 °C		
Tower frequency withstand voltage (wire - 2 kV @ 60 s  C withstand voltage (wire - shield) 2 kV @ 60 s  din. operating temperature (static) -40 °C  dax. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic) -25 °C		
Acket)  C withstand voltage (wire - shield)  2 kV @ 60 s  din. operating temperature (static)  40 °C  Ax. operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  25 °C	<u> </u>	2 kV @ 60 s
lin. operating temperature (static)  -40 °C  lax. operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  operating temperature min. (dynamic)  -25 °C		2 kV @ 60 s
Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic) -25 °C	C withstand voltage (wire - shield)	2 kV @ 60 s
Operating temperature min. (dynamic) -25 °C	fin. operating temperature (static)	-40 °C
	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation	Operating temperature min. (dynamic)	-25 °C
	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
lame resistance IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090	lame resistance	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090



Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	5 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C   horizontal
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min