

## MQ15 male 0° with cable type 2

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

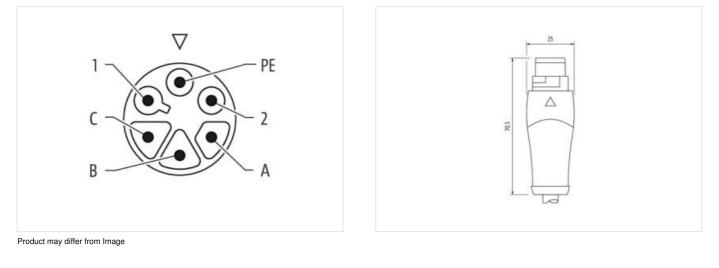
Male straight MQ15, 6-pole with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product





 BK 1	
GN YE	
BK 2	
BK 3	
BK 4	
BK 5	





Cable length

Side 1

Mounting method

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: 2024-05-19

1,5 m

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inserted, locked



Coating contact	silver-plated
Family construction form	MQ15
suitable for corrugated tube (internal $\emptyset$ )	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-10.1 ECLASS-11.1	27060311
ECLASS-11.1 ECLASS-12.0	27060311 27060327
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4065909060131
Packaging unit	1
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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	Туре 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	
Product standard	IEC 61076-2-116
Installation   Cable	

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Cable identification

P63

Jacket Color     black       Type of Certificate     CURus       Stranding     6 wires around Filer twisted       Filler     yes       wire arrangement     black 5, black 4, black 3, black 2, black 1, green-yellow       Cable weigh     227, 7g /m       Material jackel     PUR       Shore hardness jacket     90.1.5 Shore A       Freedom from ingredients (jackel)     10.5 mm       Tolerance outer diameter (ipakel)     10.5 mm       Tolerance outer diameter (isakel)     2.85 mm       Outer diameter insulation     2.85 mm       Outer diameter insulation     2.85 mm       Outer diameter insulation     1.63 mm       Conduct or or insulation     2.85 mm       Outer diameter insulation     1.63 fmm       Conduct or or insulation (locita)     60 f. 5 Shore D       Tarwering distarce (Crack)     5 m@ 2.5 °C <td< th=""><th>Cable Type</th><th>3</th></td<>	Cable Type	3
Type of Certificate     cURus       Stranding     6 wires around Filter twisted       Filter     yes       wire arrangement     black 5, black 4, black 3, black 2, black 1, green-yellow       Cable weight     227,7 grm       Material jacket     PUB       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     ± 5 %       Ingredient freeness wire insulation     16 Armon, Cadmium-free, CFC-free, halogen-free, allicone-free       Amount strands (wire)     140       Dameter of singla wires     0.15 mm       Conductor crossescelion (wire)     2.5 mm²       Canductor crossescelion (wire)     2.5 mm²       Canductor trossescelion (wire)     2.5 mm²       Canductor trossescelion (wire)     5 %       Taversing distance (C-track)     5 m @ 25 °C       Nominal voltage AC max.     1000 V		
Stranding     6 wires around Filler twisted       Filer     yes       wire arrangement     black 5, black 4, black 2, black 1, green-yellow       Cable weigth     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 (gacket)     10.5 mm       Tolerance outer diameter (sheath)     5 %       Material wire insulation     PP       Amount twinse     6       Outer diameter insulation     2.85 mm       Outer diameter insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount stands (wire)     140       Diameter of single wires     0,15 mm       Conductor russection (wire)     2.5 mm <sup>2</sup> Material conductor wire     Strandel coper wire, bare       Conductor russection (wire)     3.5 Shore D       Traversing distance (C-track)     5 m@ 2.5 °C       Normina Vottage AC max.     1000 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. wire     10 kV		
Filler     yes       wire arrangement     black 5, black 4, black 3, black 2, black 1, green-yellow       Cable weigh     227, 7 g/m       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 (shealt)     ± 5 %       Material wire insulation     PP       Amount wires     6       Outer diameter (shealt)     ± 5 %       Ingredient freeness wire insulation     2.85 mm       Outer diameter or insulation     £ 8 %       Ingredient freeness wire insulation     kead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount wires     6       Conductor crossection (wire)     140       Diameter of single wires     0,15 mm       Conductor trossection (wire)     2,5 mm <sup>2</sup> Conductor trossection (wire)     45 5 hore D       Traversing distance (L-track)     5 m @ 25 °C       Nominal voltage AC max.     1000 V       Current load capacity trim, wire     19,5 A       Electrical resistance line constant wire		
wire arrangement     back 5, black 4, black 3, black 2, black 1, green yellow       Cable weight     227.7 g/m       Matorial 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 jacket     PP       Amount wires     6       Outer diameter insulation     2.85 mm       Outer diameter insulation     1.8 %       Ingredient freeness wire insulation     1.8 %		
Cable weight 227,7 g/m   Material jacket PUR   Shore hardness jackt 90 ± 5 Shore A   Freedom from ingredients (jacket) 10.5 mm   Tolerance outer diameter (sheath) ± 5 %   Material wire insulation PP   Amount wires 6   Outer diameter tolerance core insulation ± 5 %   Ingredient freeness wire insulation 2.85 mm   Outer diameter tolerance core insulation ± 5 %   Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, allicone-free   Amount strands (wire) 140   Diameter of ingle wires 0.15 mm   Conductor crosssection (wire) 2.5 mm²   Material wire ingle wires 0.6 0 ± 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 Q/km @ 20 °C   AC withstand voltage (wire - ingle wires) 10 kV   Power frequency withstand voltage (wire - ingle of C-190 °C @ 10000 h Operation   Operating temperature (ktac) .60 °C / 90 °C @   Ac withstand voltage (wire - ingle operation = 0.51 °C   Nominal transition .60 °C   Min. operating temperature (ktac) .60 °C		-
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 insulation     2,85 mm       Outer diameter of logrance core insulation     ± 5 %       Ingredient freeness wire insulation     140       Diameter of single wires     0,15 mm       Conductor crossection (wire)     2,5 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor vise     Stranded copper wire, bare       Conductor wire     Stranded copper wire, bare       Conductor vise     Stranded copper wire, bare       Curemet load capacity (standard)     to DIN VD		
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 (jacket) ± 5 %   Material wire insulation PP   Amount wires 6   Outer diameter (isolation 2,85 mm   Outer diameter isolation ± 5 %   Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, allicone-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 AC max. 1000 V   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   Power forguency withstand voltage (Wire - Wire) 8 Ω/km @ 20 °C   Material resistance Di SO °C   Max. operating temperature (take) 80 °C / 90 °C @ 10000 h Operation<		
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 wise insulation   PP     Amount wires   6     Outer diameter insulation   2,85 mm     Outer diameter insulation   16 %     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 cossection (wire)   2,5 mm <sup>2</sup> Material iconductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Shore hardness wire insulation (Data)   60 ± 5 % hore 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 (standard)   to DIN VDE 0298 4     Current load capacity (min, wire)   10 kV     Min. operating temperature (static)   -5		
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   2.85 mm     Outer diameter tolerance core insulation   15 %     Ingredient freeness wire insulation   16a/1ree, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   140     Diameter of single wires   0,15 mm     Conductor cosssection (wire)   2.5 mm <sup>2</sup> 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 toad capacity (standard)   to DIN VDE 0298-4     Current toad capacity (standard)   to DIN VDE 0298-4     Current toad capacity (wire - wire)   10 kV     Power frequency withstand voltage (wire - iso? C   10 kV     Min. operating temperature (stack)   60 °C / 90 °C @ 10000 h Operation     Operating temperature (stack)   80 °C / 90 °C @ 10000 h Operation <td>-</td> <td></td>	-	
Tolerance outer diameter (shealth)   ± 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 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 VUE 0298-4     Mix operating temperature (static)   -50 °C     AC withstand voltage (wire - wire)   10 kV     Power frequency withstand voltage (wire - wire)   10 kV     Power frequency withstand voltage (wire - wire)   -55 °C     Operating temperature (static)   -55 °C <td></td> <td>-</td>		-
Material wire insulation     PP       Amount wires     6       Outer diameter insulation     2.85 mm       Outer diameter insulation     ± 5 %       Ingredient freeness wire insulation     tead-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 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 - isoket)     10 kV       Max. operating temperature (static)     -50 °C       Max. operating temperature (mixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature max. (dynamic)     -25 °C       Operating temperature max. (dynamic)     80 °C / 90 °C @ 10000 h Operation<		
Amount wires   6     Outer diameter insulation   2.85 mm     Outer diameter tolerance core insulation   ± 5 %     Ingredient freeness wire insulation   1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   140     Diameter of single wires   0,15 mm     Conductor rosseection (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 mi. 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 - lack)   50 °C     Max. operating temperature min. (dynamic)   80 °C / 90 °C @ 10000 h Operation     Operating temperature (mi. (dynamic)   80 °C / 90 °C @ 10000 h Operation     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     Operating temperature min. (dynamic)   80 °C / 90 °C @ 100		
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 (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       Max. operating temperature (static)     -50 °C       Max. operating temperature (static)		
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 AC max.     1000 V       Current load capacity (standard)     to DIN VD 02084-4       Current load capacity (standard)     to DIN VD 02098-4       Current load capacity wins.wire     10 kV       Power frequency withsta		
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 win: 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 - illo kV   10 kV     Min. operating temperature (static)   -50 °C     Max. operating temperature (intext)   80 °C / 90 °C @ 10000 h Operation     Operating temperature min. (dynamic)   -25 °C     Operating temperature max. (dynamic)   -25 °C     Operating temperature max. (dynamic)   -50 °C     Ham resistance   UI 1851 § 1090   IEC 60332-2:2   UL 1581 § 1100 FT2		
Amount strands (wire)140Diameter of single wires0,15 mmConductor orosssection (wire)2,5 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Shore hardness wire insulation (Data)60 ± 5 Shore DTraversing distance (C-track)5 m @ 25 °CNominal voltage AC max.1000 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (wire - wire)10 kVPower frequency withstand voltage (wire - isolate (wire - isolate))10 kVPower frequency withstand voltage (wire - isolate)50 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (mixed)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090   IEC 60332-2 · 2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceDIN EN ISO 4891-404   Good, application-related testingGasoline resistanceDIN EN 1404   Good, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)7,5 × Outer diameterBending radius (fixed)7,5 × Outer diameterBending radius (fixed)7,5 × Outer diameterBending radius (fixed)5 Mio. @ 25 °C		
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 NV     Power frequency withstand voltage (wire - wire)   10 kV     Power frequency withstand voltage (wire - intervelow)   10 kV     Max. operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation <td></td> <td></td>		
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 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   10 kV     Power frequency withstand voltage (wire - jacket)   10 kV     Power frequency withstand voltage (wire - jacket)   -50 °C     Max. operating temperature (static)   -50 °C     Max. operating temperature (static)   -25 °C     Operating temperature min. (dynamic)   -25 °C     Operating temperature min. (dynamic)   80 °C / 90 °C @ 10000 h Operation     UV resistance   UN 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Gasoline resistance   DIN EN 160611-404   Go		
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     Power frequency withstand voltage (wire - wire)   10 kV     Power frequency withstand voltage (wire - jacket)   -50 °C     Max. operating temperature (static)   -50 °C     Max. operating temperature (ifxed)   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 § 1000   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     Oil resistance   Good, application-related testing     Oil resistance </td <td>-</td> <td>·</td>	-	·
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     Power frequency withstand voltage (wire - incket)   10 kV     Power frequency withstand voltage (wire - incket)   -50 °C     Max. 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 § 1000   IEC 60332-2-2   UL 1581 § 1100 FT2     chemical resistance   Good, application-related testing     Gasoline resistance   DIN EN 60811-404   Good, application-related testing     Goil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   7,5 x Outer diameter     Bending radius (ginamic)   10 x Outer diameter <td< td=""><td></td><td></td></td<>		
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 <i>Ql</i> km @ 20 °C     AC withstand voltage (wire - wire)   10 kV     Power frequency withstand voltage (wire - jacket)   10 kV     Power frequency withstand voltage (wire - jacket)   10 kV     Power frequency withstand voltage (wire - jacket)   10 kV     Power frequency withstand voltage (wire - jacket)   10 kV     Power frequency withstand voltage (wire - jacket)   10 kV     Min. operating temperature (static)   -50 °C     Max. operating temperature (static)   -50 °C     Operating temperature min. (dynamic)   -25 °C     Operating temperature min. (dynamic)   80 °C / 90 °C @ 10000 h Operation     UV 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 <t< td=""><td></td><td></td></t<>		
Traversing distance (C-track)5 m @ 25 °CNominal voltage AC max.1000 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire19,5 AElectrical resistance line constant wire8 Ω/km @ 20 °CAC withstand voltage (wire - wire)10 kVPower frequency withstand voltage (wire - jacket)10 kVMin. operating temperature (static)-50 °CMax. operating temperature (static)-50 °CMax. operating temperature (static)-50 °CMax. operating temperature min. (dynamic)-25 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)7,5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °C	Conductor type (wire)	strand class 6
Nominal voltage AC max.1000 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire19,5 AElectrical resistance line constant wire8 Ω/km @ 20 °CAC withstand voltage (wire - wire)10 kVPower frequency withstand voltage (wire - jacket)10 kVMin. operating temperature (static)-50 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)7,5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °C	Shore hardness wire insulation (Data)	60 ± 5 Shore D
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire19,5 AElectrical resistance line constant wire8 Ω/km @ 20 °CAC withstand voltage (wire - wire)10 kVPower frequency withstand voltage (wire - jacket)10 kVMin. operating temperature (static)-50 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)7,5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 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   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	Nominal voltage AC max.	1000 V
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 § 1000   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	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire)10 kVPower frequency withstand voltage (wire - jacket)10 kVMin. operating temperature (static)-50 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)7,5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °C	Current load capacity min. wire	19,5 A
Power frequency withstand voltage (wire - jacket)10 kVMin. operating temperature (static)-50 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)7,5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °C	Electrical resistance line constant wire	8 Ω/km @ 20 °C
jacket)IO KVMin. operating temperature (static)-50 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)7,5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °C	AC withstand voltage (wire - wire)	10 kV
Max. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)7,5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °C		10 kV
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	Min. operating temperature (static)	-50 °C
Operating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)7,5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 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	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     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	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	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	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	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	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 10 x Outer diameter   Travel speed (C-track) 5 Mio. @ 25 °C	Oil resistance	DIN EN 60811-404   Good, application-related testing
Travel speed (C-track) 5 Mio. @ 25 °C	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	-	± 180 °/m @ 25 °C
Torsion speed 35 cycles/min 25 °C		-

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: 2024-05-19

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