

## M12 male 90° / M12 female 0° A-cod.

PVC 5x0.34 ye UL/CSA 3m

Male 90° – female straight

M12 - M12, 5-pole

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

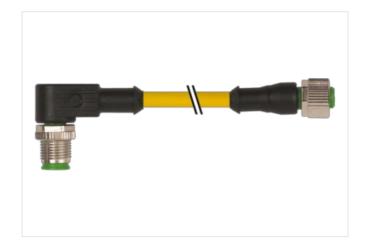
Plastic housings with good resistance against chemicals and oils.

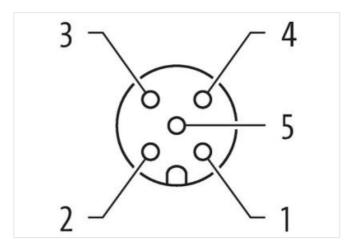
The resistance to aggressive media should be individually tested for your application. Further details on request.

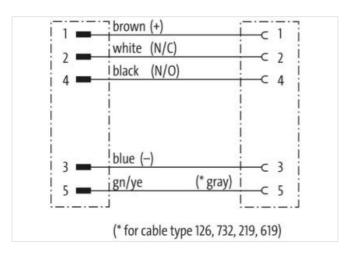
Further cable lengths on request.

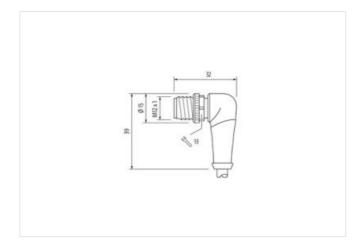
## **Link to Product**

## Illustration





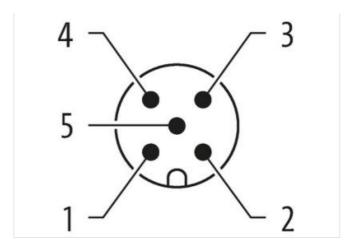






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Product may differ from Image



Cable length





3 m







Cable length	3111
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879325608
Packaging unit	1

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-23



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Departing voltage AC max.   125 V	Electrical data   Supply	
Departing voltage DC (Tax.   125 V		125 V
Sperating voltage AC (UL sieted)   30 V	<u> </u>	
Depending voilage DC (UL island)  Depending voilage DC (UL island)  A A  A Courrent operating per contact max.  A A  Mit 2 x 1  Device protection   Electrical  Additional condition protection   Electrical  Additional condition protection degree  Pollution Degree  3		
Installation   Connection   Connection   Content max.   A A	1 0 0 0	
Mounting set   M12 x 1	,	
Mounting set  Mounting set  Mounting set  Moditional condition protection degree  inserted, screwed  Motificational Condition protection degree  3  Alterial group (IEC 80864-1)  Mocchanical data   Mounting data  Counting of fitting  Alterial grow connection  Zinc dis casting  Mochanical data   Mounting data  Counting method  Environmental characteristics   Climatic  Diperating temperature man.  25 °C  Diperating temperature man.  35 °C  Diperating temperature man.  35 °C  Diperating temperature man.  36 °C  Diperating temperature man.  36 °C  Diperating temperature man.  37 °C  Diperating temperature man.  38 °C  Motificand condition temperature range  48 Product the connectors by suitable measures from mechanical loads, e.g., by the usage of cable lies.  Motificand condition temperature range  48 Product the connectors by suitable measures from mechanical loads, e.g., by the usage of cable lies.  Motificand condition of the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable  installation   Cable  Attention: Coserve the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable    Cable Identification   O15    Cable Type   1    Cable Identification   O15    Cable		···
Device protection   Electrical		
Additional condition protection degree inserted, screwed  7-Cilution Degree 3  Mechanical data   Material data  Conting to locking Nickeled  Conting of litting incident in the part of the casting incident in the part of th	Mounting set	M12 x 1
Adalerial group (IEC 60664-1)  Adalerial group (IEC 60664-1)  Inchanical data   Material data  Coating locking  Alterial screw connection  Alterial screw co	Device protection   Electrical	
Material group (IEC 60664.1)  Mechanical data   Material data  Coating of fitting nickel plated Coating material  Mounting method   Inserted, screwed, Shaking protection  Environmental characteristics   Climatic Coparating temperature min.	Additional condition protection degree	inserted, screwed
Mechanical data   Material data   Mickeled   Coating   Mickeled   Coating   Mickeled   Coating   Mickeled   Coating   Mickeled   Coating   Mickeled   Coating   Coating   Mickeled   Coating   Coati	Pollution Degree	3
Coating locking Nickeled nickel plated nickel plated nickel plated nickel plated nickel plated nickel plated Atterial screw connection Zinc die-casting Atterial screw connection Zinc die-casting Nechanical data   Mounting data   Mounting method nickel plated nickel pl	Material group (IEC 60664-1)	1
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Coaling of filting in mickel plated inserted. Zinc die-assting inserted. Serewed, Shaking protection inserted. Serewed inserted. Serewed, Shaking protection inserted. Serewed inserted. S	Coating locking	Nickeled
Auterial screw connection Zinc die-casting  Mechanical data   Mounting data  Mechanical data   Mounting data  Mechanical data   Mounting data  Environmental characteristics   Climatic  Diperating temperature min.		
Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Diperating temperature min25 °C  Diperating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Vote on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attentions Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable  wire arrangement brown, black, blue, white, green-yellow  Zable identification 015  Zable identification 015  Ziranding 5 wires around Core fillior twisted  URBUS  Ziranding 5 wires around Core fillior twisted  Yes wire arrangement brown, black, blue, white, green-yellow  Zable weight 48,4 g/m  Material jacket PVC  Zable weight 48,4 g/m  Material jacket   PVC  Zable right   Stranding   1  Ziranding 5 wires around Core fillior twisted  Yes geen-yellow  Zable weight 48,4 g/m  Material jacket   PVC  Zable weight   S5 ± S Shore A    Zable right   S5 ± S Shore A    Zable right   S5 ± Shore A    Zable ri		· · · · · · · · · · · · · · · · · · ·
Mochanical data   Mounting data  Accuming method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Deparating temperature min.  -25 °C  Deparating temperature man.  depending on cable quality  Important installation notes  Vote on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Altention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable  Vire arrangement brown, black, blue, white, green-yellow  Zable identification 015  Zable Type 1  Stranding 5 wires around Core filler twisted  Wire arranging 1  Stranding 5 wires around Core filler twisted  Wire arrangement brown, black, blue, white, green-yellow  Zable weigth 48,4 g/m  Alterial jacket PVC  Token Pardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead free, cadmium-free, CFC-free, silicone-free  Zable diameter (jacket) 5,2 mm  Duter diameter (jacket) 5,5 mm  Duter diameter insulation PVC  Minount wires wire insulation 1,25 mm  Duter diameter insulation 45 ± 5 Shore D  Alterial properties wire insulation 1,25 mm  Duter diameter insulation 1,26 mm  Alterials properties wire insulation 1,26 mm  Jacket color insulation 1,25 mm  Duter diameter insulation 1,26 mm  Alterials properties wire insulation 1,26 mm  Jacket color insulation 1,26		
Inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min.  -25 °C  Operating temperature max.		
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.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable  Vire arrangement brown, black, blue, white, green-yellow  Zable identification 015  Zable Type 1  Alexed Color yellow  Type of Certificate cURsus  Amount stranding 1  Series around Core filler twisted  Yes  Vire arrangement brown, black, blue, white, green-yellow  Zable wire arrangement brown, black, blue, white, green-yellow  Zable wire arrangement brown, black, blue, white, green-yellow  Zable wire arrangement brown, black, blue, white, green-yellow  Zable weight 48,4 g/m  Material jacket PVC  Shore hardness jacket PVC  Shore hardness jacket PVC  Shore hardness jacket Bs ± 5 Shore A  Treedom from ingredients (jacket)   sad-free, cadmium-free, CFC-free, silicone-free  Duter-diameter (jacket)		
Departing temperature min.  Departing temperature max.  85 °C  depending on cable quality  Important installation notes  Note on brain relief  Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable  Vivie arrangement  Drown, black, blue, white, green-yellow  Cable identification  O15  Cable Type  1  Iacket Color  Yellow  Yepe of Certificate  CURus  Amount stranding  5 wires around Core filler twisted  Yes  Vivie arrangement  Drown, black, blue, white, green-yellow  Anount stranding  1  Stranding  5 wires around Core filler twisted  Yes  Vivie arrangement  Drown, black, blue, white, green-yellow  Attention in green-yellow  Duter-diameter (jacket)  Duter-diameter (ja	Mounting method	inserted, screwed, Shaking protection
Additional condition temperature max.  85 °C Additional condition temperature range depending on cable quality  Important installation notes  Vote 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.  Installation   Cable  Wire arrangement brown, black, blue, white, green-yellow  Zable identification 015  Zable Type 1  Lacket Color yellow  Fupe of Certificate cURus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Sirier arrangement brown, black, blue, white, green-yellow  Zable weight 48.4 g/m  Material jacket PVC  Shore hardness jacket 85 ± Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Duter-diameter (gacket) 5.2 mm  Duter diameter (sheath) 45 ± 5 %  Material wire insulation PVC  Material wire insulation 45 ± 5 %  Material properties wire insulation 45 ± 5 Shore D  Material properties 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) 19	Environmental characteristics   Climatic	
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.  Installation   Cable    Wire arrangement   brown, black, blue, white, green-yellow    Zable identification   015    Zable identification   015    Zable (Installation)   1    Zace   Carlificate   CuRus    Amount stranding   1    Ziranding   5 wires around Core filler twisted    Ziriller   yes    Wire arrangement   brown, black, blue, white, green-yellow    Zable weigth   48,4 g/m    Valaterial jacket   PVC    Schore hardness jacket   85 ± Shore A    Ziranding   5 wires around core filler twisted    Ziranding   6 wires around core filler twisted    Ziranding   6 wires around core filler twisted    Ziranding   7 wires around core filler twisted	Operating temperature min.	-25 °C
Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable  Wire arrangement brown, black, blue, white, green-yellow  Zable identification 015  Zable Type 1  Lacket Color yellow  Zype of Certificate cURus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Siller yes  Wire arrangement brown, black, blue, white, green-yellow  Zable weight 48,4 g/m  Alaterial jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Duter-diameter (jacket) 5,2 mm  Colerance outer diameter (sheath) ± 5 %  Alaterial wire insulation PVC  Amount wire insulation 1,25 mm  Duter diameter loberance core insulation 45 ± 5 Shore D  Alaterial properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Amount strands (wire) 19	Operating temperature max.	85 °C
Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable  Installation   Cable  Iric earrangement brown, black, blue, white, green-yellow  Italian   Cable    Iric earrangement    Iric earrangemen	additional condition temperature range	depending on cable quality
Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable    Wire arrangement   brown, black, blue, white, green-yellow    Cable identification   015    Cable identification   015    Cable (Installation)   1    Carrier of Certificate   cURus    Wire arrangement   brown, black, blue, white, green-yellow    Carrier of Certificate   cURus    Wire arrangement   brown, black, blue, white, green-yellow    Cable weight   48,4 g/m    Attential jacket   PVC    Cable weight   48,4 g/m    Attential jacket   PVC    Carrier of from ingredients (jacket)   lead-free, cadmium-free, CFC-free, silicone-free    Catler outer diameter (sheath)   ± 5 %    Attential wire insulation   PVC    Amount wires   5    Catler of dameter insulation   1,25 mm    Catler of dameter insulation   45 ± 5 Shore D    Attential properties wire insulation   good machinability    Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, silicone-free    Amount strands (wire)   19	Important installation notes	
Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable    Wire arrangement   brown, black, blue, white, green-yellow    Cable identification   015    Cable identification   015    Cable (Installation)   1    Sacket Color   yellow    Type of Certificate   cURus    Amount stranding   1    Stranding   5 wires around Core filler twisted    Sitiller   yes    Wire arrangement   brown, black, blue, white, green-yellow    Cable weigth   48,4 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   5    Duter diameter insulation   1,25 mm    Outer diameter tolerance core insulation   ± 5 %    Shore hardness wire insulation   good machinability    Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, silicone-free    Amount strands (wire)   19	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties
wire arrangement brown, black, blue, white, green-yellow Cable identification 015 Cable Type 1 Jacket Color yellow Type of Certificate cURus Amount stranding 1 Stranding 5 wires around Core filler twisted Freedom from ingredients (jacket) 192 mm Cable will properties wire insulation 1,25 mm Cuter diameter (bleance ore insulation 1,25 mm Caterial properties wire insulation 1,25 mm Material properties wire insulation 1,26 free, cadmium-free, CFC-free, silicone-free Manount strands (wire) 1,9 mm Material properties wire insulation 1,26 mm Material	Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
wire arrangement brown, black, blue, white, green-yellow Cable identification 015 Cable Type 1 Jacket Color yellow Type of Certificate cURus Amount stranding 1 Stranding 5 wires around Core filler twisted Freedom from ingredients (jacket) 19,2 mm Coller diameter (sheath) ± 5 % Amount stranding 44,8 ± 5 Shore D Material properties wire insulation 1,25 mm Material properties wire insulation 1,25 mm Material properties wire insulation 1,26 dead-free, cadmium-free, CFC-free, silicone-free Manuelt strands (wire) 19	Installation   Cable	· · ·
Cable Type         1           Jacket Color         yellow           Type of Certificate         cURus           Amount stranding         1           Stranding         5 wires around Core filler twisted           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weigth         48,4 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Duter-diameter (jacket)         5,2 mm           Folerance outer diameter (sheath)         ± 5 %           Amount wires         5           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           Incompany of the properties wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         19	·	brown black blue white groop vellow
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Acket Color yellow  Type of Certificate cURus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Stranding 5 wires around Core filler twisted  Wire arrangement yes  Wire arrangement brown, black, blue, white, green-yellow  Abable weigth 48,4 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Duter-diameter (jacket) 5,2 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 5  Duter diameter insulation 1,25 mm  Duter diameter tolerance core insulation ± 5 %  Shore hardness wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Amount strands (wire) 19		
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Stranding 5 wires around Core filler twisted  yes  wire arrangement brown, black, blue, white, green-yellow  Cable weigth 48,4 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Duter-diameter (jacket) 5,2 mm  Colerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 5  Duter diameter insulation 1,25 mm  Duter 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) 19		
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Cable weigth 48,4 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Duter-diameter (jacket) 5,2 mm  Folerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 5  Duter diameter insulation 1,25 mm  Duter 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) 19		<u> </u>
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Freedom from ingredients (jacket)  Duter-diameter (jacket)  5,2 mm  Folerance outer diameter (sheath)  Amount wires  Duter diameter insulation  PVC  Amount wires  Duter diameter insulation  Duter diameter tolerance core insulation  Folerance outer diameter insulation  1,25 mm  Duter diameter tolerance core insulation  Shore hardness wire insulation  Attenuate properties wire insulation  Description of the properties wire insulation  Attenuate properties wire insulation  Description of the properties wire insulation of the	·	-
Duter-diameter (jacket)  5,2 mm  Tolerance outer diameter (sheath)  45 %  Material wire insulation  PVC  Amount wires  5  Duter diameter insulation  1,25 mm  Duter diameter tolerance core insulation  45 %  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)  19	·	
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Material wire insulation PVC  Amount wires 5  Duter diameter insulation 1,25 mm  Duter 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) 19		· · · · · · · · · · · · · · · · · · ·
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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) 19		
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) 19		· · · · · · · · · · · · · · · · · · ·
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Amount strands (wire) 19	vialenal properties wire insulation	доод тасппаршу
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	ngredient freeness wire insulation	

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-23



Conductor crosssection (wire)	0,34 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	57 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
Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter