

MQ15 male 0° with cable type 2

PUR 6x2.5 bk UL/CSA+drag ch. 7,5m

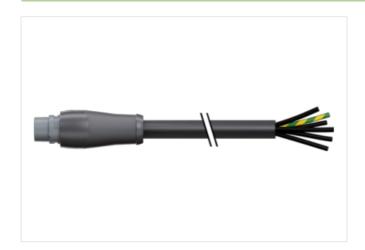
Male straight MQ15, 6-pole with cable sleeves

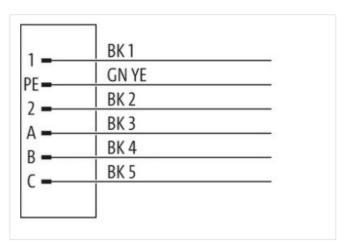
Plastic housings with good resistance against chemicals and oils.

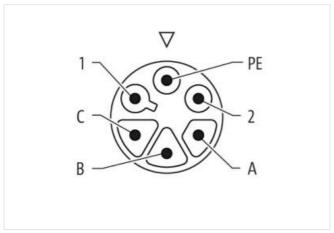
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

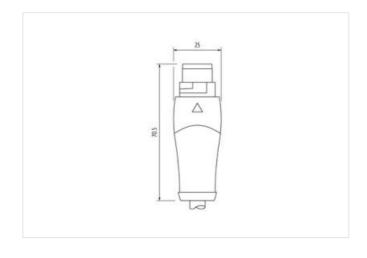
Link to Product

Illustration









Product may differ from Image









Cable length

7,5 m

Side 1

Mounting method inserted, locked



stay connected

Coating contact	silver-plated
Family construction form	MQ15
suitable for corrugated tube (internal Ø)	18 mm
Material contact	Copper alloy
No. of poles	6
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	4065909060513
Packaging unit	1
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
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	
Mechanical data Material data	
Material housing	PUR
Material contact carrier	PA
Mechanical data Mounting data	
Looking techniques	bayonet-locking
Environmental characteristics Climatic	
Operating temperature min.	-30 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Conformity	
	IEC 61076 2 116
Product standard	IEC 61076-2-116



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 (sheath) ± 5 % Material conductor or insulation 1,60 mm Outer diameter (sheath) 2,5 mm Diameter of single wires 0,15 mm Conductor type (wire) 2,5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) 5 m 25 mm² Material conductor wire 6 ± 5 Shore D <td>Jacket Color</td> <td>black</td>	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 follower of single wires 0.15 mm Conductor type (wire) \$ 5 mm 0.25 mm Material wires of single wires <td>Filler</td> <td>yes</td>	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 °C Nominal 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 564892-2 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) 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 ≥ 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 <th< td=""><td>Ingredient freeness wire insulation</td><td>lead-free, cadmium-free, CFC-free, halogen-free, silicone-free</td></th<>	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 ²
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 \(^{\circ} \) Bo \(^{\circ} \) Bo \(^{\circ} \) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 \(\) Flame resistance UL 1581 \(\) Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 7,5 x Outer diameter Fravel speed (C-track) 5 Mio. \(\omega 25 \circ \) No. of torsion cycles ± 180 \(^{\circ} \m) mig \(25 \circ \) Torsion stress ± 180 \(^{\circ} \m) mig \(25 \circ \) Torsion stress 10 L 180 \(\) 10 L	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 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	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