

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

PUR 4x2x0.25 shielded gy 1.5m

Male straight – female 90° M12 – M12, 8-pole shielded

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

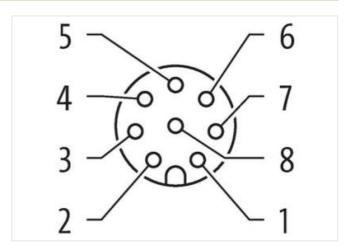
Plastic housings with good resistance against chemicals and oils.

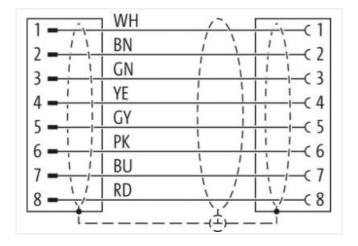
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

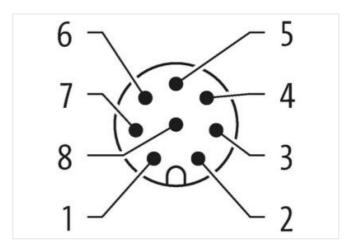
## **Link to Product**

## Illustration



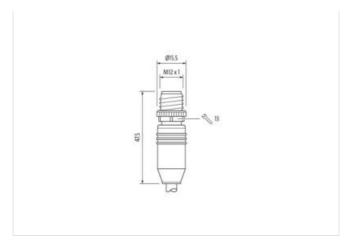


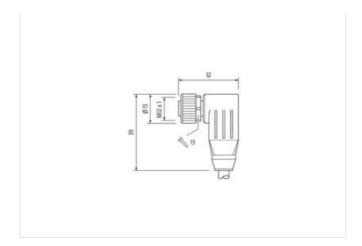






stay connected





Product may differ from Image



Cable length	1,5 m
Side 1	
Family construction form	M12
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	4048879532549
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
Device protection   Electrical	
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	
Environmental characteristics   Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Installation   Cable	



Jacket Color	wire arrangement	(brown, white), (red, blue), (pink, gray), (yellow, green)
Amount stranding 4 Stranding 2 wires twisted Amount stranding (type 2) 1 Stranding (type 2) 4 Stranding (type 2) 4 Stranding (type 2) 4 Stranding (type) 2 Cable shielding (type) 2 Cable shielding (coverage) 55 % Banding Fleece, Foll wire arrangement (trown, white), (red, blue), (pink, gray), (yellow, green) Cable weight 74,8 g/m Malerial picket TPU Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (gaset) lead-free, cadmium-free, CFC-free, halogen-free Cutter-diameter (jacket) 7,1 mm Coller-diameter (jacket) ± 5 % Malerial wire insulation PP Amount wires 8 Cutter diameter (sheath) ± 5 % Shore hardness wire insulation PP Amount wires 8 Cutter diameter (sheath) ± 5 % Shore hardness wire insulation 1,2 mm Cuter diameter (sheath) ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation 1,2 mm Cuter diameter (sheath) 5 ± 5 % Callemeter of single wires 0,1 mm Conductor crosssection (wire) 22 Callemeter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Conductor crosssection (wire) 0,25 mm² Conductor type (wire) strand case 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE (298-4 Current	Cable identification	286
Stranding (type 2)   1   1   1   1   1   1   1   1   1	Jacket Color	gray
Amount stranding (type 2)         1           Stranding (type)         4 Stranded joins twisted           Cable shielding (coverage)         85 %           Banding         Fleece, Foil           Wire arrangement         (brown, white), (red, blue), (pink, gray), (yellow, green)           Cable weight         74,8 g/m           Material jacket         TPU           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free           Outer diameter (jacket)         7,1 mm           Tolerance outer diameter (shalt)         ± 5 %           Material wire insulation         PP           Amount wires         8           Borre hardness wire insulation         ± 5 %           User diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Ingredient freeness wire insulation         ± 5 %           Ingredient freeness wire insulation         ± 5 %           Ingredient freeness wire insulation         ± 5 %           Material conductor wire         5 ± 5 Shore D           Conductor type (wire)         32           Diameter of single wires         0,1 mm           Conductor type (wire)         5 ±	Amount stranding	4
Stranding (type 2) 4 Stranded joints twisted Cable shielding (type) copper braid, lined Cable shielding (coverage) 85   Banding Fieece, Foil (rob. bull), (gink, gray), (yellow, green) Cable shielding (coverage) 85   Banding Fieece, Foil (row, white), (red, blue), (gink, gray), (yellow, green) Cable weight (rob. bull), (gink, gray), (yellow, green) Cable weight (gink), (gink, gray), (gink, g	Stranding	2 wires twisted
Cable shielding (coverage)         85 %           Cable shielding (coverage)         85 %           Banding         Fleece, Foil           wire arrangement         (brown, white), (red, blue), (pink, gray), (yellow, green)           Cable weight         74,8 g/m           Material Joset         TPU           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free           Quet-diameter (jacket)         7,1 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         8           Outer diameter insulation         1,2 mm           Outer diameter tolerance core insulation         1,2 mm           Outer diameter tolerance core insulation         6 ± 5 Shore D           Ingredient freeness wire insulation         6 ± 5 5 Shore D           Ingredient freeness wire insulation         6 ± 5 5 Shore D           Ingredient freeness wire insulation         6 ± 5 5 Shore D           Ingredient freeness wire insulation         6 ± 5 5 Shore D           Ingredient freeness wire insulation         6 ± 5 5 Shore D           Ingredient freeness wire insulation         6 ± 5 5 Shore D           Conductor yee	Amount stranding (type 2)	1
Cable shielding (coverage)         85 %           Banding         Fleece, Foil           wire arrangement         (brown, white), (red, blue), (pink, gray), (yellow, green)           Cable weigh         74,8 g/m           Material jacket         TPU           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free           Outer-diameter (jacket)         7,1 mm           Tolerance outer diameter (seath)         ± 5 %           Material wire insulation         PP           Amount wires         8           Outer diameter folerance core insulation         1,2 mm           Outer diameter tolerance core insulation         65 ± 5 Shore D           Ingredient freeness wire insulation         65 ± 5 Shore D           Ingredient freeness wire insulation         65 ± 5 Shore D           Ingredient freeness wire insulation         65 ± 5 Shore D           Conductor crosssection (wire)         32           Diameter of single wires         0,1 mm           Conductor type (wire)         32 Stranded copper wire, bare           Conductor type (wire)         strand class 6           Nominal voltage AC max.         300 V           Current load capacity fetandurity         1,5 kV @ 60 s <td>Stranding (type 2)</td> <td>4 Stranded joints twisted</td>	Stranding (type 2)	4 Stranded joints twisted
Banding   Fleece, Foil	Cable shielding (type)	copper braid, tinned
wire arrangement         (brown, white), (red, blue), (pink, gray), (yellow, green)           Cable weight         74,8 g/m           Material jacket         TPU           Shore hardress jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free           Outer-diameter (jacket)         7,1 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         8           Outer diameter insulation         1,2 mm           Outer diameter insulation         ± 5 %           Shore hardness wire insulation         65 ± 5 Shore D           Ingredient freeness wire insulation         65 ± 5 Shore D           Ingredient freeness wire insulation         16 ± 5 Shore D           Ingredient freeness wire insulation         16 ± 5 Shore D           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 (xire - xire)         1,5 kV @ 60 s           Current load capacity (standard)         to DIN VDE 0298-	Cable shielding (coverage)	85 %
Cable weight         74,8 g/m           Material Jacket         TPU           Shore hardness jacket         55 ± 5 Shore A           Freedomn from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free           Outer-diameter (jacket)         7,1 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         8           Outer diameter Insulation         1,2 mm           Outer diameter tolerance core insulation         65 ± 5 Shore D           Shore hardness wire insulation         65 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         32           Diameter of Ising wires         0,1 mm           Conductor crossacction (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 (sindardr)         to DIN VDE 0298-4           Current load capacity (min. wire)         3 A           Electrical resistance line constant wire         79 Ω/km @ 20 °C           AC withstand voltage (wire - shield) <td>Banding</td> <td>Fleece, Foil</td>	Banding	Fleece, Foil
Material jacket         TPU           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         7.1 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         8           Outer diameter blerance core insulation         1,2 mm           Outer diameter blerance core insulation         5 %           Shore hardness wire insulation         5 5 %           Shore hardness wire insulation         5 5 %           Ingredient freeness wire insulation         1,2 mm           Ingredient freeness wire insulation         16 ± 5 Shore D           Ingredient freeness wire insulation         18 ± 5 Shore D           Ingredient freeness wire insulation         18 ± 5 Shore D           Ingredient freeness wire insulation         18 ± 5 Shore D           Ingredient freeness wire insulation         18 ± 5 Shore D           Ingredient freeness wire insulation         18 ± 5 Shore D           Ingredient freeness wire insulation         1.2 mm           Outer of single wires         3.2           Diameter of single wires         0.1 mm           Conductor type (wire)         3.2           Materia conductor wire         Stranded copper wire, bare      <	wire arrangement	(brown, white), (red, blue), (pink, gray), (yellow, green)
Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free           Outer-diameter (jacket)         7,1 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         8           Outer diameter insulation         1,2 mm           Outer diameter foliarance core insulation         5 %           Shore hardness wire insulation         65 ± 5 Shore D           Ingredient freeness wire insulation         18 € 5 € Shore D           Ingredient freeness wire insulation         18 € 5 € Shore D           Ingredient freeness wire insulation         18 € 5 € Shore D           Ingredient freeness wire insulation         18 € 5 € Shore D           Ingredient freeness wire insulation         18 € 5 € Shore D           Ingredient freeness wire insulation         18 € 5 € Shore D           Ingredient freeness wire insulation         18 € 5 € Shore D           Ingredient freeness wire insulation         18 € 5 € Shore D           Ingredient freeness wire insulation         18 € 5 € Shore D           Ingredient freeness wire insulation         28 € 5 Shore D           Ingredient freeness wire insulation         28 € 5 Shore D           Ingredient freeness wire	Cable weigth	74,8 g/m
Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free           Outer-diameter (jacket)         7,1 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         8           Outer diameter insulation         1,2 mm           Outer diameter insulation         ± 5 %           Shore hardness wire insulation         65 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, sillcone-free           Ingredient strands (wire)         32           Diameter of single wires         0,1 mm           Conductor sossection (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         79 Ω/km @ 20 °C           AC withstand voltage (wire wire)         1,5 kV @ 60 s           Power frequency withstand voltage (wire shield)         1,5 kV @ 60 s           Min. operating temperature (iixed)         90 °C	Material jacket	TPU
Outer-diameter (jacket)         7,1 mm           Tolerane outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         8           Outer diameter insulation         1,2 mm           Outer diameter loterance core insulation         65 ± 5 Nore D           Ingredient freeness wire insulation         65 ± 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         79 0/km @ 20 °C           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Power frequency withstand voltage (wire - shield)         1,5 kV @ 60 s           Min. operating temperature (fixed)         90 °C           Operating temperature (mix.dynamic)         -5 °C           Opera	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         8           Outer diameter insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore hardness wire insulation         65 ± 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           Power frequency withstand voltage (wire - wire)         1,5 kV @ 60 s           Power frequency withstand voltage (wire - shield)         1,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         90 °C           Operating temperature min. (dynamic)         -5 °C	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free
Material wire insulation         PP           Amount wires         8           Outer diameter insulation         1,2 mm           Outer diameter insulation         65 ± 5 Shore D           Ingredient freeness wire insulation         65 ± 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         79 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Power frequency withstand voltage (wire - shield)         1,5 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         40 °C           Max. operating temperature (min. (dynamic)         5 °C           Operating temperature min. (dynamic)         90 °C	Outer-diameter (jacket)	7,1 mm
Amount wires         8           Outer diameter insulation         1,2 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         65 ± 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 win- wire         3 A           Electrical resistance line constant wire         79 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Power frequency withstand voltage (wire - shield)         1,5 kV @ 60 s           AC withstand voltage (wire - shield)         1,5 kV @ 60 s           Min. operating temperature (fixed)         90 °C           Operating temperature (min. (dynamic)         5° °C           Operating temperature min. (dynamic)         5° °C           Operating temperature min. (dynamic)         5° °C <td>Tolerance outer diameter (sheath)</td> <td>± 5 %</td>	Tolerance outer diameter (sheath)	± 5 %
Outer diameter insulation 1,2 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 65 ± 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 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - lacket) 4,0 °C Min. operating temperature (static) 40 °C Min. operating temperature (static) 90 °C Operating temperature (mix. (dynamic) 90 °C Cperating temperature max. (dynamic) 90 °C Flame resistance EC 6003; application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Bending radius (fixed) 7,5 × Outer diameter	Material wire insulation	PP
Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         65 ± 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 (win wire)         3 A           Electrical resistance line constant wire         79 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Power frequency withstand voltage (wire - shield)         1,5 kV @ 60 s           AC withstand voltage (wire - shield)         1,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (static)         -40 °C           Operating temperature (inc) (dynamic)         90 °C           Operating temperature min. (dynamic)         90 °C           Flame resistance         IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2           chem	Amount wires	8
Shore hardness wire insulation 65 ± 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 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - in jacket) 1,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (static) 90 °C Operating temperature (itxed) 90 °C Cperating temperature (itxed) 90 °C Cperating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 90 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404 Bending radius (fixed) 7,5 x Outer diameter	Outer diameter insulation	1,2 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 min. wire 3 A  Electrical resistance line constant wire 79 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 1,5 kV @ 60 s  Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s  AC withstand voltage (wire - shield) 1,5 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 90 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 90 °C  Flame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (installation) x Outer diameter	Outer diameter tolerance core insulation	±5%
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 79 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 1,5 kV @ 60 s  Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s  AC withstand voltage (wire - shield) 1,5 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 90 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 90 °C  Flame resistance EC 6003, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance  Good, application-related testing  Ending radius (fixed) 7,5 x Outer diameter	Shore hardness wire insulation	65 ± 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 79 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 1,5 kV @ 60 s  Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s  AC withstand voltage (wire - shield) 1,5 kV @ 60 s  Min. operating temperature (static) 40 °C  Max. operating temperature (fixed) 90 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 90 °C  Flame resistance Ec 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (installation) x Outer diameter  Bending radius (installation) x Outer diameter	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
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         79 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Power frequency withstand voltage (wire - shield)         1,5 kV @ 60 s           AC withstand voltage (wire - shield)         1,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         90 °C           Operating temperature max. (dynamic)         -5 °C           Operating temperature max. (dynamic)         90 °C           Flame resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oil resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (fixed)         7,5 x Outer diameter	Amount strands (wire)	32
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 79 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 1.5 kV @ 60 s  Power frequency withstand voltage (wire - shield) 1.5 kV @ 60 s  AC withstand voltage (wire - shield) 1.5 kV @ 60 s  Min. operating temperature (static) 40 °C  Max. operating temperature (fixed) 90 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 90 °C  Flame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (installation) x Outer diameter	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       79 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       1,5 kV @ 60 s         Power frequency withstand voltage (wire - shield)       1,5 kV @ 60 s         AC withstand voltage (wire - shield)       1,5 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       90 °C         Operating temperature min. (dynamic)       -5 °C         Operating temperature max. (dynamic)       90 °C         Flame resistance       IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       Good, application-related testing   DIN EN 60811-404         Bending radius (installation)       x Outer diameter         Bending radius (fixed)       7,5 x Outer diameter	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  79 \( \Omega \text{/rm} \) \( \omega \text{ 00 s} \)  AC withstand voltage (wire - wire)  1,5 kV \( \omega \text{ 60 s} \)  Power frequency withstand voltage (wire - shield)  1,5 kV \( \omega \text{ 60 s} \)  AC withstand voltage (wire - shield)  1,5 kV \( \omega \text{ 60 s} \)  Min. operating temperature (static)  40 °C  Max. operating temperature (fixed)  90 °C  Operating temperature min. (dynamic)  5 °C  Operating temperature max. (dynamic)  90 °C  Flame resistance    IEC 60332-2-2   UL 1581 \( \xi \) 1090   UL 1581 \( \xi \) 1100 FT2  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)  7,5 x Outer diameter	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 79 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 1.5 kV @ 60 s  Power frequency withstand voltage (wire - jacket) 1.5 kV @ 60 s  AC withstand voltage (wire - shield) 1.5 kV @ 60 s  AC withstand voltage (wire - shield) 1.5 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 90 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 90 °C  Flame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (installation) x Outer diameter  Bending radius (fixed) 7,5 x Outer diameter	Conductor type (wire)	strand class 6
Current load capacity min. wire 3 A  Electrical resistance line constant wire 79 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 1,5 kV @ 60 s  Power frequency withstand voltage (wire - 1,5 kV @ 60 s  AC withstand voltage (wire - shield) 1,5 kV @ 60 s  AC withstand voltage (wire - shield) 1,5 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 90 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 90 °C  Flame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  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) 7,5 x Outer diameter	Nominal voltage AC max.	300 V
Electrical resistance line constant wire 79 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 1,5 kV @ 60 s  Power frequency withstand voltage (wire - jacket) 1,5 kV @ 60 s  AC withstand voltage (wire - shield) 1,5 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 90 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 90 °C  Flame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  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) 7,5 x Outer diameter	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire)  1,5 kV @ 60 s  Power frequency withstand voltage (wire - jacket)  1,5 kV @ 60 s  AC withstand voltage (wire - shield)  1,5 kV @ 60 s  Min. operating temperature (static)  40 °C  Max. operating temperature (fixed)  90 °C  Operating temperature min. (dynamic)  5 °C  Operating temperature max. (dynamic)  90 °C  Flame resistance  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (installation)  x Outer diameter  Bending radius (fixed)  7,5 x Outer diameter	Current load capacity min. wire	3 A
Power frequency withstand voltage (wire - jacket)  AC withstand voltage (wire - shield)  AC withstand voltage (wire - shield)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Flame resistance  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing  Gasoline resistance  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (installation)  x Outer diameter  Bending radius (fixed)  7,5 x Outer diameter	Electrical resistance line constant wire	79 Ω/km @ 20 °C
AC withstand voltage (wire - shield)  AC withstand voltage (wire - shield)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Oil resistance  Good, application-related testing  Oil resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (installation)  x Outer diameter  Bending radius (fixed)  7,5 x Outer diameter	AC withstand voltage (wire - wire)	1,5 kV @ 60 s
Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature min. (dynamic	Power frequency withstand voltage (wire - jacket)	1,5 kV @ 60 s
Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature min. (dynami	AC withstand voltage (wire - shield)	1,5 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic)  Flame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (installation)  x Outer diameter  Bending radius (fixed)  7,5 x Outer diameter	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 90 °C  Flame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (installation) x Outer diameter  Bending radius (fixed) 7,5 x Outer diameter	Max. operating temperature (fixed)	90 °C
Flame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (installation) x Outer diameter  Bending radius (fixed) 7,5 x Outer diameter	Operating temperature min. (dynamic)	-5 °C
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 7,5 x Outer diameter	Operating temperature max. (dynamic)	90 °C
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (installation) x Outer diameter  Bending radius (fixed) 7,5 x Outer diameter	Flame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (installation) x Outer diameter  Bending radius (fixed) 7,5 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (installation) x Outer diameter  Bending radius (fixed) 7,5 x Outer diameter	Gasoline resistance	Good, application-related testing
Bending radius (fixed) 7,5 x Outer diameter	Oil resistance	Good, application-related testing   DIN EN 60811-404
	Bending radius (installation)	x Outer diameter
Bending radius (dynamic) 15 x Outer diameter	Bending radius (fixed)	7,5 x Outer diameter
	Bending radius (dynamic)	15 x Outer diameter