

MQ15 male 0° with cable 600V AC type 3

PUR 6x2.5 bk UL/CSA+drag ch. 1m

Male straight MQ15, 6-pole with cable sleeves

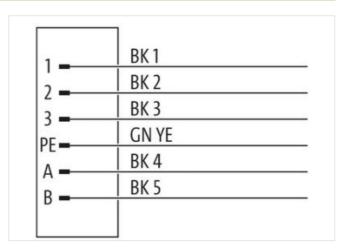
Plastic housings with good resistance against chemicals and oils.

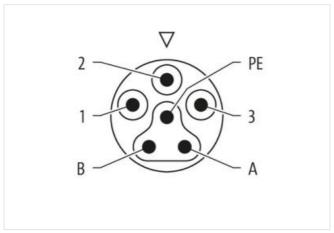
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

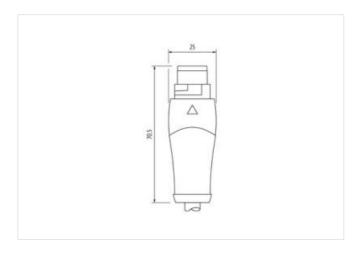
Link to Product

Illustration









Product may differ from Image











Cable length

1 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	4048879906241
Packaging unit	1
Electrical data Supply	
Operating voltage AC per power contact max.	600 V
Operating voltage AC per signal contact max.	63 V
Operating voltage DC per signal contact max.	63 V
Operating current per power contact max.	16 A
Operating current per signal contact max.	10 A
Diagnostics	
Status indication LED	no
Installation Connection	
Stripping length (jacket)	100 mm
Installation Pin assignment	
	T. A
Coding	Type 3
Configuration	fully used
Device protection Electrical	
Additional condition protection degree	inserted, locked
Pollution Degree	3
Rated surge voltage power contacts	6 kV
Rated surge voltage signal contacts	1,5 kV
Material group (IEC 60664-1)	I
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	

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-20



stay connected

Product standard	IEC 61076-2-116
Product standard	IEC 61076-2-116

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 Tolarance outer diameter (shealth) ± 5 % Material wire insulation PP Amount wires 6 Outer diameter lolerance core insulation ± 5 % User diameter lolerance core insulation ± 5 % Ingredient freamess 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) 10 bit VDE 0288-4 Current load capacity (standard) 10 bit VDE 0289-4 Current load capacity (standard) 10 kV Power frequency withstand voltage (wire - wire) 10 kV Power frequency withstand voltage (wire - wire) 10 kV	Installation Cable	
Jacket Color	Cable identification	P63
Type of Certificate CURs	Cable Type	3
Stranding 6 wires around Filler twisted Filler yes wire 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 jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 10,5 mm Tolarance outer diameter (gheath) ± 5 % Material wire insulation PP Amount wires 6 Outer diameter insulation 2,85 mm Outer diameter tolerance core insulation 1,5 mm Ingredient freeness wire insulation 1,6 mm Ingredient freeness wire insulation 1,6 mm Dameter of single wires 0,15 mm Conductor or sospection (wire) 2,5 mm² Material conductor wire Strand class 6 Shore hardness wire insulation (Data) 6+5 Shore D Traversing distance (C-track) 5 m @ 25 °C Conductor type (wire) 5 m @ 25 °C Material conductor wire 10 NV DE 0298-4	Jacket Color	black
Filler yes wire arrangement black 5, black 4, black 3, black 2, black 1, green-yellow Cable weigh 22.77 g/m	Type of Certificate	cURus
wise arrangement black 5, black 4, black 3, black 2, black 1, green-yellow Cablo weight 227.7 g/m Shore hardness jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (glocket) 10,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wire insulation 2,85 mm Outer diameter or insulation 1 and free, cadmium-free, CFC-free, halogen-free, silicone-free Norman strands (wire) 1 aload-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 1 aload-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 1 aload-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 1 aload-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 1 aload-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 2,5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) 5 mm² 25 ° C Nominal voltage (A max. 1000 V Current load capacity (standard) 10 DIN VDE 0298-4 Current load capacit	Stranding	6 wires around Filler twisted
Cable weight 227.7 g/m Material jacket PUR After hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) ± 5 % Material wire insulation PP 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 rosssection (wire) 2.5 mm² Material conductor 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 Ω/km @ 25 °C Max. operating temperature (fixed) 80 °C / 90 °C@ 10000 h Operation	Filler	yes
Material jacket PUR 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 tolerance core insulation ± 5 % Lurer diameter tolerance core insulation ± 5 % Under diameter tolerance core insulation ± 6 % Under diameter tolerance core insulation ± 6 % Ingredient freeness wire insulation 164 % Ingredient freeness wire insulation 164 % Diameter of single wires 0,15 mm Conductor crosssection (wire) 2.5 mm² Material conductor 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 coses-4 Current load capacity (standard) to DIN VDE coses-4 Current load capacity min. w	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 Chuer-diameter (jacket) 10,5 mm 10,5 m	Cable weigth	227,7 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CPC-free, halogen-free, silicone-free Outer-diameter (jacket) 1.0.5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 6 Outer diameter folierance core insulation 2.85 mm Outer diameter 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 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) 80 °C / 90 °C @ 10000 h Operation Operating temperature max.	Material jacket	PUR
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 2,85 mm Ingredient freeness wire insulation bead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wive) 140 Diameter of single wires 0,15 mm Conductor rosssection (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 min. wire 19,5 A Electrical resistance line constant wire 8 C/km @ 20 °C AC withstand voltage (wire - wire) 10 kV Power frequency withstand voltage (wire - wire) 10 kV Power frequency withstand voltage (wire - wire) 80 °C / 90 °C @ 10000 h Operation UV resistance 50 °C Max. operating temperature	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath)	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 6 Outer dameter insulation 2,85 mm Outer dameter 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 mm² Conductor orsessection (wire) 2,5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) stranded copper wire, bare 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 IN 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) 80 °C / 90 °C @ 10000 h Operation Operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation UV resistance UI. 1581 § 19	Outer-diameter (jacket)	10,5 mm
Amount wires 6 Outer diameter insulation 2.85 mm Outer diameter 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) stranded copper wire, bare 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 NDE 0298-4 Current load capacity (witandard) to DIN NDE 0298-4 Electrical resistance line constant wire 3 0/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 min. (dynamic) 25 °C Operating temperature min. (dynamic) 25 °C Operating temperature min. (dynamic) 25 °C	Tolerance outer diameter (sheath)	± 5 %
Outer diameter insulation 2,85 mm Outer diameter tolerance core insulation ± 5 % Ingredient freeness wire insulation ± 5 % Amount stands (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 min. wire 19,5 A Electrical resistance line constant wire 8 0/km @ 20 °C AC withstand voltage (wire - wire) 10 kV Power frequency withstand voltage (wire - wire) 10 kV Jacket) 80 °C / 90 °C @ 10000 h Operation Operating temperature (static) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) 25 °C Operating temperature min. (dynamic) 10 EN 163 c 4892 c A <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 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 min. (dynamic) -25 °C Operating temperature min. (dynamic) -25 °C UV resistance DIN EN ISO 4892-2 A Flame resistance	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 orosssection (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 - wire) 10 kV Electrical resistance line constant wire 80 ½/m @ 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 Up resistance DIN EN ISC 4489-2 A Flame resistance DIN EN ISC 4489-2 2 IL L 1581 § 1100 FT2 chemical resistance DIN EN 66011-404 Good, application-related testing	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 (static) -50 °C Max. operating temperature (ixed) 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 Gli resistance DIN EN 60811-	Outer diameter tolerance core insulation	± 5 %
Diameter of single wires 0.15 mm² 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) 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	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 - inacket) 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 § 1909 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gli resistance DIN EN 60811-404 Good, application-related test	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 - wire) 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)	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 - wire) 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 Filame 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 Outer diamet	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 (static) -25 °C Operating temperature min. (dynamic) 2-25 °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 DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 7,5 x Outer diameter Travel speed (C-track) 5 Min. @ 25 °C Torsion stress ± 180 °/m @ 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 - 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 Gil 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	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 - inck to the constant wire) 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 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 Torsion stress ± 180 °/m @ 25 °C	Shore hardness wire insulation (Data)	60 ± 5 Shore D
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 19,5 A Electrical resistance line constant wire 8 M/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 EC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline 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 Travel speed (C-track) 5 Mio. @ 25 °C No. of torsion cycles ± 180 °/m @ 25 °C Torsion stress ± 180 °/m @ 25 °C	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 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) Bo °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) Operating temperature max. (dynamic) Bo °C / 90 °C @ 10000 h Operation 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) 5 Mio. @ 25 °C Torsion stress ± 180 °/m @ 25 °C	Current load capacity (standard)	to DIN VDE 0298-4
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 (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	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 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	Electrical resistance line constant wire	8 Ω/km @ 20 °C
Min. operating temperature (static) Min. operating temperature (fixed) Max. operating temperature (fixed) Operating temperature min. (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) 5 Mio. @ 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 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 5 Mio. @ 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 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 Glood, 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) No. of torsion cycles 2 Mio. 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 ± 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
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
No. of torsion cycles 2 Mio. 25 °C Torsion stress ± 180 °/m @ 25 °C	Bending radius (dynamic)	10 x Outer diameter
Torsion stress ± 180 °/m @ 25 °C	Travel speed (C-track)	5 Mio. @ 25 °C
	No. of torsion cycles	2 Mio. 25 °C
Torsion speed 35 cycles/min 25 °C	Torsion stress	± 180 °/m @ 25 °C
	Torsion speed	35 cycles/min 25 °C