

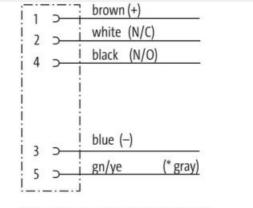
## M12 female 0° A-cod. with cable

PUR 5x0.34 bk UL/CSA+drag ch. 40m

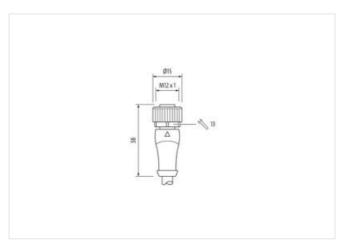
Female straight M12, 5-pole A-coded Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

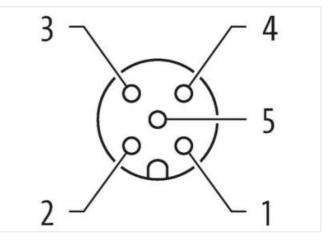
## Link to Product





(\* for cable type 126, 732, 219, 619, 729)





Product may differ from Image



Cable length

Side 1

Tightening torque

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: 2024-05-20

40 m

0,6 Nm



Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	5
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	27279218
ECLASS-6.1	27279218
ECLASS-0.1 ECLASS-7.0	27279218
ECLASS-7.0 ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-9.0 ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879600910
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	125 V
Operating voltage DC max.	125 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	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I
Mechanical data   Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Material gasket	FKM
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection

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Operating temporature min.28 °C.Operating temporature may.65 °CAddioral confilon temporature may.operating temporature may.Instruction trainition onesProtect the connector by subtle measures from mechanical loads, e.g. by the usage of cable tee.Note on train referProtection Coserve the permission bending and when bying cables, as the IP protection class can be endingeneed by excessive bending force.ContomityDNE 16 (70 2 101 (M12)Installation Operating72 2Cable identification72 2Cable identification72 2Cable identification72 2Cable identification9 with grayCable identification5 witres around Cone III'r WestedFileryesWard around permission in the set of the set	Environmental characteristics   Climatic	
Additional condition temperature range     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical toads, e.g. by the usage of cable lies.       Note on sharin relat     Protect the connectors by suitable measures from mechanical toads, e.g. by the usage of cable lies.       Conformity     Protect the connectors by suitable measures from mechanical toads, e.g. by the usage of cable lies.       Example of the connectors by suitable measures from mechanical toads, e.g. by the usage of cable lies.     Material Science	Operating temperature min.	-25 °C
Important installation notes     Veloc in statin relief     Protect the concentra by suitable measures from machanical loads, e.g. by the usage of cable lose.       Note on bending radiu     Attention: Observe the pomissible bending radii whon laying cables, as the IP protection class can be and unagored by excessive bending Incres.       Conformity     Product standard     DIN EN 61076-2-101 (M12)       Installation (Cable     Version black, blue, white, gray     Cable Standard       Vice arrangement     brown, black, blue, white, gray     Cable Standard       Cable Standard     732     Cable Standard       Cable Standard     UFLus     Cable Standard       Arrand standard     UFLus     Cable Standard       Strandard     5 vires arcond Care filter twisted     Filter       Vies     Strandard     Strandard     Standard       Strandard     90 ± 5 Stone A     Freedom Intern ingradients (jacket)     Idad Tree, cadmium free, CFC-free, halogen-free, silicone free       Outer diameter insulation     90 ± 5 Stone A     Freedom Intern ingradients (jacket)     Idad Tree, cadmium free, CFC-free, halogen-free, silicone free       Outer diameter insulation     12 Stone D     Stone Administry (jacket)     Idad Tree, cadmium.free, CFC-free, halogen-free, silicone free <td>Operating temperature max.</td> <td>85 °C</td>	Operating temperature max.	85 °C
Note on shrain relief     Protect the connectors by subable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bunding radius     Afteritor: Observe the permissible bending radii when kying cables, as the IP protection class can be endengened by excessive bending radii when kying cables, as the IP protection class can be endengened by excessive bending radii when kying cables, as the IP protection class can be endengened by excessive bending radii when kying cables, as the IP protection class can be endengened by excessive bending radii when kying cables, as the IP protection class can be endengened by excessive bending radii when kying cables, as the IP protection class can be endengened by excessive bending radii when kying cables, as the IP protection class can be endengened by excessive bending radii when kying cables, as the IP protection class can be endengened by excessive bending radii when kying cables, as the IP protection class can be endengened by excessive bending radii when kying cables, as the IP protection class can be endengened by excessive bending radii when kying cables, as the IP protection class can be endengened by excessive bending radii when kying cables, as the IP protection class can be endengened by excessive bending radii when kying cables, as the IP protection class can be endengened by excessive bending radii when kying cables, as the IP protection class can be endengened by excessive bending radii when kying cables, as the IP protection class can be endended by excessive bending radii when kying cables, as the IP protection class can be endended by excessive bending radii when kying cables, as the IP protection class can be endended by excessive bending radii when kying cables, as the IP protection class can be endended by excessive bending radii when kying cables, as the IP protection class can be endended by excessive bendib, gravi class can be endended by excessive bendin	Additional condition temperature range	depending on cable quality
Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection öldes can be endangered by excessive bending traces.       Contornity     Product Standard     DIN EN 61076-2-101 (M12)       Installation   Cable     Image: Cable Standard     DIN EN 61076-2-101 (M12)       Installation   Cable     Image: Cable Standard     DIN EN 61076-2-101 (M12)       Installation   Cable     Image: Cable Standard     DIN EN 61076-2-101 (M12)       Cable Golor     Diack     Type of Carificate     Olyna       Amount standing     1     Standard     Din Rule       Standing     5 wires around Core Iller twisted     Filer       View arrangement     Down, black, blue, white, gray     Cable weight     41.8 g/m       Material jacket     PUR     Standards     Standards     Standards       Stand finations is picket     PUR     Standards     Standards     Standards     Standards       Older diameter (glocket)     4.8 g/m     Standards     St	Important installation notes	
Nuclear Installation     endemgened by excessive bendling forces.       Contormity     endemgened by excessive bendling forces.       Product standard     DIN EN 61076-2-101 (M12)       Installation ( Cable     orryn, black, blue, while, gray       Cable identification     732       Cable identification     748       Cable identification     1       Stranding     5 Vers arrand Care filter twisted       Filter     yes       Wire arrangement     Errore, black, blau, while, gray       Cater admeter (identification)     4.8 fm       Telearon cater dimeter (identification)     5.5 %       Material wave insulation     7.5 5 Store D       Cater admeter (identification)	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 61076-2-101 (M12)       Installation ( Sabie destination ( Sabie Sabie destination )     Sabie destination )       Cable Type     3       Cable Type     3       Cable Type     3       Saked Color     black       Type of Certificate     cURus       Amount stranding     1       Stranding     Svies around Core filler twisted       Filler     yes       wire arrangement     brown, black, blue, white, gray       Cable weigh     41.8 g/m       Material jacket     PUR       Shore hardmess jacket     90.5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmum-free, CPC-free, halogen-free, silicone-free       Outer-diameter (skeath)     4.8 mm       Tolerance outer diameter (skeath)     5 %       Material wer insulation     72 5 Shore D       Outer diameter (skeath)     4.5 %       Shore hardmess were insulation     72 5 Shore D       Shore hardmess were insulation     73 5 Shore D       Foreadom free insulation     73 5 Shore D       Shore hardmess were insulation     74 5 Shore D       <	Note on bending radius	
Installation   Cable       wire arrangement     brown, black, blue, while, gray       Cable identification     732       Cable identification     732       Cable Type     3       Jacket Color     black       Type of Certificate     culfus       Amount stranding     1       Stranding     5 wires around Core filter twisted       Filter     yes       wire arrangement     brown, black, blue, white, gray       Cable weight     41.8 grim       Atarial jacket     PUR       Shore hardness jacket     90.3 5 Shore A       Freedon from ingredients (jacket)     4.8 mm       Tolerance outer diameter (isoket)     4.8 mm       Tolerance outer diameter (isoket)     4.8 mm       Tolerance outer diameter (isoket)     4.8 mm       Cuber diameter insultation     PP       Amount wires     5       Outer diameter insultation     73.5 Shore D       Ingredient freeness wire insultation     73.5 Shore D       Ingredient freeness wire insultation     16.3 %.       Material kea Market     Shore mathrees action wire	Conformity	
wire arangementbrown, black, blue, white, grayCable identification732Cable Type3Jacket ColorblackType of CortificatecuRusAmount stranding1Stranding5 wires around Core filer twistedFileryeswire arangementbrown, black, blue, white, grayCable type3Material jacketPURShore hardness jacket90 + 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CPC-free, halogen-free, silicone-freeCable wallsh4.8 mmTolerance outer diameter (behath)+ 5 %Cater diameter (insulationPPAmount strand, (win)4.8 mmTolerance outer diameter (insulation1.25 mmCuter diameter (insulation1.25 mmCuter diameter (insulation1.25 mmCuter diameter (insulation1.25 Shore DIngredient freeness wire insulation1.25 Shore DIngredient freeness wire insulation1.25 Shore DIngredient freeness wire insulation1.25 Shore DConductor crossescient (wire)0.24 mm³Material area (wire)0.42Diameter of single wires0.11 mmConductor wireStranded copper wire, bareConductor vireStranded copper wire, bareConductor vire </td <td>Product standard</td> <td>DIN EN 61076-2-101 (M12)</td>	Product standard	DIN EN 61076-2-101 (M12)
Cable identification   732     Cable Type   3     Jacket Color   black     Type of Certificatie   cUFus     Amount stranding   1     Stranding   5 wires around Core filler twisted     Filler   yes     wire arrangement   brown, black, blue, while, gray     Cable weigh   41.8 g/m     Material jacket   PUR     Shore hardness jacket   90 ± 5 Shore A     Freedom from ingrodients (jacket)   lead free, cadmium free, CPC-free, halogen free, allicone-free     Outer diameter (lacket)   4.8 mm     Tolerance under diameter (slacket)   1.25 ms     Affine diameter files wite insulation   1.25 ms     Outer diameter insulation   1.25 ms     Conductor type (wire)   42     Diameter of single wires   0.1 mm     Conductor troises wire insulation   1.25 ms     Conductor type (wire)   44     Diameter of single wires   0.1 mm     Conductor troises wire insulation	Installation   Cable	
Cable identification   732     Cable Type   3     Jacket Color   black     Type of Certificatie   cUFus     Amount stranding   1     Stranding   5 wires around Core filler twisted     Filler   yes     wire arrangement   brown, black, blue, while, gray     Cable weigh   41.8 g/m     Material jacket   PUR     Shore hardness jacket   90 ± 5 Shore A     Freedom from ingrodients (jacket)   lead free, cadmium free, CPC-free, halogen free, allicone-free     Outer diameter (lacket)   4.8 mm     Tolerance under diameter (slacket)   1.25 ms     Affine diameter files wite insulation   1.25 ms     Outer diameter insulation   1.25 ms     Conductor type (wire)   42     Diameter of single wires   0.1 mm     Conductor troises wire insulation   1.25 ms     Conductor type (wire)   44     Diameter of single wires   0.1 mm     Conductor troises wire insulation	wire arrangement	brown, black, blue, white, gray
Jacket Color     black       Type of Certificate     cURus       Amount stranding     1       Stranding     5 wires around Core filler twisted       Filler     yes       wire arrangement     brown, black, blue, while, gray       Cable weigth     41.8 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-tree, cadmium-free, CFC-tree, halogen-free       Outer diameter (jacket)     ± 5 %       Material wire insulation     PP       Amount wires     5       Outer diameter insulation     1,25 mm       Diameter of single wires     0,1 mm       Conductor crossection (wire)     0,34 mm <sup>2</sup> Diameter of single wires     0,1 mm       Conductor type (wire)     strand class 6       Nommal voltage AC max.     300 V <	Cable identification	732
Type of Certificate     cURus       Amount stranding     1       Stranding     5 wires around Core filler twisted       Filler     yes       wire arrangement     brown, black, blue, while, gray       Cable weigh     41.8 g/m       Material jackat     PUR       Shore hardness jacket     90.5 Shore A       Freedom from ingredients (jacket)     4.8 mm       Tolerance outer diameter (sleakth)     4.5 %       Material wire insulation     PP       Amount wires     5       Outer diameter (sleakth)     1.25 mm       Outer diameter insulation     1.4 % %       Normal triangle wires     0,1 mm       Conductor crossection (wire)     0,34 mm²       Material wein strand class 6     Nominal voltage AC max.       Nominal voltage AC max.     300 V       Current load capacity min.wire     4,5 A       Electrical resistance line constant wire     57.0k	Cable Type	3
Amount stranding   1     Stranding   5 wires around Core filler twisted     Filler   yes     wire arrangement   brown, black, blue, white, gray     Cable weigth   41.8 g/m     Material jacket   PUR     Shore hardness jacket   90.5 S hore A     Freedom from ingredients (jacket)   lead-tree, cadmium-free, CFC-free, halogen-free, silicone-free     Outer-diameter (jacket)   4.8 mm     Tolerance suff diameter (sleatch)   1.5 %     Material wire insulation   PP     Amount wires   5     Outer diameter (sleatch)   1.25 mm     Outer diameter insulation   1.25 mm     Outer diameter insulation   70.5 S hore D     Ingredient freeness wire insulation   70.5 S hore D     Ingredient freeness wire insulation   1.25 mm     Conductor crossection (wire)   0.34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor vires   Stranded copper wire, bare     Conductor vire   Stranded copper wire, bare     Conductor vire   Stranded copper wire, bare     Conductor vire   Stranded copper wire, bare     Conductor vire </td <td>Jacket Color</td> <td>black</td>	Jacket Color	black
Stranding   5 wires around Core filler twisted     Filer   yes     wire arangement   brow, black, blue, white, gray     Cable weigth   41.8 g/m     Material jacket   PUR     Shone hardness paket!   90:5 Shore A     Freedom from ingredients (jacket)   lead free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer-diameter (jacket)   4.8 mm     Tolerance outer diameter (sheath)   2 5 %     Material wire insulation   PP     Amount wires   5     Outer diameter insulation   1.25 mm     Outer diameter tolerance core insulation   1.5 %     Shore hardness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount stands (wire)   42     Diameter of single wires   0.1 mm     Conductor crosssection (wire)   0.34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Nominal voltage (Ware wire)   0.1 NUVDE 0298-4     Current load capacity min. wire   4.5 A     Electrical resistance line constant wire   5.7 CUm @ 20 °C     Ac vuritstand voltage (Wire wire)	Type of Certificate	cURus
Filler     yes       wire arrangement     brown, black, blue, white, gray       Cable weight     41.8 g/m       Material jackt     PUR       Shore hardness jackt     90.4 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (gacket)     4.8 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     5       Outer diameter tolerance core insulation     1.25 mm       Outer diameter tolerance core insulation     1.25 mm       Outer diameter tolerance core insulation     1.25 fm       Outer diameter tolerance core insulation     1.25 mm       Outer diameter of langle wires     0.1 mm       Conductor coreascesciton (wire)     0.34 mm <sup>2</sup> Diameter of single wires     0.1 mm       Conductor type (wire)     strand class 6       Nominal vordage (wire - wire)     2.5 kV @ 60 s       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     sto P or C       Ac withstand voltage (wire - wire)     2.5 kV @ 60 s </td <td>Amount stranding</td> <td>1</td>	Amount stranding	1
wire arrangement     brown, black, blue, white, gray       Cable weigth     41.8 g/m       Material jacket     PUR       Shore hardness jacket     90.15 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4.8 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     5       Outer diameter tolerance ocre insulation     1.25 mm       Outer diameter insulation     70.1 5 Shore D       Ingredient freeness wire insulation     125 Shore D       Conductor type (wire)     0.1 mm       Conductor type (wire)     57 and class 6       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)	Stranding	5 wires around Core filler twisted
wire arrangement     brown, black, blue, while, gray       Cable weigth     41.8 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       Outer-diameter (jacket)     4.8 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount Wires     5       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     16 5 %       Shore hardness wire insulation     10 ± 5 Shore D       Ingredient freeness wire insulation     10 ± 5 Shore D       Ingredient freeness wire insulation     10 ± 42       Diametor of single wires     0,1 mm       Conductor type (wire)     57 and class 6       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (minin, wire     4,5 A		yes
Cable weight   41.8 g/m     Material jacket   PUR     Shore hardness jacket   90 ± 5 Shore A     Freedom from lingedients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer-diameter (jacket)   4.8 mm     Tolerance outer diameter (jacket)   ± 5 %     Material Wie Insulation   PP     Amount wires   5     Outer diameter insulation   1.25 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   1.25 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   1.25 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   42     Diameter of single wires   0.1 mm     Conductor crosssaction (wire)   0.34 mm <sup>2</sup> Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Nominal voltage AC max.   300 V     Current load capacity min. wire   4.5 A     Electrical resistance line constant wire	wire arrangement	
Material 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)     4.8 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     5       Outer diameter insulation     1.25 mm       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor crossection (wire)     0.34 mm²       Material anductor wire     Stranded copper wire, pare       Conductor type (wire)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (wire-wire)     2.5 KV @ 60 s       Power frequency withstand voltage (wire - 2.5 KV @ 60 s     2.5 KV @ 60 s       Min. operating temperature (stac)     80 °C / 90 °C @ 10000 h		
Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free     Outer-diameter (jacket)   4.8 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wise insulation   PP     Amount wires   5     Outer diameter insulation   1.25 mn     Outer diameter tolerance core insulation   1.25 %     Shore hardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   42     Diameter of single wires   0,1 mm     Conductor rossection (wire)   0.34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN DE 0298-4     Current load capacity (wind wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - iso 2,5 kV @ 60 s     jacket)   2,5 kV @ 60 s     Min. operating temperature (fixed)   40 °C     Min. operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operati	Material jacket	PUR
Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free     Outer-diameter (jacket)   4.8 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wise insulation   PP     Amount wires   5     Outer diameter insulation   1.25 mn     Outer diameter tolerance core insulation   1.25 %     Shore hardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   42     Diameter of single wires   0,1 mm     Conductor rossection (wire)   0.34 nm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (wine)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - size)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - 4,5 %   2,5 kV @ 60 s     Min. operating temperature (static)   -40 °C     Min. operating temperature (static)   -25 % 0° C @ 10000 h Operation     Operating temperature m		90 ± 5 Shore A
Outer-diameter (jacket)     4.8 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     5       Outer diameter insulation     1.25 mm       Outer diameter insulation     ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0.1 mm       Conductor rosssection (wire)     0.34 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity win. wire     4,5 A       Electrical resistance line constant wire     57 Ω/km @ 20 °C       AC withstand voltage (wire -     2,5 kV @ 60 s       Power frequency withstand voltage (wire -     2,5 kV @ 60 s       Min. operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation	-	
Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   5     Outer diameter insulation   1,25 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   42     Diameter of single wires   0,1 mm     Conductor rorssection (wire)   0,34 mm <sup>2</sup> Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     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 -   2,5 kV @ 60 s     Power frequency withstand voltage (wire -   2,5 kV @ 60 s     Ma. operating temperature min. (dynamic)   -25 °C     Operating temperature min. (dynamic)   -25 °C     Operating temperature min. (dynamic)   80 °C / 90 °C @ 10000 h Operation     UV resistance   UIN EN ISO 4892-2 A		
Material wire insulation     PP       Amount wires     5       Outer diameter insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor crosssection (wire)     0,34 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (wire - wire)     2,5 kV @ 60 s       Power frequency withstand voltage (wire - ispace)     2,5 kV @ 60 s       Min. operating temperature (istatic)     -40 °C       Max. operating temperature (istacic)     -40 °C       Max. operating temperature min. (dynamic)     -25 °C       Operating temperature min. (dynamic)     -25 °C       Operating temperature max. (dynamic)     80 °C / 90 °C @ 10000 h Op		
Amount wires     5       Outer diameter insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     1e 5 %       Shore hardness wire insulation     1e 4 5 %       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor cosssection (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor vire     Stranded copper wire, bare       Conductor wire     Stranded copper wire, bare       Cournet toad capacity (standard)     to DIN VDE 0298-4       Current toad capacity (standard)     to D'N'C	. ,	
Outer diameter insulation   1,25 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   42     Diameter of single wires   0,1 mm     Conductor crossection (wire)   0,34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor vire   Stranded copper wire, bare     Conductor (vire)   strand class 6     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (wire)   2,5 kV @ 60 s     Electrical resistance line constant wire   57 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - iacket)   40 °C     Max. operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature min. (dynamic)   -25 °C     Operating temperature max. (dynamic)   -25 °C     Operating temperature max. (dynamic)   -25 °C     Operating temperature max. (dynamic)   -25 °C     Operatin		
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Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor orsssection (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Min. operating temperature (wire - wire)     2,5 kV @ 60 s       Power frequency withstand voltage (wire - jacket)     2,5 kV @ 60 s </td <td></td> <td>·</td>		·
Ingredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire57 Q/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sOperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testing		
Amount strands (wire)   42     Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0,34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (istandard)   to DIN VDE 0298-4     Current load capacity (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - inc)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - inc)   40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature max. (dynamic)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     UV resistance   DIN EN ISO 4892-2 A     Flame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing		
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Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Nominal voltage AC max.   300 V     Current load 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   57 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature min. (dynamic)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     UV resistance   DIN EN ISO 4892-2 A     Flame resistance   UL 1581 § 1000   UL 1581 § 1100 FT2   IEC 60332-2-2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing		·
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UV resistance   DIN EN ISO 4892-2 A     Flame resistance   UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing		
Flame resistance   UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing		
chemical resistance Good, application-related testing   Gasoline resistance Good, application-related testing		
Gasoline resistance Good, application-related testing		
Oil resistance DIN EN 60811-404   Good, application-related testing		
	OII resistance	DIN EN 60811-404   Good, application-related testing

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: 2024-05-20



Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	10 m @ 25 °C   horizontal
Travel speed (C-track)	3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min

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: 2024-05-20