

## MQ15 male 0° with cable type 2

PUR 6x2.5 bk UL/CSA+drag ch. 25m

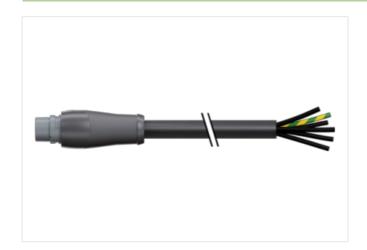
Male straight MQ15, 6-pole with cable sleeves

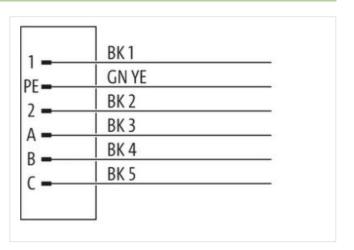
Plastic housings with good resistance against chemicals and oils.

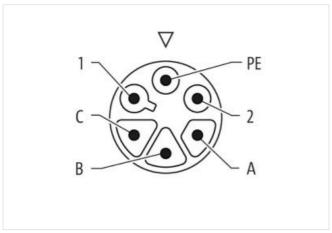
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

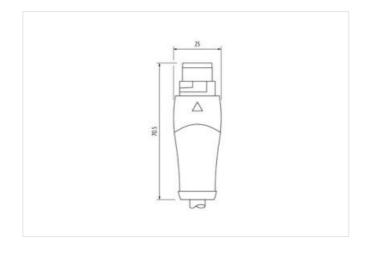
## **Link to Product**

## Illustration









Product may differ from Image









Cable length

25 m

Side 1

Mounting method inserted, locked



Coating contact silver-plated MQ15 Family construction form suitable for corrugated tube (internal Ø) 18 mm Material contact Copper alloy No. of poles Degree of protection (EN IEC 60529) IP65, IP67 Side 2 Stripping length (jacket) 100 mm Commercial data ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060327 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060327 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4065909079140 Packaging unit Electrical data | Supply Operating voltage DC 48 V Operating current per power contact max. 20 A Operating current per signal contact max. 4 A Diagnostics Status indication LED no Installation | Connection Stripping length (jacket) 100 mm Installation | Pin assignment Coding Type 2 Configuration fully used Device protection | Electrical Additional condition protection degree inserted, locked Pollution Degree 3 0,8 kV Rated surge voltage Material group (IEC 60664-1) Mechanical data | Material data PUR Material housing Material contact carrier PA Mechanical data | Mounting data Looking techniques bayonet-locking Environmental characteristics | Climatic Operating temperature min. -30 °C 85 °C Operating temperature max. Additional condition temperature range depending on cable quality Conformity Product standard IEC 61076-2-116

Installation | Cable



## stay connected

Jacket Color	Cable identification	P63
Type of Certificate	Cable Type	3
Strandling         6 wires around Filler twisted           Filler         yes           Wise arrangement         black 5, black 3, black 3, black 2, black 1, green-yellow           Cable weight         227.7 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 shore A           Freedom from Ingredients [gacket)         lead-free, cadmium-free, CPC-free, halogen-free, allicone-free           Outer-diameter (gacket)         10,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         6           Outer diameter insulation         2,85 mm           Outer diameter insulation         2,85 mm           Outer diameter (sheath)         ± 5 %           Material wire insulation         2,85 mm           Outer diameter insulation         2,85 mm           Outer diameter (sheath)         2,5 mm           Diameter of single wires         0,15 mm           Conductor (wire)         2,5 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Shore hardness wire insulation (Data)         60 ± 5 Shore D           Traversing distance (C track)	Jacket Color	black
Filter	Type of Certificate	cURus
wite arrangement black 5, black 4, black 3, black 2, black 1, green-yellow Cable weight 227,7 gm Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 10,5 mm Tolerance outer diameter (sheath) ± 5 % Material jacket) 10,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 6 Outer diameter insulation 2,285 mm Outer diameter ference core insulation 2,285 mm Outer diameter ference core insulation 2,285 mm Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Material conductor wire Stranded copper wire, bare Conductor for graph wire 0,15 mm Conductor for graph wire 0,15 mm Conductor for graph wire 0,15 mm Conductor wire Stranded copper wire, bare Conductor for graph wire 0,15 mm Conductor for graph wire 0	Stranding	6 wires around Filler twisted
Cable weight         227.7 g/m           Material jacket         PUR           Material jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         ± 5 ½           Material wire insulation         PP           Amount wires         6           Outer diameter folerance core insulation         ± 5 %           Under diameter folerance core insulation         ± 5 %           Ingredient freeness wire insulation         ± 5 %           Under diameter folerance core insulation         ± 5 %           Ingredient freeness wire insulation         ± 6 %           Under diameter folerance core insulation         ± 5 %           Ingredient freeness wire insulation         ± 6 %           Under diameter folerance core insulation         ± 5 %           Ingredient freeness wire insulation         ± 6 %           Under diameter folerance core insulation         ± 5 %           Ingredient freeness wire insulation         ± 6 %           Outer diameter folerance core insulation         ± 5 %           Under diameter folerance core insulation         ± 5 %           Summanutal view of foliation (street)         5 %           Onductor foliation (street)	Filler	yes
Material Jacket         PUB           Shore hardness jacket         90 ± 5 Shore A           Freedom from Ingredients (jacket)         10.5 mm           Totlerance outer diameter (jacket)         10.5 mm           Totlerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         6           Outer diameter insulation         2.85 mm           Outer diameter froerance core insulation         lead-free, cadmium-free, CFC-free, halogen-free, sillicone-free           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, sillicone-free           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, sillicone-free           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, sillicone-free           Amount strands (wire)         140           Diameter of single wires         0,15 mm           Conductor rossection (wire)         2.5 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Shore hardness wire insulation (Data)         60 ± 5 Shore D           Traversing distance (C-track)         5 m @ 25 °C           Nominal vollage AC max         1000 V	wire arrangement	black 5, black 4, black 3, black 2, black 1, green-yellow
Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         10,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         6           Outer diameter insulation         2,85 mm           Outer diameter tolerance core insulation         140           User diameter of single wires         0,15 mm           Amount strands (wire)         140           Diameter of single wires         0,15 mm           Conductor crossacción (wire)         2,5 mm²           Material conductor wire         Stranded copper wire, bare           Conductor respectación (wire)         2,5 mm²           Material conductor wire         Stranded copper wire, bare           Conductor Diameter (simple wire)         9,5 mm²           Material conductor wire         Stranded copper wire, bare           Conductor Type (wire)         strand class 8           Marcial conductor wire         Stranded copper wire, bare           Conductor Lacial conductor wire         Stranded copper wire, bare           Conductor Supper wire insulation (Data)         60 ± 5 m²<25 m²           Naminal volta	Cable weigth	227,7 g/m
Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         10,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         6           Outer diameter Insulation         2,85 mm           Outer diameter Insulation         1.5 %           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         140           Diameter of single wires         0,15 mm           Conductor crossection (wire)         2,5 mm²           Material conductor wire         Stranded copper wire, bare           Shore hardness wire insulation (Data)         60 ± 5 Shore D           Traversing distance (C-track)         5 m @ 25 °C           Nominal vollage AC max.         100 NV           Current load capacity sit mixim         8 D/km @ 20 °C           Current load capacity mix wire         8 D/km @ 20 °C           Current load capacity mix wire         8 D/km @ 20 °C           Row withstand voltage (wire - isocket)         10 kV           Mix. operating temperature (statio)         -50 °C           Max. operating temperature (statio)         -50 °C	Material jacket	PUR
Outer-diameter (jacket)         10,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         6           Outer diameter insulation         ± 5 %           Ingredient freeness wire insulation         ± 5 %           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         140           Diameter of single wires         0.15 mm           Conductor rossessection (wire)         2.5 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Shore hardness wire insulation (Data)         60 ± 5 Shore D           Traversing distance (C-track)         5 m @ 25 °C           Nominal voltage AC max.         1000 V           Current load capacity (standard)         10 DIN VDE 0298-4           Current load capacity (standard)         10 kV           AC withstand voltage (wire - wire)         10 kV           Power frequency withstand voltage (wire - wire)         10 kV           Mm. operating temperature (static)         50 °C           Max. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           UV resistance<	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         6           Outer diameter Insulation         2,85 mm           Outer diameter tolerance core insulation         ± 5 %           Ingredient freeness wire insulation         140           Diameter of single wires         0.15 mm           Conductor crosssection (wire)         2,5 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Shore hardness wire insulation (Data)         60 ± 5 Shore D           Traversing distance (C-track)         5 m @ 25 °C           Nominal voltage AC max.         1000 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         19,5 A           Electrical resistance line constant wire         8 0/km @ 20 °C           AC withstand voltage (wire - wire)         10 kV           Min. operating temperature (static)         -50 °C           Max. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           UV resistance         DIN EN ISO \$4882-2 A           Earne resistanc	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation         PP           Amount wires         6           Outer diameter insulation         2,85 mm           Outer diameter tolorance core insulation         ±5 %           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         140           Diameter of single wires         0,15 mm           Conductor crosssection (wire)         2,5 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Shore hardness wire insulation (Data)         60 ± 5 Shore D           Traversing distance (C-track)         5 m @ 25 °C           Nominal voltage AC max.         1000 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Electrical resistance line constant wire         8 Ωkm @ 20 °C           AC withstand voltage (wire - wire)         10 kV           Power frequency withstand voltage (wire - wire)         10 kV           Min. operating temperature (static)         50 °C           Max. operating temperature (static)         80 °C / 90 °C @ 10000 h Operation           UV resistance         DIN EN 6881-2 A	Outer-diameter (jacket)	10,5 mm
Amount wires         6           Outer diameter insulation         2,85 mm           Outer diameter tolerance core insulation         ± 5 %           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         140           Diameter of single wires         0,15 mm           Conductor crossection (wire)         2,5 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Shore hardness wire insulation (Data)         60 ± 5 Shore D           Traversing distance (C-track)         5 m @ 25 °C           Nominal voltage AG max.         1000 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         19,5 A           Electrical resistance line constant wire         8 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         10 kV           Power frequency withstand voltage (wire - wire)         10 kV           Max. operating temperature (static)         -50 °C           Max. operating temperature (static)         80 °C / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         25 °C           Operating temperature max. (dynamic)         80 °C	Tolerance outer diameter (sheath)	± 5 %
Outer diameter insulation         2,85 mm           Outer diameter tolerance core insulation         ± 5 %           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         140           Diameter of single wires         0,15 mm           Conductor (wire)         2,5 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Shore hardness wire insulation (Data)         60 ± 5 Shore D           Traversing distance (C-track)         5 m @ 25 °C           Nominal voltage AC max.         1000 V           Current load capacity (standard)         to DIN VDE 298-4           Current load capacity min. wire         19,5 A           Electrical resistance line constant wire         8 D/km @ 20 °C           AC withstand voltage (wire - wire)         10 kV           Power frequency withstand voltage (wire - wire)         10 kV           Min. operating temperature (static)         -50 °C           Max. operating temperature (static)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (dynamic)         25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           UV resistance <td>Material wire insulation</td> <td>PP</td>	Material wire insulation	PP
Outer diameter tolerance core insulation         ± 5 %           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         140           Diameter of single wires         0,15 mm           Conductor crosssection (wire)         2,5 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Shore hardness wire insulation (Data)         60 ± 5 Shore D           Traversing distance (C-track)         5 m @ 25 °C           Nominal voltage AC max.         1000 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (wire - vire)         10 kV           AC withstand voltage (wire - vire)         10 kV           Power frequency withstand voltage (wire - vire)         10 kV           Min. operating temperature (static)         50 °C           Max. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         25 °C           Ut resistance         DIN EN ISO 4892-2 LUL 1581 § 1100 FT2           Flame resistance         Good, application-related testing           Culi resi	Amount wires	6
Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         140           Diameter of single wires         0,15 mm           Conductor crosssection (wire)         2,5 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Shore hardness wire insulation (Data)         60 ± 5 Shore D           Traversing distance (C-track)         5 m @ 25 °C           Nominal voltage AC max.         1000 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         19,5 A           Electrical resistance line constant wire         8 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         10 kV           Power frequency withstand voltage (wire - wire)         10 kV           Min. operating temperature (fixed)         30 °C / 90 °C @ 10000 h Operation           U/V resistance (Departure (fixed)         80 °C / 90 °C @ 10000 h Operation           U/V resistance         DIN EN ISO 4892-2 A           Flame resistance         UL 1581 § 1909   IEC 60332-2-2   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Gasoline resistance         DIN EN 60811-404   Good, applic	Outer diameter insulation	2,85 mm
Amount strands (wire)         140           Diameter of single wires         0.15 mm           Conductor crosssection (wire)         2,5 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Shore hardness wire insulation (Data)         60 ± 5 Shore D           Traversing distance (C-track)         5 m @ 25 °C           Nominal voltage AC max.         1000 V           Current load capacity standard)         to DIN VDE 0298-4           Current load capacity min. wire         19,5 A           Electrical resistance line constant wire         8 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         10 kV           Power frequency withstand voltage (wire - wire)         10 kV           Min. operating temperature (static)         -50 °C           Max. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (dynamic)         25 °C           UV resistance         DIN EN ISO 4892-2 A           Flame resistance         UL 1581 § 1901 [EG 60332-2-2   UL 1581 § 1100 FT2           Chemical resistance         Good, application-related testing           Gasoline resistance         DIN EN 60811-404 [Good, application-related testing           Gli resistance         <	Outer diameter tolerance core insulation	± 5 %
Diameter of single wires         0,15 mm           Conductor crosssection (wire)         2,5 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Shore hardness wire insulation (Data)         60 ± 5 Shore D           Traversing distance (C-track)         5 m @ 25 °C           Nominal voltage AC max         1000 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         19,5 A           Electrical resistance line constant wire         8 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         10 kV           Power frequency withstand voltage (wire - wire)         10 kV           Min. operating temperature (static)         -50 °C           Max. operating temperature (static)         -50 °C           Operating temperature max. (dynamic)         25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           UV resistance         DIN EN ISO 4892 ≥ A           Flame resistance         UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Gline resistance	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire)         2,5 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Shore hardness wire insulation (Data)         60 ± 5 Shore D           Traversing distance (C-track)         5 m @ 25 °C           Nominal voltage AC max.         1000 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         19,5 A           Electrical resistance line constant wire         8 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         10 kV           Power frequency withstand voltage (wire - iacket)         10 kV           Min. operating temperature (static)         -50 °C           Max. operating temperature (static)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (dynamic)         25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           UV resistance         DIN EN ISO 4892-2 A           Flame resistance         UL 1581 § 1009 IEC 60332-2-2   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Gling radius (fixed)         7,5 x Outer diameter	Amount strands (wire)	140
Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Shore hardness wire insulation (Data)         60 ± 5 Shore D           Traversing distance (C-track)         5 m @ 25 °C           Nominal voltage AC max.         1000 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         19,5 A           Electrical resistance line constant wire         8 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         10 kV           Power frequency withstand voltage (wire - incket)         10 kV           Min. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           UV resistance         DIN EN ISO 4892-2 A           Flame resistance         UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Gil resistance         DIN EN 60811-404   Good, application-related testing           Bending radius (fixed)         7,5 x Outer diameter           Bending radius (dynamic)         10 x Oute	Diameter of single wires	0,15 mm
Conductor type (wire)         strand class 6           Shore hardness wire insulation (Data)         60 ± 5 Shore D           Traversing distance (C-track)         5 m @ 25 °C           Nominal voltage AC max.         1000 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         19,5 A           Electrical resistance line constant wire         8 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         10 kV           Power frequency withstand voltage (wire - jacket)         10 kV           Min. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Max. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           UV resistance         DIN EN ISO 4892-2 A           Flame resistance         UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oil resistance         DIN EN 60811-404   Good, application-related testing           Bending radius (fixed)         7,5 x Outer diameter           Bending radius (dynamic)	Conductor crosssection (wire)	2,5 mm <sup>2</sup>
Shore hardness wire insulation (Data)         60 ± 5 Shore D           Traversing distance (C-track)         5 m @ 25 °C           Nominal voltage AC max.         1000 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         19,5 A           Electrical resistance line constant wire         8 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         10 kV           Power frequency withstand voltage (wire - jacket)         10 kV           Min. operating temperature (static)         -50 °C           Max. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           UV resistance         DIN EN ISO 4892-2 A           Flame resistance         UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oil resistance         DIN EN 60811-404   Good, application-related testing           Bending radius (dynamic)         10 × Outer diameter           Travel speed (C-track)         5 Mio. @ 25 °C           No. of torsion cycles         2 Mio. 25 °C	Material conductor wire	Stranded copper wire, bare
Traversing distance (C-track)         5 m @ 25 °C           Nominal voltage AC max.         1000 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         19.5 A           Electrical resistance line constant wire         8 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         10 kV           Power frequency withstand voltage (wire - iacket)         -50 °C           Min. operating temperature (static)         -50 °C           Max. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           UV resistance         DIN EN ISO 4892-2 A           Flame resistance         UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Oil 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)         10 x Outer diameter           Travel speed (C-track)         5 Mio. @ 25 °C           No. of torsion cycles         ± 180 °/m @ 25 °C <td>Conductor type (wire)</td> <td>strand class 6</td>	Conductor type (wire)	strand class 6
Nominal voltage AC max.         1000 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         19,5 A           Electrical resistance line constant wire         8 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         10 kV           Power frequency withstand voltage (wire - iacket)         10 kV           Min. operating temperature (static)         -50 °C           Max. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           UV resistance         DIN EN ISO 4892-2 A           Flame resistance         UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Gil 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)         10 x Outer diameter           Travel speed (C-track)         5 Mio. @ 25 °C           No. of torsion cycles         2 Mio. 25 °C	Shore hardness wire insulation (Data)	60 ± 5 Shore D
Current load capacity (standard)  Current load capacity min. wire  19,5 A  Electrical resistance line constant wire  8 \( \Omega \text{lkm} \end{align*} \end{align*} \)  8 \( \Omega \text{lkm} \end{align*} \)  AC withstand voltage (wire - wire)  10 kV  Power frequency withstand voltage (wire - incident)  Align*, operating temperature (static)  According temperature (static)  According temperature (fixed)  Bo \( ^{\circ C} \)  Max. operating temperature (fixed)  Bo \( ^{\circ C} \)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  According temperature max. (dynamic)  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  UL 1581 \( \circ \)  USA 892-2   UL 1581 \( \circ \)  Flame 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)  10 x Outer diameter  Travel speed (C-track)  5 Mio. \( \omega \circ \circ \)  5 Mio. \( \omega \circ \circ \circ \circ \)  Florion stress  \( \pm \)  \$\( \text{inc} \)  \$\( \	Traversing distance (C-track)	5 m @ 25 °C
Current load capacity min. wire       19,5 A         Electrical resistance line constant wire       8 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       10 kV         Power frequency withstand voltage (wire - jacket)       10 kV         Min. operating temperature (static)       -50 °C         Max. operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature min. (dynamic)       -25 °C         Operating temperature max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         UV resistance       DIN EN ISO 4892-2 A         Flame resistance       UL 1581 § 1990   IEC 60332-2-2   UL 1581 § 1100 FT2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       DIN EN 60811-404   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)       10 x Outer diameter         Travel speed (C-track)       5 Mio. @ 25 °C         No. of torsion cycles       2 Mio. 25 °C         Torsion stress       ± 180 °/m @ 25 °C	Nominal voltage AC max.	1000 V
Electrical resistance line constant wire  AC withstand voltage (wire - wire)  Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  AC withstand voltage (wire - jacket)  Min. operating temperature (fixed)  AC vithstand voltage (wire - jacket)  Min. operating temperature (fixed)  AC vithstand voltage (wire - jacket)  Min. operating temperature (fixed)  AC vithstand voltage (wire - jacket)  AC vithstand voltage (wire - wire)  AC vithstand voltage (wire of voltage (wire)  AC vithstand voltage (wire of voltage (wire)  AC	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire)  Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  VV resistance  DIN EN ISO 4892-2 A  Flame resistance  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing  Gasoline resistance  Oil resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  7,5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  No. of torsion cycles  ± 180 °/m @ 25 °C  Torsion stress  ± 180 °/m @ 25 °C	Current load capacity min. wire	19,5 A
Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  50 °C  Max. operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic)  -25 °C  Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing  Gasoline resistance  Oil resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  7,5 x Outer diameter  Travel speed (C-track)  5 Mio. @ 25 °C  Torsion stress  ± 180 °/m @ 25 °C  Torsion stress  ± 180 °/m @ 25 °C	Electrical resistance line constant wire	8 Ω/km @ 20 °C
jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing  Gasoline resistance  Oil resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  7,5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  No. of torsion cycles  ± 180 °/m @ 25 °C  Torsion stress  ± 180 °/m @ 25 °C	AC withstand voltage (wire - wire)	10 kV
Max. operating temperature (fixed)  Operating temperature min. (dynamic)  -25 °C  Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing  Gasoline resistance  Oil resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  7,5 × Outer diameter  Bending radius (dynamic)  10 × Outer diameter  Travel speed (C-track)  No. of torsion cycles  ± 180 °/m @ 25 °C  Torsion stress  ± 180 °/m @ 25 °C	Power frequency withstand voltage (wire - jacket)	10 kV
Operating temperature min. (dynamic) Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404   Good, application-related testing Bending radius (fixed) 7,5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C Torsion stress ± 180 °/m @ 25 °C	Min. operating temperature (static)	-50 °C
Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  UV resistance DIN EN ISO 4892-2 A  Flame resistance UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 7,5 × Outer diameter  Bending radius (dynamic) 10 × Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles ± 180 °/m @ 25 °C  Torsion stress ± 180 °/m @ 25 °C	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404   Good, application-related testing Bending radius (fixed) 7,5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C No. of torsion cycles 2 Mio. 25 °C Torsion stress ± 180 °/m @ 25 °C	Operating temperature min. (dynamic)	-25 °C
Flame resistance Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404   Good, application-related testing Bending radius (fixed) 7,5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C No. of torsion cycles 2 Mio. 25 °C  Torsion stress ± 180 °/m @ 25 °C	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404   Good, application-related testing Bending radius (fixed) 7,5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C No. of torsion cycles 2 Mio. 25 °C Torsion stress ± 180 °/m @ 25 °C	UV resistance	DIN EN ISO 4892-2 A
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) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C No. of torsion cycles 2 Mio. 25 °C  Torsion stress ± 180 °/m @ 25 °C	Flame resistance	UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
Oil resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 7,5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio. 25 °C  Torsion stress ± 180 °/m @ 25 °C	chemical resistance	Good, application-related testing
Bending radius (fixed) 7,5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio. 25 °C  Torsion stress ± 180 °/m @ 25 °C	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio. 25 °C  Torsion stress ± 180 °/m @ 25 °C	Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio. 25 °C  Torsion stress ± 180 °/m @ 25 °C	Bending radius (fixed)	7,5 x Outer diameter
Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio. 25 °C  Torsion stress ± 180 °/m @ 25 °C	Bending radius (dynamic)	10 x Outer diameter
No. of torsion cycles         2 Mio. 25 °C           Torsion stress         ± 180 °/m @ 25 °C	Travel speed (C-track)	5 Mio. @ 25 °C
Torsion stress ± 180 °/m @ 25 °C	No. of torsion cycles	
	Torsion stress	
	Torsion speed	35 cycles/min 25 °C