

MQ15 male 90° with cable type 2

PUR 6x2.5 bk UL/CSA+drag ch. 3m

Male angular MQ15, 6-pole with cable sleeves

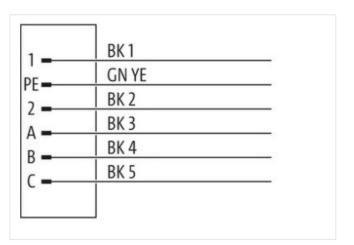
Plastic housings with good resistance against chemicals and oils.

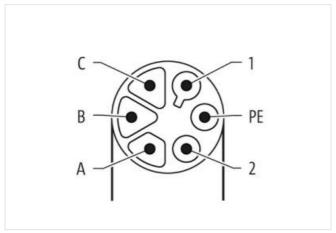
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

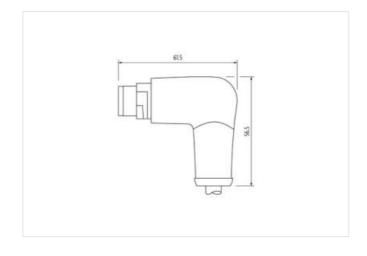
Link to Product

Illustration









Product may differ from Image









Cable length

3 m

Side 1

Mounting method inserted, locked



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	4065909065365
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)	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	
Product standard	IEC 61076-2-116
Installation Cable	

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

Cable Type 3	Cable identification	P63
Type of Certificate CURus	Cable Type	3
Stranding 6 wires around Filler twisted	Jacket Color	black
Filler	Type of Certificate	cURus
wire arrangement black 5, black 4, black 3, black 2, black 1, green-yellow Cable weight 227,7 g/m Material jocket PUR Shore hardness jacket 9 PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 10,5 mm Tolerance outer diameter (jacket) 10,5 mm Tolerance outer diameter (jacket) ± 5 % Material wire insulation PP Amount wires 6 Outer diameter insulation 2,85 mm Outer diameter insulation 1,55 % Ingredient freeness wire insulation 1,65 mm Ingredient freeness wire insulation 1,65 mm Outer diameter of insulation 1,65 mm Outer diameter 1,65 mm Outer	Stranding	6 wires around Filler twisted
Cable weigh	Filler	yes
Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 10.5 mm 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 4.5 % Ingredient freeness wire insulation kead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 140 Jameter of single wires 0,15 mm Conductor of single wires 0,15 mm Conductor type (wire) strand-dass 6 Shore hardness wire insulation (Data) 60 ± 5 Shore D Traversing distance (C-track) 5 m @ 25 °C Nominal vollage 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 Power frequency withstand voltage (wire - wire) 10 kV Power frequency withstand voltage (wire wire) 10 kV <	wire arrangement	black 5, black 4, black 3, black 2, black 1, green-yellow
Shore hardness (jacket) 90 ± 5 Shore A	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 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 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 5 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 D/km @ 20 °C AC withstand voltage (wire - wire) 10 kV Power frequency withstand voltage (wire - yield) 80 °C / 90 °C @ 10000 h Operation UV resistan	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 ± 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 spacesection (wire) 2,5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Shore hardness wire insulation (Data) 80 ± 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 Coverlanger (wire-wire) 10 kV Power frequency withstand voltage (wire-wire) 10 kV Mix. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation UV resistance	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 %	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount wires	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 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 Ωkm @ 20 °C AC withstad 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 /	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 Stranded copper wire, bare Conductor by (wire) \$1 stranded copper wire, bare Conductor by (wire) \$1 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 (static) -50 °C Min. operating temperature (static) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature min. (stynamic) 80 °C / 90 °C @ 10000 h Operation <t< td=""><td>Material wire insulation</td><td>PP</td></t<>	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) 10 kV Power frequency 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 UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FTZ Chemical resistance Good, application-related testing Bending radius (fixed) 7,5 × Outer diameter Travel speed (C-track) 5 Min. @ 25 °C Torsion stress ± 180 °/m @ 25 °C	Amount wires	6
Ingredient freeness wire insulation	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 (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity wire insulation (Data) 8 Ω/km @ 20 °C AC withstand voltage (wire - wire) 10 kV Power frequency withstand voltage (wire - incace) 10 kV Power frequency withstand voltage (wire - incace) 10 kV Min. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Max. operating temperature min. (dynamic) -25 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1909 EC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Oil resistance DIN EN 6811-404 Good, application-related testing Bending radius (dynamic) 7,5 × Outer diameter Bending radius (dynamic) 10 × Outer diameter Travel speed (C-track) 5 Min. @ 25 °C Torsion stress ± ± 180 °/m @ 25 °C Torsion stress ± ± 180 °/m @ 25 °C Torsion stress ± ± 180 °/m @ 25 °C	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 (standard) to DIN VDE 0298-4 Current load capacity min. wire 19,5 A Electrical resistance line constant wire 8 µKm @ 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 max. (dynamic) 2-25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-12 or 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 Mio. @ 25 °C Torsion stress ± 180 °/m @ 25 °C Torsion stress ± 180 °/m @ 25 °C Torsion stress **Diameter** **Travel speed (C-track) 5 Mio. @ 25 °C Torsion stress **Diameter** **Travel speed (C-track) 5 Mio. @ 25 °C Torsion stress **Diameter** **Travel speed (C-track) 5 Mio. @ 25 °C **Torsion stress **Diameter** **Travel speed (C-track) 5 Mio. @ 25 °C **Torsion stress **Diameter** **Travel speed (C-track) 5 Mio. @ 25 °C **Torsion stress **Diameter** **Travel speed (C-track) 5 Mio. @ 25 °C **Torsion stress **Diameter** **Travel speed (C-track) 5 Mio. @ 25 °C **Torsion stress **Diameter** **Travel speed (C-track) 5 Mio. @ 25 °C **Torsion stress **Diameter** **Travel speed (C-track) 5 Mio. @ 25 °C **Torsion stress **Diameter** **Travel speed (C-track) 5 Mio. @ 25 °C **Torsion stress **Diameter** **Travel speed (C-track) 5 Mio. @ 25 °C **Torsion stress **Torsion stress **Torsion stress **Torsion stress **Torsion stres	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 - jacket) 10 kV Min. 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 / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame 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) <t< td=""><td>Amount strands (wire)</td><td>140</td></t<>	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 (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 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 7,5 × Outer d	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 - acket) 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 Travel speed (C-track) 5 Mio. @ 25 °C No. of torsion cycles 2 Mi	Conductor crosssection (wire)	2,5 mm²
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 (fixed) 7,5 x Outer diameter Flanding radius (dynamic) 10 x Outer diameter Travel speed (C-track) 5 Mio. @ 2	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 64892-2 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 Bending radius (fixed) 7,5 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C Torsion stress ± 180 °/m @ 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 - 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 h Operation 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	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 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 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 § 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 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 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) 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 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	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) Operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature min. (dynamic) Operating temperature max. (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 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	Current load capacity min. wire	19,5 A
Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) 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 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 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) More of your continuation of you	AC withstand voltage (wire - wire)	10 kV
Max. operating temperature (fixed) Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) Operating temperature max. (dynamic) B0 °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		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 Torsion stress ± 180 °/m @ 25 °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 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 Torsion stress ± 180 °/m @ 25 °C	Operating temperature min. (dynamic)	-25 °C
Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical 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		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
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 speed 35 cycles/min 25 °C	·	± 180 °/m @ 25 °C
	Torsion speed	35 cycles/min 25 °C