

## M12 male 0° / M12 female 90° A-cod. 3LED V2A

FEP 5xAWG22 bk 5m

Male straight – female 90° M12 – M12, 4-pole 3× LED (PNP), (NPN) on request Stainless steel 1.4305 (V2A) PTFE coated

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

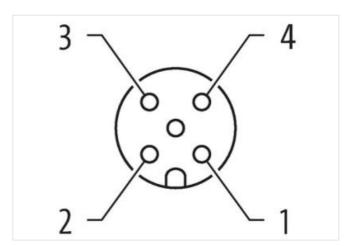
Plastic housings with good resistance against chemicals and oils.

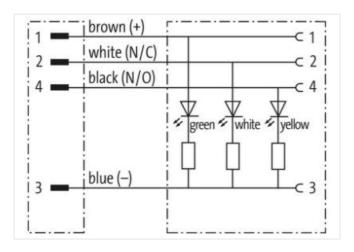
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

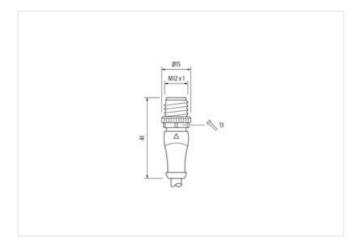
## **Link to Product**

## Illustration



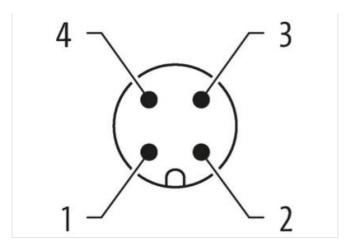


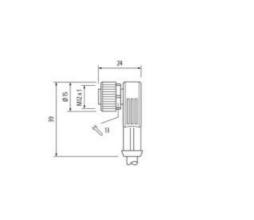






stay connected





Product may differ from Image

Cable length	5 m
Side 1	
Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67
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	4048879483650
Packaging unit	1
Electrical data   Supply	
Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	green, white, yellow
Device protection   Electrical	
Additional condition protection degree	inserted, screwed



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Rised surge voltage Mochanical data   Marterial group (IEC 60664-1)    Costing to Coking nut	Pollution Degree	3
Meterial group (IEC 60864-1)         I           Mechanical data   Material data   Material gastert         FMM           Material passert         FMM           Material passert         FMM           Mechanical data   Mounting data         Business steel 1 / 400 f (V2A)           Mechanical data   Mounting data         Invested, screwed, Shaking protection           Environmental characteristics   Climatic         Climatic           Operating temperature min.         25 °C           Operating temperature many.         85 °C           Additional condition temperature range         depending on cable quality           Installation   Cable         Cable destination         828           Jacket Color         black           Annount standing         1         5 wines around Filter twisted           Banding         PTEE-Folie         Filter           Filter         yes         98           will a strangement         brown, black, blue, white, green yellow           Cable weight         44.88 gm         44.88 gm           Material spacket         FEP           Shore hardness plocket         FEP           Amount wrise         1.3 mm           Culter dameter (facakety)         2.5 %           Culter dameter (facakety)	Rated surge voltage	0,8 kV
Coating boking nut         PTFE beachichtet           Material pasket         FRM           Material pasket         PRM           Mounting material         Stanices steel 1 4:005 (VZA)           Mechanical data [Mounting data         Inserted, screwed, Shaking protection           Environmental Characteristics [Climatic         Coperating temperature max.         25 °C           Operating temperature max.         35 °C           Additional condition temperature range         depending on cable quality           Installation [ Cable         Sea           Cable identification         828           Jackset Color         Dateck           Amount stranding         1           Stranding         FIFE-Foile           Filler         yes           wise a rangement         brown, black, blue, white, green-yellow           Cable weight         44,88 gm           Material packet         FEP           Froedom from ingredients (jacket)         15 % 5 Shore D           Outer climater (jacket)         3 mm           Tollerance outer for insulation         1,3 mm           Outer diameter (insulation         1,3 mm           Outer diameter insulation         55 % 5 Shore D           Impedient fearness wire insulation         55 % 5 Sh	Material group (IEC 60664-1)	
Coating boking nut         PTFE beachichtet           Material pasket         FRM           Material pasket         PRM           Mounting material         Stanices steel 1 4:005 (VZA)           Mechanical data [Mounting data         Inserted, screwed, Shaking protection           Environmental Characteristics [Climatic         Coperating temperature max.         25 °C           Operating temperature max.         35 °C           Additional condition temperature range         depending on cable quality           Installation [ Cable         Sea           Cable identification         828           Jackset Color         Dateck           Amount stranding         1           Stranding         FIFE-Foile           Filler         yes           wise a rangement         brown, black, blue, white, green-yellow           Cable weight         44,88 gm           Material packet         FEP           Froedom from ingredients (jacket)         15 % 5 Shore D           Outer climater (jacket)         3 mm           Tollerance outer for insulation         1,3 mm           Outer diameter (insulation         1,3 mm           Outer diameter insulation         55 % 5 Shore D           Impedient fearness wire insulation         55 % 5 Sh		
Material passet   FKM	·	DTEE hoophightot
Material housing   PUR   Stanless steel 1.4305 (V2A)		
Locking material  Mechanical data   Mounting data  Mounting method  Inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature max. 85 °C  Additional condition temperature range  depending on cable quality  Installation   Cable  Cable identification   828  Jacket Color   Black  Amount stranding   1  Stranding   S wires amount Effer twisted  Banding   PFFE-Fole    Filling   Yea  wire arrangement   Drown, black, blue, white, green yellow  Cable weight   44,88 gm  Material jacket   FFP  Shore hardness jacket   57 ± 5 Shore D  Freedom from impredients (lacket)   15 %  Amount wires   5  Outer diameter (lockant)   15 %  Amount wires   5  Outer diameter (lockant)   15 %  Material year wire insulation   15 %  Durind reference over insulation   13 mm  Outer diameter (lockant)   15 %  Material productor wire   13 mm  Outer diameter (lockant)   15 %  Material productor wire   19 mm  Diameter of single wires   22 AWG  Current load capacity (standard)   10 N VOE 02596 4  Current load capacity		
Mounting method Environmental characteristics   Climatic Environmental characteristics   Climatic Coperating temperature min. 25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Installation   Cloble  Cable identification 828  Jackel Color black Annount stranding 1 Stranding 5 wires around Filler twisted Banding PTEE-Folle Filler yes Sanding PTEE-Folle Filler yes wire arrangement brown, black, blue, white, green-yellow Cable weight Material jacket FEP Shore hardness jacket FEP Shore hardness jacket FEP Shore hardness jacket FEP Annount wires Outer-diameter (jacket) 1, 3 mm Outer diameter insulation FEP Annount wires Se ± 5 % Material wire insulation FEP Annount wires Se ± 5 % Material wire insulation FEP Annount wires Se ± 5 % Material professes wire insulation Ingredient flencess wire insulation Se ± 5 % Dameter of implice wires Se ± 5 % Conductor crosssection (wire) 19 Dameter of implice wires Current load capacity (wire) Material oroductor wire Current load capacity (wire) Vire (22 AWG Conductor crosssection (wire) Material oroductor wire Current load capacity (wire) Vire (23 AWG Conductor crosssection (wire) Material oroductor wire Current load capacity (wire) Vire (23 AWG Conductor crosssection (wire) Material oroductor wire Current load capacity (wire) Vire (23 AWG Conductor crosssection (wire) Vire (24 AWG Conductor crosssection (wire) Vire (25 AWG Conductor cro		
Environmental characteristics   Climatic	-	Stainless steel 1.4305 (V2A)
Environmental characteristics   Climatic		
Operating temperature max.         85 °C           Operating temperature max.         85 °C           Additional condition temperature max.         85 °C           Additional condition temperature max.         828           Jacker Color         black           Amount stranding         1           Stranding         5 wires around Filler twisted           Banding         PTFE-Folie           Filler         yas           wire arrangement         brown, black, blue, white, green-yellow           Cable weight         44,88 gm           Material jacket         FEP           Shore bardness jacket         57 ± 5 Shore D           Freedom from ingredients (jacket)         1,3 mm           Outer-diameter (jacket)         4,3 mm           Tolerance outer diameter (facket)         4,3 mm           Tolerance outer diameter (jacket)         1,3 mm           Outer diameter insulation         55 %           Shore b hardness wire insulation         55 ± 5 Shore D           Ingredient Reeness wire insulation         55 ± 5 Shore D           Ingredient Reeness wire insulation         25 %           Shore b hardness wire insulation         55 ± 5 Shore D           Ingredient Reeness wire insulation         25 ½	Mounting method	inserted, screwed, Shaking protection
Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Installation   Cable           Cable identification         828           Jackel Color         black           Amount stranding         1           Stranding         5 wires around Filler twisted           Banding         PTFE-Folie           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weigh         44,88 g/m           Material jacket         FEP           Freedom from ingredients (jacket)         lead free, CFC-free, halogen-free           Outer diameter (jacket)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         FEP           Amount wires         5           Outer diameter insulation         5.5 % or           Shore hardness wire insulation         5.5 ± 5 Shore D           Ingredient research insulation         5.5 ± 5 Shore D           Diameter tolerance core insulation         5.5 ± 5 Shore D           Diameter of single wires         5.2 ± 5 Williameter (short wire)           Diameter of single wires         2.2 ± WG           Amount strand	Environmental characteristics   Climatic	
Additional condition temperature range         depending on cable quality           Installation   Cable         S28           Cable identification         828           Jacked Color         black           Amount stranding         1           Stranding         5 wires around Filler twisted           Banding         PTFE-Folice           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weight         44,88 g/m           Material jacket         FEP           Shore hardness jacket         57 ± 5 Shore D           Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Outer-diameter (jacket)         4.3 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         FEP           Amount wires         5           Outer diameter tolerance core insulation         5 ± 5 %           Outer diameter tolerance core insulation         5 ± 5 %           Outer diameter tolerance core insulation         5 ± 5 %           Outer diameter tolerance core insulation         5 ± 5 %           Outer diameter for single wires         5 ± 2 Shore D           Ingredient recenses wire insulation         5 ± 5 %	Operating temperature min.	-25 °C
Cable identification         828           Jacket Color         black           Amount stranding         1           Stranding         5 wires around Filler twisted           Banding         PTFE-Folie           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weight         44,88 g/m           Material Jacket         FEP           Shore hardness jacket         57 ± 5 Shore D           Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Cuter-diameter (jacket)         4,3 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         FEP           Amount wires         5           Outer diameter blerance core insulation         ± 5 %           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           User diameter tolerance core insulation         ± 5 %           Outer diameter swe insulation         ± 5 %           User diameter (sheare)         ± 2 KWG           Outer diameter (sheare)         ± 2 KWG           Outer of single wires         22 AWG           Conductor crossection (wire)	Operating temperature max.	85 °C
Cable identification         828           Jacket Color         black           Amount stranding         1           Stranding         5 wires around Filler twisted           Banding         PTFE-Fole           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weigh         44,88 g/m           Material jacket         FEP           Shore hardness jacket         57 ± 5 Shore D           Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Outer-diameter (jacket)         4,3 mm           Tolerance outer diameter (shealth)         ± 5 %           Material wire insulation         FEP           Amount wires         5           Outer diameter tolerance core insulation         ± 5 %           Nor Lord diameter insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Ingredient freeness wire insulation         ± 5 %           Ingredient freeness wire insulation         ± 5 %           Ingredient freeness wire insulation         ± 6 4 %           Ingredient freeness wire insulation         ± 6 %           Conductor or crossection (wire)         ± 2 kWg           Conductor or crossecti	Additional condition temperature range	depending on cable quality
Jacket Color	Installation   Cable	
Jacket Color	Cable identification	828
Amount stranding         1           Stranding         5 wires around Filler twisted           Banding         PTE-Folie           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weigh         44,88 g/m           Material jacket         FEP           Shore hardness jacket         57 ± 5 Shore D           Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Outer-diameter (jacket)         4,3 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         FEP           Arount wires         5           Outer diameter insulation         FEP           Amount wires         5           Outer diameter insulation         1,3 mm           Outer diameter insulation         5 ± 5 Shore D           Ingredient freeness wire insulation         1,3 mm           Outer diameter insulation         1,3 mm           Under diameter inferences wire insulation         1,3 mm           Under diameter insulation         1,3 mm           Under diameter (olerance core insulation         1,5 %           Ingredient freeness wire insulation         1,6 mm (new free free halogen-free           C		
Stranding         5 wires around Filler twisted           Banding         PTFE-Foile           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weight         44.88 g/m           Material jacket         FEP           Material jacket         FEP           Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Outer-diameter (jacket)         4,3 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         FEP           Amount wires         5           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         1,3 mm           Under diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         1,3 mm           Under diameter tolerance core insulation         15 %           Shore hardness wire insulation         19           Ingredient freeness wire insulation         16 ½ 5 % Shore D           Ingredient freeness wire insulation         19           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Conductor crosssection (wire)         22 AWG		
Banding         PTFE-Folie           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weight         44.88 g/m           Material jacket         FEP           Shore hardness jacket         57 ± 5 Shore D           Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Outer-diameter (jacket)         4,3 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         FEP           Amount wires         5           Outer diameter insulation         1,3 mm           Outer diameter lolerance core insulation         5 %           Shore hardness wire insulation         5 %           Shore hardness wire insulation         1,3 mm           Outer diameter of lolerance core insulation         5 %           Shore hardness wire insulation         1,3 mm           Outer diameter of single wires         22 AWG           Conductor or sossection (wire)         19           Diameter of single wires         22 AWG           Conductor or sossection (wire)         22 AWG           Conductor or sossection (wire)         22 AWG           Current load capacity (standard)         to DIN DE 0298-4	<u> </u>	
Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weight         44,88 g/m           Material jacket         FEP           Shore hardness jacket         57 ± 5 Shore D           Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Outer-diameter (jacket)         4,3 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         FEP           Amount weres         5           Outer diameter insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore hardness wire insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         19           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor wire         copper stranded wire, tinned           Current load capacity financiary         4.5 A           Electrical resistance line constant wire         52.2 Ω/km @ 20 °C           Nominal voltage power AC max.         600 Y           Power frequency withstand voltage power (wire - wire)         2 kV @ 60 s           Min. operating temperature (fixed)         180 °C           Op		
wire arrangement         brown, black, blue, white, green-yellow           Cable weigth         44,88 g/m           Material jacket         FEP           Shore bandness jacket         57 ± 5 Shore D           Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Outer-diameter (jacket)         4,3 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         FEP           Amount wires         5           Outer diameter insulation         1,3 mm           Outer diameter insulation         5 ± 5 Shore D           Ingredient freeness wire insulation         55 ± 5 Shore D           Ingredient freeness wire insulation         19 ± 5 ± 5 Shore D           Ingredient freeness wire insulation         19 ± 5 ± 5 Shore D           Ingredient freeness wire insulation         19 ± 5 ± 5 Shore D           Ingredient freeness wire insulation         19 ± 5 ± 5 Shore D           Ingredient freeness wire insulation         19 ± 5 ± 5 Shore D           Ingredient freeness wire insulation         19 ± 5 ± 5 Shore D           Ingredient freeness wire insulation         19 ± 5 ± 5 Shore D           Ingredient freeness wire insulation         10 ± 5 ± 5 Shore D           Ingredient freeness wire insulation         10 ± 5 ± 5 ± 5 ± 5 ± 5 ±		
Cable weight         44,88 g/m           Material jacket         FEP           Shore hardness jacket         57 ± 5 Shore D           Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Outer-diameter (jacket)         4,3 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         FEP           Amount wires         5           Outer diameter insulation         1,3 mm           Outer diameter insulation         5 5 Shore D           Shore hardness wire insulation         5 5 \$ Shore D           Ingredient freeness wire insulation         5 5 £ Shore D           Amount strands (wire)         19           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor wire         copper stranded wire, tinned           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity with stand voltage power (wire - wire)         2 k V @ 60 s           Nominal voltage power AC max.         600 V           Power frequency withstand voltage power (wire - wire)         2 k V @ 60 s           AC withstand voltage power (wire - wire)         <		<u> </u>
Material jacket         FEP           Shore hardness jacket         57 ± 5 Shore D           Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Outer-diameter (jacket)         4,3 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         FEP           Amount wires         5           Outer diameter tolerance core insulation         1,3 mm           Outer diameter tolerance core insulation         55 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         19           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor wire         copper stranded wire, tinned           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         52,2 Qi/km @ 20 °C           Nominal voltage power AC max.         600 V           Power frequency withstand voltage power (wire - wire)         2 kV @ 60 s           Min. operating temperature (static)         -100 °C           Max		
Shore hardness jacket         57 ± 5 Shore D           Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Outer-diameter (jacket)         4,3 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         FEP           Amount wires         5           Outer diameter insulation         1,3 mm           Outer diameter insulation         5 5 ± 5 Shore D           Ingredient freeness wire insulation         55 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         19           Diameter of single wires         22 AWG           Conductor crossection (wire)         22 AWG           Material conductor wire         copper stranded wire, tinned           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,5 A           Electrical resistance line constant wire         52,2 Qi/km @ 20 °C           Nominal voltage power AC max.         600 V           Power frequency withstand voltage power (wire - wire)         2 kV @ 60 s           AC withstand voltage power (wire - wire)         2 kV @ 60 s           Min. operating temperature (static)         100 °C           M		<del>-</del>
Freedom from ingredients (jacket)  Outer-diameter (jacket)  4,3 mm  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  FEP  Amount wires  5  Outer diameter insulation  1,3 mm  Outer diameter tolerance core insulation  5 ± 5 %  Shore hardness wire insulation  5 ± 5 Shore D  Ingredient freeness wire insulation  Ingredient freeness  Ingredient		
Outer-diameter (jacket)         4,3 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         FEP           Amount wires         5           Outer diameter insulation         1,3 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         55 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         19           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor wire         copper stranded wire, tinned           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,5 A           Electrical resistance line constant wire         52,2 \( \Omega\) (xim \( \omega\) 20 °C           Nominal voltage power AC max.         600 V           Power frequency withstand voltage power (wire - wire)         2 kV \( \omega\) 60 s           Min. operating temperature (static)         -100 °C           Max. operating temperature (fixed)         180 °C           Operating temperature min. (dynamic)         -100 °C           Operating temperature max. (dynamic)         100 °C		
Tolerance outer diameter (sheath)		
Material wire insulation         FEP           Amount wires         5           Outer diameter insulation         1,3 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         55 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         19           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor wire         copper stranded wire, tinned           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,5 A           Electrical resistance line constant wire         52,2 Ω/km @ 20 °C           Nominal voltage power AC max.         600 V           Power frequency withstand voltage power (wire - wire)         2 kV @ 60 s           AC withstand voltage power (wire - wire)         2 kV @ 60 s           Min. operating temperature (static)         -100 °C           Operating temperature min. (dynamic)         -100 °C           Operating temperature min. (dynamic)         -100 °C           Operating temperature max. (dynamic)         180 °C           UV resistance         DIN EN ISO 4892-2 A           Flame r		· · · · · · · · · · · · · · · · · · ·
Amount wires       5         Outer diameter insulation       1,3 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       55 ± 5 Shore D         Ingredient freeness wire insulation       lead-free, CFC-free, halogen-free         Amount strands (wire)       19         Diameter of single wires       22 AWG         Conductor crosssection (wire)       22 AWG         Material conductor wire       copper stranded wire, tinned         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       4,5 A         Electrical resistance line constant wire       52,2 Ω/km @ 20 °C         Nominal voltage power AC max.       600 V         Power frequency withstand voltage power (wire - wire)       2 kV @ 60 s         AC withstand voltage power (wire - wire)       2 kV @ 60 s         Min. operating temperature (static)       -100 °C         Max. operating temperature (isted)       180 °C         UV resistance       DIN EN ISO 4892-2 A         Flame resistance       UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2         chemical resistance       Good, application-related testing		
Outer diameter insulation         1,3 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         55 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         19           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor wire         copper stranded wire, tinned           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,5 A           Electrical resistance line constant wire         52,2 Ω/km @ 20 °C           Nominal voltage power AC max.         600 V           Power frequency withstand voltage power (wire - wire)         2 kV @ 60 s           AC withstand voltage power (wire - wire)         2 kV @ 60 s           Min. operating temperature (fixed)         180 °C           Operating temperature (min. (dynamic)         -100 °C           Operating temperature min. (dynamic)		
Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 55 ± 5 Shore D  Ingredient freeness wire insulation lead-free, CFC-free, halogen-free  Amount strands (wire) 19  Diameter of single wires 22 AWG  Conductor crosssection (wire) 22 AWG  Material conductor wire copper stranded wire, tinned  Current load capacity (standard) to DIN VDE 0298-4  Electrical resistance line constant wire 52,2 Ω/km @ 20 °C  Nominal voltage power AC max. 600 V  Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s  Min. operating temperature (static) -100 °C  Max. operating temperature (fixed) 180 °C  Operating temperature min. (dynamic) -100 °C  Operating temperature max. (dynamic) 180 °C  UV resistance DIN EN ISO 4892-2 A  Flame resistance Good, application-related testing		
Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free  Amount strands (wire) 19 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire copper stranded wire, tinned  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 4,5 A Electrical resistance line constant wire 52,2 Ω/km @ 20 °C Nominal voltage power AC max. 600 V  Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s  Min. operating temperature (static) -100 °C  Max. operating temperature min. (dynamic) -100 °C  Operating temperature min. (dynamic) 180 °C  UV resistance DIN EN ISO 4892-2 A Flame resistance Good, application-related testing		77
Ingredient freeness wire insulation lead-free, CFC-free, halogen-free  Amount strands (wire) 19  Diameter of single wires 22 AWG  Conductor crosssection (wire) 22 AWG  Material conductor wire copper stranded wire, tinned  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 4,5 A  Electrical resistance line constant wire 52,2 Ω/km @ 20 °C  Nominal voltage power AC max. 600 V  Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s  Min. operating temperature (static) -100 °C  Max. operating temperature (fixed) 180 °C  Operating temperature max. (dynamic) 180 °C  UV resistance DIN EN ISO 4892-2 A  Flame resistance Good, application-related testing		
Amount strands (wire)  Diameter of single wires  22 AWG  Conductor crosssection (wire)  22 AWG  Material conductor wire  copper stranded wire, tinned  Current load capacity (standard)  to DIN VDE 0298-4  Current load capacity min. wire  4,5 A  Electrical resistance line constant wire  52,2 \( \textit{C} \textit{Km @ 20 °C} \)  Nominal voltage power AC max.  600 V  Power frequency withstand voltage power (wire - yiec)  AC withstand voltage power (wire - wire)  2 kV @ 60 s  Min. operating temperature (static)  -100 °C  Max. operating temperature (fixed)  180 °C  Operating temperature max. (dynamic)  180 °C  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  Good, application-related testing		
Diameter of single wires  22 AWG  Conductor crosssection (wire)  22 AWG  Material conductor wire  copper stranded wire, tinned  Current load capacity (standard)  to DIN VDE 0298-4  Current load capacity min. wire  4.5 A  Electrical resistance line constant wire  52,2 \( \Omega \text{LVM m} \) 20 °C  Nominal voltage power AC max.  600 V  Power frequency withstand voltage power (wire - yire) 2 kV @ 60 s  AC withstand voltage power (wire - wire) 2 kV @ 60 s  Min. operating temperature (static) -100 °C  Max. operating temperature min. (dynamic) -100 °C  Operating temperature max. (dynamic) 180 °C  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  Good, application-related testing		<del>-</del>
Conductor crosssection (wire)22 AWGMaterial conductor wirecopper stranded wire, tinnedCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire52,2 Ω/km @ 20 °CNominal voltage power AC max.600 VPower frequency withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-100 °CMax. operating temperature (fixed)180 °COperating temperature min. (dynamic)-100 °COperating temperature max. (dynamic)180 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testing	* * *	
Material conductor wire copper stranded wire, tinned  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 4,5 A  Electrical resistance line constant wire 52,2 Ω/km @ 20 °C  Nominal voltage power AC max. 600 V  Power frequency withstand voltage power (wire - jacket) 2 kV @ 60 s  AC withstand voltage power (wire - wire) 2 kV @ 60 s  Min. operating temperature (static) -100 °C  Max. operating temperature (fixed) 180 °C  Operating temperature min. (dynamic) -100 °C  Operating temperature max. (dynamic) 180 °C  UV resistance DIN EN ISO 4892-2 A  Flame resistance UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  chemical resistance Good, application-related testing		
Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 4,5 A  Electrical resistance line constant wire 52,2 \( \Omega \)/km \( \omega 20 \) °C  Nominal voltage power AC max. 600 V  Power frequency withstand voltage power (wire - wire) 2 kV \( \omega 60 \) s  AC withstand voltage power (wire - wire) 2 kV \( \omega 60 \) s  Min. operating temperature (static) -100 °C  Max. operating temperature (fixed) 180 °C  Operating temperature min. (dynamic) -100 °C  Operating temperature max. (dynamic) 180 °C  UV resistance DIN EN ISO 4892-2 A  Flame resistance UL 1581 \( \graphi \) 1100 FT2   UL 1581 \( \graphi \) 1990   IEC 60332-2-2  chemical resistance Good, application-related testing		
Current load capacity min. wire       4,5 A         Electrical resistance line constant wire       52,2 Ω/km @ 20 °C         Nominal voltage power AC max.       600 V         Power frequency withstand voltage power (wire - jacket)       2 kV @ 60 s         AC withstand voltage power (wire - wire)       2 kV @ 60 s         Min. operating temperature (static)       -100 °C         Max. operating temperature (fixed)       180 °C         Operating temperature min. (dynamic)       -100 °C         Operating temperature max. (dynamic)       180 °C         UV resistance       DIN EN ISO 4892-2 A         Flame resistance       UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2         chemical resistance       Good, application-related testing		
Electrical resistance line constant wire 52,2 \( \Omega \)/km \( \omega \) 20 °C  Nominal voltage power AC max. 600 V  Power frequency withstand voltage power (wire - jacket) 2 kV \( \omega \) 60 s  AC withstand voltage power (wire - wire) 2 kV \( \omega \) 60 s  Min. operating temperature (static) -100 °C  Max. operating temperature (fixed) 180 °C  Operating temperature min. (dynamic) -100 °C  Operating temperature max. (dynamic) 180 °C  UV resistance DIN EN ISO 4892-2 A  Flame resistance UL 1581 \( \xi \) 1100 FT2   UL 1581 \( \xi \) 1090   IEC 60332-2-2  chemical resistance Good, application-related testing		
Nominal voltage power AC max. 600 V  Power frequency withstand voltage power (wire - jacket) 2 kV @ 60 s  AC withstand voltage power (wire - wire) 2 kV @ 60 s  Min. operating temperature (static) -100 °C  Max. operating temperature (fixed) 180 °C  Operating temperature min. (dynamic) -100 °C  Operating temperature max. (dynamic) 180 °C  UV resistance DIN EN ISO 4892-2 A  Flame resistance UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  chemical resistance Good, application-related testing		· · · · · · · · · · · · · · · · · · ·
Power frequency withstand voltage power (wire - jacket)  AC withstand voltage power (wire - wire)  2 kV @ 60 s  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  180 °C  Operating temperature max. (dynamic)  180 °C  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  chemical resistance  Good, application-related testing		
(wire - jacket)  AC withstand voltage power (wire - wire)  AC withstand voltage power (wire - wire)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  180 °C  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  chemical resistance  Good, application-related testing		ουυ ν
Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  180 °C  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  chemical resistance  Good, application-related testing	(wire - jacket)	
Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  180 °C  Operating temperature max. (dynamic)  180 °C  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  chemical resistance  Good, application-related testing		
Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  180 °C  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  chemical resistance  Good, application-related testing		
Operating temperature max. (dynamic)  180 °C  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  chemical resistance  Good, application-related testing		
UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2 chemical resistance Good, application-related testing		
Flame resistance UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2 chemical 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
Bending radius (fixed)	7,5 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter