

## M12 male 0° / M12 female 0° A-cod. V2A

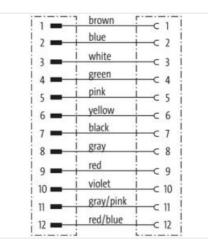
PUR 12x0.25 gy UL/CSA+drag ch. 10m

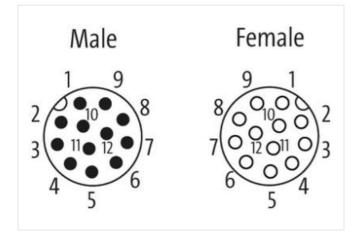
Male straight – female straight M12 – M12 12-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Stainless steel 1.4305 (V2A) Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

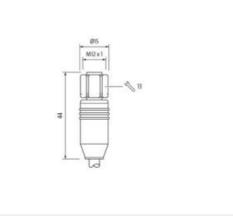
## Link to Product



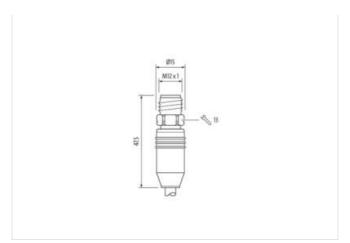












Product may differ from Image



Cable length	10 m
Side 1	
Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
Coding	A
Width across flats	SW13
Side 2	
Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
Coding	A
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4065909010488
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
Current operating per contact max.	1,5 A
Device protection   Electrical	
Degree of protection (EN IEC 60529)	IP65, IP67, IP68, IP66K
Additional condition protection degree	inserted, screwed

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: 2024-06-26

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Product number     3       Reade surge voltage     0.8 4V       Material provang (EC 00064-1)     II       Mechanical dotal Material data     Stanless areal 1.4035 (V2A)       Mechanical dotal Material data     Stanless areal 1.4035 (V2A)       Mechanical dotal forming data     Insurface, servered, Shaking protection       Important installation notes     Protect the connections by suitable measures from mechanical loads, e.g. by the usage of cable itek.       Note on strain relef     Protect the connections by suitable measures from mechanical loads, e.g. by the usage of cable itek.       Note on train relef     Protect the connections by suitable measures from mechanical loads, e.g. by the usage of cable itek.       Note on train relef     Protect the connections by suitable measures from mechanical loads, e.g. by the usage of cable itek.       Note on train relef     Protect the connections by suitable measures from mechanical loads, e.g. by the usage of cable itek.       Note on train relef     Protect the connections by suitable measures from mechanical loads, e.g. by the usage of cable itek.       Note on train relef     Protect the connections by suitable measures from mechanical loads, e.g. by the usage of cable itek.       Note of cable development     grappink. Volt, red-blue, brown, red, grap, black yellow, pink, grean, white, blue       Cable development     grappink. Volt,		
Material proop (FEC 60864-1)     II       Mechanical data     Material factorial       Material facinity     PUR       Locking mode/stal     Stalinities steel 1.4005 (V2A)       Mechanical data     Mounting mode/stal       Kentanical data     Mounting mode/stal       Mounting mode/stal     Stalinities steel 1.4005 (V2A)       Mechanical data     Mounting mode/stalinities       Kentani reliad     Product the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tees.       Contornity     Contornity     Product standard     DIN EN 16762-101 (M12)       Instaliation 1 Cable     (value, mode/stal) books, yealow, product, gray, black, yealow, product, gray, black, yealow, product, gray, black, def Mager     Mount staling       View arrangement     gray-pink, volet, red-black, brown, red, gray, black, yealow, pink, green, white, blue     Cable identification       Standing     Preces     Standing     Preces     Standing     Standing     Standing (Vp02)     1       Standing (Vp02)     1     Standing (Vp02)     1     Standing (Vp02)     1     Standing (Vp02)     1     Standing (Vp02)     1     Standing (Vp02)     1     Standing (Vp02)	Pollution Degree	3
Material data     Vertical data       Material housing     PUR       Conding material     Stainless studt 4.005 (V2A)       Machanical data     Mounting data       Mounting method     inserted, sortweed, Shafeng protocolon       Important insellation noise     Protocol the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes.       Note on bending radius     Protocol the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes.       Protocol startal relief     Protocol the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes.       Material Statu     DIN EN 01076-2-101 (M12)       Installation I Cable     UPN       Protocol startanding     Sint Statu       Jacket Color     9199       Type of Certificat     CIFIus       Annount stranding (type 2)     1       Stranding (type 2)     1 </td <td></td> <td>·</td>		·
Material housing     PUR       Lording material     Saintess steel 1.4305 (V2A)       Mechanical datal (Mouning data)     Inserted, screwed, Shaking protection       Important installation notes     Protect the connection by suitable measures from mechanical loads, e.g. by the usage of cable ites.       Note on strain relief     Protect the connection by suitable measures from mechanical loads, e.g. by the usage of cable ites.       Note on bending radius     Attention: Observe the permitability thrating radii when isying cables, as the IP protection dass can be achagened by oxessave banding torse.       Contormity     Important issues in the permitability thrating radii when isying cables, as the IP protection dass can be achagened by oxessave banding torse.       Verter astrandem     (Pay-pink, volet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue       Cable dealification     301       Stacket Cabr     (Pay       Type of Cartificate     c.UPus       Arrount standing (type 2)     1       Stranding (type 2)     9 wise strand stranding combination twisted       Banding     Fleese       Wire astrandem (type 2)     9 wise stranding combination twisted       Banding     Fleese       Wire astranding (type 2)     9 wise stranding combination twisted		1
Locking material     Stainless steel 1.4305 (V2A)       Mechanical data     Mouning method       Mouning method     inserted, screwed, Shaking prolocition       Important Installation notes     Prodect the connectors by suitable measures from mechanical kods, e.g. by the usage of cable ties.       Note on barding radiu     Attention: Conserve the permissible banding radii when laying cables, as the IP protection class can be endingered by excessive bonding forces.       Conformity     Product standard       Product standard     DIN EN 61076-2-101 (M12)       Installation (Cable     uses when do the burne, red, gray, black, yellow, pink, green, while, blue       Cable identification     301       Jackai Color     gray       Type of Carifical     CUPus       Armount stranding     1       Stranding (type 2)     9       Stranding (type 2)     1       Stranding (type 2)     1	Mechanical data   Material data	
Macuning method     Inserted, screwed, Shaking protection       Important Installation notes     Inserted, screwed, Shaking protection       Note on stain relief     Protect the connectors by subable measures from mechanical loads, e.g. by the usage of cable fes.       Nate on bending radius     Attention: Cbearewet the permissible bending radiu when laying cables, as the IP protection class can be endangered by excessive bending forces.       Controlly     Protect the connectors by subable measures from mechanical loads, e.g. by the usage of cable fes.       Mathematical Cable     UNE 81076-2-101 (M12)       Master argement     gray-pink, kolel, red-blue, brown, red, gray, black, yellow, pink, green, white, blue       Cable identification     301       Jacket Colon     gray       Type of Controlate     U/Rus       Amount stranding (type 2)     1       Stranding (type 2)     9 wise around Stranding combination twisted       Banding     Floeco       Wear mangement     gray-pink, wolet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue       Cable weight     69.3 g/m       Material jacket     PUR       Presero from ingredents (igkokt)     18.4 fes. cadmum-free. CPC-free, halogen-free, silicone-free       Amount stranding (type 2)     5 hs	Material housing	PUR
Mounting method     inserted, scrowed, Shaking protection       Importain installation noise     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes.       Note on banding radius     Attention: Observe the permissible bending radii when loying cables, as the IP protection class can be endargered by excessive bending forces.       Conformity     Product standard     DIN EN 61076-2-101 (M12)       Installation (Cable     wire arrangement     gray pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue       Cable identification     301     Jacket Color     gray       Type of Cartificate     culRus     Amount stranding     1       Stranding     9 wires around Stranding combination twisted     Banding     Stranding (type 2)       Stranding (type 2)     9     wires arrangement     gray gript, violet, red-blue, brown, red, gray, black, yellow, pink, green, while, blue       Cable identification     0.9     1     Stranding (type 2)     1       Stranding (type 2)     1     1     Stranding (type 2)     1       Stranding (type 2)     1     Stranding (type 2)     1     Stranding (type 2)     1       Stranding tity, violet, red blue, thown, red, gray, black, yellow, pi	Locking material	Stainless steel 1.4305 (V2A)
Important installation notes     Poles is seain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable less.       Note on berding radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive banding forces.       Contornity     Product standard     DIN EN 61076-2-101 (M12).       Installation (Cable     using arrangement     gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue       Cable identification     301     Jacker Color     gray       Type of Cartificate     cURus     CuRus       Amount stranding     1     Stranding     Stranding       Stranding (type 2)     1     Stranding (type 2)     1       Stranding (type 2)     9 wires around Stranding combination twisted     Banding       Banding     Fleece     Fleece     Fleece       Wire arrangement     gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue       Cable weight     65.3 gra     Stra Martingator     Fleece       Grademeter (sheath)     25 % Strase A     Freedom from ingredients (gachat)     Flee       Cuber diameter (gleech)     7 %     Stras </td <td>Mechanical data   Mounting data</td> <td></td>	Mechanical data   Mounting data	
Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Note on bunding radus     Attention: Observe the permissible banding radii when luying cables, as the IP protection class can be ending forces.       Commity     Product standard     DIN EN 61076-2-101 (M12)       Installation I Cable     Units of 0.0000000000000000000000000000000000	Mounting method	inserted, screwed, Shaking protection
Note on bending radius     Attention: Observe the parmitesible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Endangered by excessive bending forces.       Product standard     DIN EN 61076-2-101 (M12)       Installation (Cable     gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue       Cable identification     301       Jacket Color     gray       Type of Certificate     OUFUS       Amount stranding     1       Stranding (type 2)     9     wrise arrangement     gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue       Cable dentification     301     Jacket Color     gray       Type of Certificate     OUFUS     Amount stranding (type 2)     1       Stranding (type 2)     9     wrise arrangement     gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue       Cable weigh     69.3 grm     Material picket     PUR       Stranding (type 2)     9     wrise acangement, gray-pink, violet, red, Bray, Diak, yellow, pink, green, white, blue       Cabre damber (facket)     PUR     Strande     Strande       Dish braches	Important installation notes	
Number	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 61076-2101 (M12)   Installation   Cable gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue   Cable identification 30 1   Jackat Color gray   Type of Certification 01 1   Stranding 1   Stranding (type 2) 9 wires around Stranding combination twisted   Bandring Fleece   Wire arrangement gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue   Cable weight 69.3 g/m   Material jacket PUF   Store hardness jacket 85 ± 5 Shore A   Freedom from ingredients (jacket) 12   Outer diameter (sheath) ± 5 %   Material wire insulation PP   Anount stranding 12   Outer diameter (sheath) ± 5 %   Material wire insulation PP   Anount wires 12   Outer diameter (sheath) ± 5 %   Material wire insulation 50 ± 5 Shore A   Freedom from ingredients (jacket) 125   Outer diameter (sheath) ± 5 %   Material wire insulation 12   Outer diameter (sheath) ± 5 %   Material wire insulation 50 ± 5 Shore D   Ingredient freeness wire insulation	Note on bending radius	
Installation   Cable       wire arrangement     gray pink, violet, red blue, brown, red, gray, black, yellow, pink, green, white, blue       Cable identification     301       Jacket Cofor     gray       Type of Certificate     cUFlus       Amount stranding     1       Stranding     3 wires twisted       Amount stranding (type 2)     1       Stranding (type 2)     9 wires around Stranding combination twisted       Banding     Fleece       wire arrangement     gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue       Cable weigth     69.3 g/m       Material jacket     PUR       Shore hardness jackat     85 ± 5 Shore A       Freedom from ingredients (jacket)     7 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     12       Outer diameter (sheath)     ± 5 %       Shore hardness wire insulation     12.8 Shore A       Freedom from ingredients (jacket)     5 /s S Shore O       Outer diameter (sheath)     ± 5 %       Shore hardness wire insulation     1.2 S mm <	Conformity	
Installation   Cable       wire arrangement     gray pink, violet, red blue, brown, red, gray, black, yellow, pink, green, white, blue       Cable identification     301       Jacket Cofor     gray       Type of Certificate     cUFlus       Amount stranding     1       Stranding     3 wires twisted       Amount stranding (type 2)     1       Stranding (type 2)     9 wires around Stranding combination twisted       Banding     Fleece       wire arrangement     gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue       Cable weigth     69.3 g/m       Material jacket     PUR       Shore hardness jackat     85 ± 5 Shore A       Freedom from ingredients (jacket)     7 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     12       Outer diameter (sheath)     ± 5 %       Shore hardness wire insulation     12.8 Shore A       Freedom from ingredients (jacket)     5 /s S Shore O       Outer diameter (sheath)     ± 5 %       Shore hardness wire insulation     1.2 S mm <	Product standard	DIN EN 61076-2-101 (M12)
wire arrangement     gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue       Cable identification     301       Jacket Color     gray       Type of Certificate     cuRus       Amount stranding     1       Stranding     3 wires twisted       Amount stranding (type 2)     9 wires around Stranding combination twisted       Banding     Fleece       Wire arrangement     gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue       Cable weight     693 grn       Material jacket     PUR       Shore hardness jacket     85 ts 5 Shore A       Freedom from ingredients (jacket)     1 asd-tree, cadmium-tree, CFC-tree, halogen-free, silicone-free       Outer-diameter (gacket)     7 mm       Tolerance outer diameter (sheath)     2 5 %       Material Wire insulation     PP       Amount strander     5 % Shore D       Ingredient freeness wire insulation     1.25 mm       Outer diameter insulation     1.26 ms       Order diameter (sheath)     2 5 %       Shore hardness wire insulation     1.45 ms       Outer diameter insulation     1.25 ms <td></td> <td></td>		
Cable identification   301     Jacket Color   gray     Type of Certificate   cURus     Amount stranding   1     Stranding (type 2)   9 Wries around Stranding combination twisted     Barding   Fleece     wire arrangement   gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue     Cable weight   69.3 g/m     Material jacket   PUR     Shore hardness jacket   85.5 Shore A     Freedom from ingredients (jacket)   7 mm     Tolerance outer diameter (sheath)   1.5 %     Material wire insulation   PP     Amount wires   12     Outer diameter insulation   1.25 mm     Outer diameter insulation   1.25 mm     Outer diameter insulation   5 %     Shore hardness wire insulation   5 %     Shore hardness wire insulation   5 %     Shore bardness wire insulation   1.25 mm     Outer diameter insulation   1.25 mm     Outer diameter insulation   5 %     Shore hardness wire insulation   5 %     Shore bardness wire insulation   5 %     Shore bardness wire insulat	· · · · ·	
Jacket Color gray   Type of Cortificate cURus   Amount stranding 1   Stranding 3 wires twisted   Amount stranding (type 2) 1   Stranding 9 wires around Stranding combination twisted   Banding Fleece   wire arrangement gray-pirk, violet, red-blue, brown, red, gray, black, yellow, pirk, green, white, blue   Cable weight 69.3 g/m   Material jacket PUR   Shore hardness jacket1 65 ± 5 Shore A   Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   Outer-diameter (jacket) 7 mm   Tolerance outer diameter (sheath) 2 5 %   Material urie insulation PP   Amount strands (wire) 1 25 mm   Outer diameter insulation 5 5 Shore D   Ingredient feenees wire insulation 5 2 Shore D   Ingredient feenees wire insulation 1 25 mm   Outer diameter insulation 5 2 Shore D   Ingredient feenees wire insulation 5 2 Shore D   Ingredient freenees wire insulation 1 25 mm <sup>2</sup> Outer diameter (sheath) 3 2   Dameter of single wires 0.1 mm <sup>2</sup> Conductor rossection (wire) 0.25 mm <sup>2</sup> Material conductor wire Stranded co		
Type of Certificate   cURus     Amount stranding   1     Stranding   3 wires twisted     Amount stranding (type 2)   9 wires around Stranding combination twisted     Banding   Fleece     wire arrangement   gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue     Cable weigth   69,3 g/m     Material jacket   PUR     Shore hardness jacket   85 ± 5 Shore A     Freedom from ingredients (jacket)   7 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Anount wires   12     Outer diameter insulation   1.25 mm     Outer diameter insulation   1.25 mm     Outer diameter insulation   1.24 for a Camium-free, CFC-free, halogen-free, silicone-free     Ingredient freeness wire insulation   1.25 mm     Outer diameter insulation   1.25 mm     Outer diameter insulation   1.25 mm     Outer diameter insulation   1.25 fore D     Ingredient freeness wire insulation   1.25 fore D     Ingredient freeness wire insulation   1.25 fore D     Ingredient freeness wire insulation   1.25 fore D		
Amount stranding   1     Stranding   3 wires twisted     Amount stranding (type 2)   1     Stranding (type 2)   9 wires around Stranding combination twisted     Banding   Fleece     wire arrangement   gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue     Cable weigth   69,3 g/m     Material jackt   PUR     Shore hardness jacket   85 ± 5 Shore A     Freedom from ingredients (jacket)   Itead-free, cadmium-free, CFC-free, halogen-free     Outer-diameter (jacket)   7 mm     Tolerance outer diameter (jacket)   7 mm     Material jacki insulation   PP     Amount wires   12     Outer diameter insulation   1.25 mm     Outer diameter insulation   1.25 mm     Outer diameter insulation   1.25 mm     Outer diameter insulation   5 ± 5 Shore D     Ingredient freeness wire insulation   1.25 mm     Conductor cossection (wire)   32     Diameter of single wires   0.1 nm     Conductor type (wire)   strand class 6     Nominal voltage AC max.   300 V     Current load capacity (standard)		
Stranding   3 wires twisted     Amount stranding (type 2)   1     Stranding (type 2)   9 wires around Stranding combination twisted     Banding   Fleece     wire arrangement   gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue     Cable weigth   69.3 g/m     Material jackt   PUR     Shore hardness jacket   85 ± 5 Shore A     Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer-diameter (jacket)   7 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   12     Outer diameter tolerance core insulation   1.25 mm     Outer diameter tolerance core insulation   50 ± 5 Shore D     Ingredient freeness wire insulation   50 ± 5 Shore D     Ingredient freeness wire insulation   50 ± 5 Shore D     Ingredient freeness wire insulation   50 ± 5 Shore D     Ingredient freeness wire insulation   50 ± 5 Shore D     Ingredient freeness wire insulation   1.25 mm     Conductor orisesection (wire)   0.25 mm²     Diameter of single wiress   0.1 mm <t< td=""><td></td><td></td></t<>		
Amount stranding (type 2)   1     Stranding (type 2)   9 wires around Stranding combination twisted     Banding   Fleece     wire arrangement   gray-pink, volet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue     Cable weigth   69.3 g/m     Material jacket   PUR     Shore hardness jacket   85 ± 5 Shore A     Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer-diameter (jacket)   7 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   12     Outer diameter (sheath)   ± 5 %     Shore hardness wire insulation   1,25 mm     Outer diameter iosulation   1,25 mm     Outer diameter iosulation   50 ± 5 Shore D     Ingredient freeness wire insulation   164 %     Conductor crosssection (wire)   0,25 mm <sup>2</sup> Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strande copper wire, bare     Conductor type (wire)   strand class 6     Nominal voltage AC max.   300 V     Current load capacity (standard)   <		
Stranding (type 2)   9 wires around Stranding combination twisted     Banding   Fleece     wire arrangement   gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue     Cable weight   69,3 g/m     Material jacket   PUR     Shore hardness jacket   85 ± 5 Shore A     Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free     Outer-diameter (jacket)   7 mm     Tolerance outer diameter (sheath)   ± 5 %     Material jacket   PP     Amount wires   12     Outer diameter tolerance core insulation   1,25 mm     Outer diameter tolerance core insulation   1,25 mm     Outer diameter tolerance core insulation   16 ± 5 %     Shore hardness wire insulation   1,25 mm     Outer diameter tolerance core insulation   1.25 mm     Outer diameter tolerance core insulation   18 ± 5 Shore D     Ingredient freeness wire insulation   19 ± 5 %     Shore hardness wire insulation   18 ± 6 schminum-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   32     Diameter of single wires   0,1 mm     Conductor type (wire)   strand class 6<		
Banding     Fleece       wire arrangement     gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue       Cable weigth     69,3 g/m       Material jacket     PUR       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     7 mm       Tolerance outer diameter (sheath)     ± 5 %       Material jacket     PP       Amount wires     12       Outer diameter tolerance core insulation     1.25 mm       Outer diameter insulation     50 ± 5 Shore D       Ingredient freeness wire insulation     50 ± 5 Shore D       Ingredient freeness wire insulation     1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     32       Diameter of single wires     0,1 mm       Conductor wire     Stranded copper wire, bare       Conductor vipe (wire)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. wire     3 A       Electrica resista		
wire arangement     gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue       Cable weigth     69.3 g/m       Material jacket     PUR       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     7 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     12       Outer diameter lolerance core insulation     1.25 mm       Outer diameter lolerance core insulation     50 ± 5 Shore D       Ingredient freeness wire insulation     160 ± 5 %       Shore hardness wire insulation     50 ± 5 Shore D       Ingredient freeness wire insulation     12.2 Shore D       Ingredient freeness wire insulation     182 free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     32       Diameter of single wires     0,1 mm       Conductor rowsection (wire)     0,25 mm²       Material voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. wire     3		
Cable weigth   68,3 g/m     Material jacket   PUR     Shore hardness jacket   85 ± 5 Shore A     Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free     Outer-diameter (jacket)   7 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   12     Outer diameter insulation   1.25 mm     Outer diameter core insulation   ± 5 %     Shore hardness wire insulation   50 ± 5 Shore D     Ingredient freeness wire insulation   60 ± 5 % hore D     Ingredient freeness wire insulation   12 Shore D     Ingredient freeness wire insulation   12 Shore bardness, wire insulation     Conductor crossection (wire)   0.25 mm²     Material wires   0.1 mm     Conductor rwire   Stranded copper wire, bare     Conductor wire   Stranded copper wire, bare	Banding	
Material jacketPURShore hardness jacket $85 \pm 5$ Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)7 mmTolerance outer diameter (sheath) $\pm 5$ %Material wire insulationPPAmount wires12Outer diameter insulation1,25 mmOuter diameter insulation $50 \pm 5$ Shore DIngredient foreness wire insulation $50 \pm 5$ Shore DIngredient freeness wire insulation $50 \pm 5$ Shore DIngredient freeness wire insulation $125$ %Mount strands (wire)32Diameter of single wires0,1 mmConductor wireStranded copper wire, bareConductor wireStranded copper wire, bareConductor wireStranded copper wire, bareCourrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity withstand voltage (wire - wire) $1,5 V @ 60 s$ Electric capacitance80000 pF/kmPower frequency withstand voltage (wire - ister) $1,5 V @ 60 s$ Electric appearing temperature (static) $-40  °C$ Min : operating temperature (static) $-40  °C$		
Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     7 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     12       Outer diameter insulation     1.25 mm       Outer diameter insulation     5 %       Shore hardness wire insulation     5 1.25 mm       Outer diameter insulation     5 5 %       Shore hardness wire insulation     1.25 mm       Outer diameter insulation     50 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     32       Diameter of single wires     0,1 mm       Conductor wire     Stranded copper wire, bare       Conductor wire     Stranded copper wire, bare       Conductor wire     Stranded copper wire, bare       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. wire     3 A       Electrical resistance lin		
Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer-diameter (jacket)   7 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   12     Outer diameter risulation   1.25 mm     Outer diameter rolerance core insulation   5 %     Shore hardness wire insulation   50 ± 5 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   32     Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0.25 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 (standard)   to DIN VDE 0298-4     Current load capacity (wire - wire)   1,5 kV @ 60 s     Electrical resistance line constant wire   76 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   1,5 kV @ 60 s     Electric capacitance   800000 pF/km     Power frequency withstand voltage (wire - is	Material jacket	
Outer-diameter (jacket)7 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires12Outer diameter insulation1,25 mmOuter diameter insulation± 5 %Shore hardness wire insulation50 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crossection (wire)0,25 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 (standard)to DIN VDE 0298-4Current load capacity (wire - wire)1,5 kV @ 60 sElectric capacitance80000 pF/kmPower frequency withstand voltage (wire - iacket)1,5 kV @ 60 sMin. operating temperature (static)-40 °CQuerent load capacity (static)-40 °C		
Outer-dameter (jacket)     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   12     Outer diameter insulation   1,25 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   50 ± 5 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   32     Diameter of single wires   0,1 mm     Conductor vosssection (wire)   0,25 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     Electrical resistance line constant wire   76 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   1,5 kV @ 60 s     Electric capacitance   80000 pF/km     Power frequency withstand voltage (wire - incket)   1,5 kV @ 60 s <td< td=""><td>Freedom from ingredients (jacket)</td><td></td></td<>	Freedom from ingredients (jacket)	
Material wire insulation   PP     Amount wires   12     Outer diameter insulation   1,25 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   50 ± 5 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   32     Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0,25 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Nominal voltage AC max.   300 V     Current load capacity min. wire   3 A     Electrical resistance line constant wire   76 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   1,5 kV @ 60 s     Electric capacitance   80000 pF/km     Power frequency withstand voltage (wire - information of cold states)   1,5 kV @ 60 s     Electric capacitance   1,5 kV @ 60 s     Min. operating temperature (static)   -40 °C	Outer-diameter (jacket)	7 mm
Amount wires   12     Outer diameter insulation   1,25 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   50 ± 5 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   32     Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0,25 mm²     Material conductor wire   Stranded copper wire, bare     Conductor lype (wire)   strand class 6     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   3 A     Electric al resistance line constant wire   76 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   1,5 kV @ 60 s     Electric capacitance   80000 pF/km     Power frequency withstand voltage (wire - interve)   1,5 kV @ 60 s     Electric capacitance   1,5 kV @ 60 s     Min. operating temperature (static)   -40 °C	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation1,25 mmOuter diameter tolerance core insulation $\pm 5 \%$ Shore hardness wire insulation $50 \pm 5$ Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strande class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3 AElectrical resistance line constant wire76 $\Omega/km$ @ 20 °CAC withstand voltage (wire - wire)1,5 kV @ 60 sElectric capacitance80000 pF/kmPower frequency withstand voltage (wire - information)1,5 kV @ 60 sMin. operating temperature (static)-40 °C	Material wire insulation	PP
Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   50 ± 5 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   32     Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0,25 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 min. wire   3 A     Electrical resistance line constant wire   76 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   1,5 kV @ 60 s     Electric capacitance   80000 pF/km     Power frequency withstand voltage (wire - into extra voltage (wire - into e	Amount wires	12
Shore hardness wire insulation   50 ± 5 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free     Amount strands (wire)   32     Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0,25 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 min. wire   3 A     Electrical resistance line constant wire   76 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   1,5 kV @ 60 s     Electric capacitance   80000 pF/km     Power frequency withstand voltage (wire - jacket)   1,5 kV @ 60 s     Electric capacitance   1,5 kV @ 60 s	Outer diameter insulation	1,25 mm
Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   32     Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0,25 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 (standard)   to DIN VDE 0298-4     Current load capacity (wire - wire)   1,5 kV @ 60 s     Electrical resistance line constant wire   76 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   1,5 kV @ 60 s     Electric capacitance   80000 pF/km     Power frequency withstand voltage (wire - jacket)   1,5 kV @ 60 s     Min. operating temperature (static)   -40 °C	Outer diameter tolerance core insulation	±5%
Amount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 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. wire3 AElectrical resistance line constant wire76 Ω/km @ 20 °CAC withstand voltage (wire - wire)1,5 kV @ 60 sElectric capacitance80000 pF/kmPower frequency withstand voltage (wire - jacket)1,5 kV @ 60 sMin. operating temperature (static)-40 °C	Shore hardness wire insulation	50 ± 5 Shore D
Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0,25 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 min. wire   3 A     Electrical resistance line constant wire   76 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   1,5 kV @ 60 s     Electric capacitance   80000 pF/km     Power frequency withstand voltage (wire - jacket)   1,5 kV @ 60 s     Min. operating temperature (static)   -40 °C	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire)0,25 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. wire3 AElectrical resistance line constant wire76 Ω/km @ 20 °CAC withstand voltage (wire - wire)1,5 kV @ 60 sElectric capacitance80000 pF/kmPower frequency withstand voltage (wire - jacket)1,5 kV @ 60 sMin. operating temperature (static)-40 °C	Amount strands (wire)	32
Material 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. wire3 AElectrical resistance line constant wire76 Ω/km @ 20 °CAC withstand voltage (wire - wire)1,5 kV @ 60 sElectric capacitance80000 pF/kmPower frequency withstand voltage (wire - jacket)1,5 kV @ 60 sMin. operating temperature (static)-40 °C	Diameter of single wires	0,1 mm
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   3 A     Electrical resistance line constant wire   76 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   1,5 kV @ 60 s     Electric capacitance   80000 pF/km     Power frequency withstand voltage (wire - jacket)   1,5 kV @ 60 s     Min. operating temperature (static)   -40 °C	Conductor crosssection (wire)	0,25 mm <sup>2</sup>
Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   3 A     Electrical resistance line constant wire   76 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   1,5 kV @ 60 s     Electric capacitance   80000 pF/km     Power frequency withstand voltage (wire - jacket)   1,5 kV @ 60 s     Min. operating temperature (static)   -40 °C	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   3 A     Electrical resistance line constant wire   76 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   1,5 kV @ 60 s     Electric capacitance   80000 pF/km     Power frequency withstand voltage (wire - jacket)   1,5 kV @ 60 s     Min. operating temperature (static)   -40 °C	Conductor type (wire)	strand class 6
Current load capacity min. wire   3 A     Electrical resistance line constant wire   76 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   1,5 kV @ 60 s     Electric capacitance   80000 pF/km     Power frequency withstand voltage (wire - jacket)   1,5 kV @ 60 s     Min. operating temperature (static)   -40 °C	Nominal voltage AC max.	300 V
Electrical resistance line constant wire   76 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   1,5 kV @ 60 s     Electric capacitance   80000 pF/km     Power frequency withstand voltage (wire - jacket)   1,5 kV @ 60 s     Min. operating temperature (static)   -40 °C	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire)   1,5 kV @ 60 s     Electric capacitance   80000 pF/km     Power frequency withstand voltage (wire - jacket)   1,5 kV @ 60 s     Min. operating temperature (static)   -40 °C	Current load capacity min. wire	3 A
Electric capacitance   80000 pF/km     Power frequency withstand voltage (wire - jacket)   1,5 kV @ 60 s     Min. operating temperature (static)   -40 °C	Electrical resistance line constant wire	76 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket)   1,5 kV @ 60 s     Min. operating temperature (static)   -40 °C	AC withstand voltage (wire - wire)	1,5 kV @ 60 s
jacket) 1,5 kV @ 60 S Min. operating temperature (static) -40 °C	Electric capacitance	80000 pF/km
0.00		1,5 kV @ 60 s
Max. operating temperature (fixed) 80 °C	Min. operating temperature (static)	-40 °C
	Max. operating temperature (fixed)	80 °C

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: 2024-06-26

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Operating temperature min. (dynamic)	-20 °C
Operating temperature max. (dynamic)	80 °C
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
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	10 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter
No. of bending cycles (C-track)	3 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C   horizontal
Travel speed (C-track)	2 m/s @ 25 °C

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