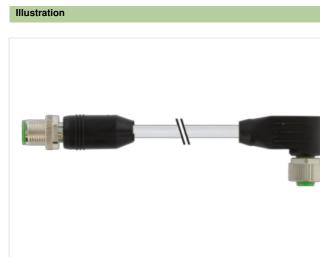


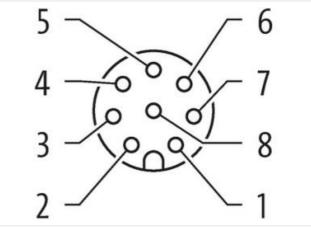
M12 male 0° / M12 female 90° A-cod. shielded

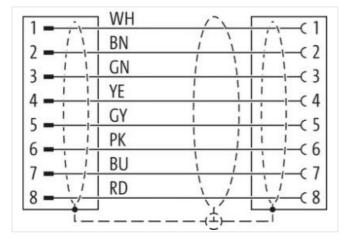
PUR 4x2x0.25 shielded gy 4m

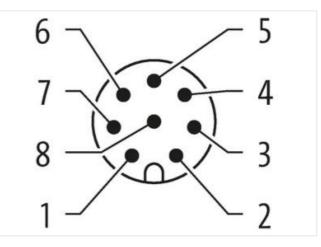
Male straight – female 90° M12 – M12, 8-pole shielded Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

Link to Product





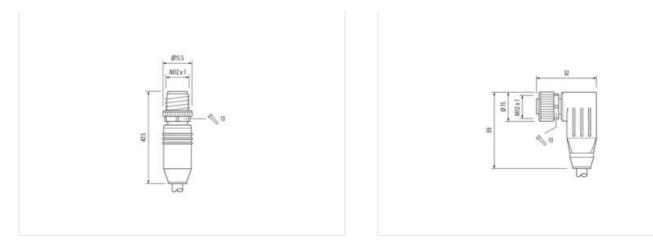




The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-26

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Product may differ from Image

Cable length	4 m
Side 1	
Family construction form	M12
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879522908
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
Device protection Electrical	
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	
Environmental characteristics Climatic	¢
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Installation Cable	

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Cable isomification 286 Jacket Color gray Amount stranding 4 Stranding 2 wires twisted Amount stranding (type 2) 1 Stranding (type 2) 4 Strandor (type 2) Cable ablefing (type) copper braid, timed Cable ablefing (type) copper braid, timed Cable ablefing (type) copper braid, timed Cable weigh 74.8 grm Material jacket TPU Store hard/ness jacket TS s Freadom from ingredients (jacket) 7.1 mm Outer diameter (sheath) 5.5 % Material wei instalation 1.2 mm Outer diameter tolerance core instalation 6.5 % Store hard/ness wei instalation 1.5 % Materi ad weize	wire arrangement	(brown, white), (red, blue), (pink, gray), (yellow, green)
Amount stranding 4 Stranding 2 wires kvisted Amount stranding (type 2) 1 Stranding (type 2) 4 Stranded joints twisted Cable shaleding (type) copper braid, tinned Cable shaleding (type) 68 % Banding Fleece, Foll wire arrangement (towwrape) Cable weigin 74.8 g/m Material jacket TPU Store hardness jacket 82 5 Shore A Freedom form ingredients (jacket) 1ead-tree, cadmium-free, CFC-tree, halogen-free Outer diamoter (jackat) 7,1 mm Tolerano outer diamoter (jackat) 5 % Store hardness wire insulation FP Outer diameter tilerance core insulation 5 % Store hardness wire insulation 5 % S Store hardness wire insulation 5 % S Store hardness wire insulation 5 % S Conduct or type (wire) 32 Dameter of singly wires 0.1 mm Conductor ruspe (wire) 32 Conductor ruspe (wire) 15 kW 26 6 0 s Normina tolagae AC max	Cable identification	286
Stranding 2 wires twisted Amount stranding (type 2) 1 Stranding (type 2) 4 Stranded joints twisted Cable shiekting (coverage) 85 % Banding Floece, Foll wire arrangement (trown, while), (trod, blue), (prick, gray), (yellow, green) Cable weight 74.8 g/m Material jacket TPU Shore hardness jacket 85 5.5 Shore A Feedom from ingredients (jacket) 1643-fee, cadmium-free, CPC-free, halogen-free Outer-diameter (jacket) 7,1 mm Tolerance outer diameter (robetth) 5 5 % Material ince insulation PP Amount wires 8 Outer diameter insulation 1,2 mm Out	Jacket Color	gray
Amount stranding (type 2) 1 Stranding (type 2) 4 Stranded pints twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 85 % Banding Fleece, Fol Wire arrangement (brown, while), (red, blue), (pink, gray), (yellow, green) Cable weigh 74,8 g/m Material jacket TPU Shore hardness jacket 85 5 5 Shore A Freedom from ingredients (jacket) leasi-free, cadmium-free, CFC-free, halogen-free Outer-diameter (insket) 7,1 mm Tolerance outer diameter (other) 1,5 % Material wrie insulation PP Amount wries 8 Outer diameter insulation 1,2 mm Outer diameter insulation 1,5 % Shore hardness wire insulation 1,5 % Shore hardness wire insulation 1,5 % Cader diameter insulation 1,5 % Shore hardness wire insulation 1,5 % Shore hardness wire insulation 1,5 % Shore hardness wire insulation 1,5 % Nount strands (yries) 32	Amount stranding	4
Stranding (type 2) 4 Stranded joints twisted Cable shelding (coverage) 65 % Banding Fleece, Foll wire arrangement Curown, while, (red, blue), (pink, gray), (yellow, green) Cable shelding (coverage) 85 % Cable shelding (coverage) 85 % Cable medipting 74.8 g/m Material jocket TPU Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) 7.1 mm Tolerance ouler diameter (jacket) 7.1 mm Tolerance ouler diameter (jacket) 1.2 mm Outer diameter insulation PP Annout Wires 8 Outer diameter insulation 5 % Shore hardness wire insulation 5 1.5 Shore D Ingredient Terness wire insulation 65 1.5 Shore D Outer diameter lowerance core insulation 1.2 mm Outer diameter of single wires 0.1 mn Conductor orssessetion (wire) 0.2 mm² Outer diameter of single wires 51 molt Conductor type (wire) 1.5 kV @ 60 s Conductor type (wire) 1.5 kV @ 60 s Conductor vires wire insulation <t< td=""><td>Stranding</td><td>2 wires twisted</td></t<>	Stranding	2 wires twisted
Cable shielding (coverage) copper braid, tinned Cable shielding (coverage) 85 %. Banding Fleece, Fol wire arrangement (brown, white), (red, blue), (pink, gray), (yellow, green) Cable weigh 74.8 g/m Material jacket TPU Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (gacket) lead-free, cadmium-free, CFC-free, halogen-free Outer-diameter (lacket) 7.1 mm Tolerance outer diameter (sheath) ± 5 % Material jacket 8 Outer diameter (sheath) ± 5 % Material wre insulation 1.2 mm Outer diameter (sheath) ± 5 % Shore hardness wie insulation 1.2 fm Outer diameter (sheath) ± 5 % Shore hardness wie insulation 6.1 5 Shore D Ingredient freeness wire insulation 6.2 5 Shore D Ingredient freeness wire insulation 1.2 mm Conductor yee (wire) 3.2 6 Smm ² Granue to diarge (wire) 0.25 mm ³ Conductor yee (wire) strande dosper wire, bare Conductor yee (wire)	Amount stranding (type 2)	1
Cable shielding (coverage) 85 % Banding Fleece, Foil wire arrangement (brown, while), (red, blue), (pink, gray), (yellow, green) Cable weigh 74,8 g/m Material jacket TPU Shore hardness jacket 185 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free Outer diameter (jacket) ± 5 % Material wrie insulation PP Amount wries 8 Outer diameter insulation 1.2 mm Outer diameter insulation ± 5 % Shore hardness wire insulation 65 ± 5 Shore D Ingredient freeness wire insulation 63 2 Dameter of single wires 0.1 mm Conductor rowssection (wire) 0.2 mm ² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage (y fear-andr) 10 DN VDE C284 4 Current load capacity (standard) 10 DN VDE C284 4 Current load capacity (standard) 1.5 kV @ 60 s Rever frequency withstand voltage (wire - shield) 1.5 kV @ 60 s <td>Stranding (type 2)</td> <td>4 Stranded joints twisted</td>	Stranding (type 2)	4 Stranded joints twisted
Banding Fleece, Foll wire arrangement (brown, while), (joink, gray), (yellow, green) Cable weigh 74.8 g/m Matarial jacket TPU Shore hardness jacket 85.5 Shore A Freedom from ingredients (jacket) 18.4 free, cadmium-free, CFC-free, halogen-free Outer diameter (jackat) 7.1 mm Tolerance outer diameter (jacket) 7.1 mm Outer diameter (jackat) 7.1 mm Outer diameter (jackat) 1.2 mm Outer diameter (jackat) 1.2 mm Outer diameter (jackat) 65.4 S Shore D Ingredient treeness wire insulation 1.2 mm Outer diameter (jackare) 65.4 S Shore D Ingredient treeness wire insulation 65.4 S Shore D Ingredient treeness wire insulation 62.5 S Shore D Ingredient treeness wire insulation 62.5 S Shore D Conductor prossection (wire) 0.25 mm ² Conductor prossection (wire) 0.25 mm ² Conductor prop (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity mis.mator 1.5 kV @ 60 s	Cable shielding (type)	copper braid, tinned
wire arangement (brown, white), (red, blue), (pirk, gray), (yellow, green) Cable weight 74.8 g/m Material jacket TPU Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free Outer-diameter (jacket) 2.5 % Material jacket 7,1 mm Tolerance outer diameter (slacket) 2.5 % Material wire insulation PP Amount wires 8 Outer diameter insulation 1.2 mm Outer diameter insulation 1.2 mm Outer diameter insulation 5 ± 5 % Shore hardness wire insulation 5 ± 5 % Darater outer ses wire insulation 5 ± 5 % Shore hardness wire insulation 5 ± 5 % Shore hardness wire insulation 5 ± 5 % Diameter of single wires 0,1 mm Conductor wires Stranded copper wire, bare Conductor vire Stranded copper wire, bare Conductor vire Stranded copper wire, bare Conductor vire Stranded copper wire, bare Conductor type (wire) <td>Cable shielding (coverage)</td> <td>85 %</td>	Cable shielding (coverage)	85 %
Cable weight 74.8 g/m Material jacket TPU Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free Outer-diameter (jacket) 7.1 mm Tolerace outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 8 Outer diameter (sheath) ± 5 % Shore hardness wire insulation 1.2 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 65 ± 5 Shore D Ingredient freeness wire insulation 65 ± 5 Shore D Ingredient freeness wire insulation 42 % Conductor crosssection (wire) 0.25 mm² Conductor vire Stranded copper wire, bare Conductor vire Stranded copper wire, bare Conductor vire Stranded copper wire, bare Conductor vire 30 V Current load capacity (standard) to DIN VDE 6298-4 Current load capacity (standard) to DIN VDE 6298-4 Current load capacity (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage (wire - shield) 1,5 kV	Banding	Fleece, Foil
Material jacket TPU Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) kas 1 free, cadmium-free, CFC-free, halogen-free Outer-diameter (jacket) 7,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 8 Outer diameter folderance core insulation 1,2 mm Outer diameter folderance core insulation 5 % Shore hardness wire insulation 65 ± 5 Shore D Ingredient freeness wire insulation 65 ± 5 Shore D Ingredient freeness wire insulation 62 ± 5 Shore D Ingredient freeness wire insulation 62 ± 5 Shore D Ingredient freeness wire insulation 12 mm Conductor crossection (wire) 0,25 mm² Conductor vises exist on stand stands (wire) 0,25 mm² Conductor type (wire) strand class 6 Norminal voitage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire - wire) 1,5 kV @ 60 s Power fr	wire arrangement	(brown, white), (red, blue), (pink, gray), (yellow, green)
Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free Outer diameter (jacket) 7,1 mm Tolerance outer diameter (heath) ± 5 % Material wire insulation PP Amount wires 8 Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 65 ± 5 Shore D Ingredient freeness wire insulation 65 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor type (wire) stranded copper wire, bare Conductor type (wire)	Cable weigth	74,8 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free Outer-diameter (jacket) 7,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 8 Outer diameter insulation 1,2 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 65 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor orsessection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) ID IN VDE 028-4 Current load capacity (standard) ID IN VDE 028-4 Current load capacity wint. wire 3 A Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Min. operating temperature (stiked) 90 °C	Material jacket	TPU
Outer-diameter (jacket) 7,1 mm Tolerance outer diameter (shealt) ± 5 % Material wire insulation PP Amount wires 8 Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 65 ± 5 Shore D Imgredient freeness wire insulation 65 ± 5 Shore D Imgredient freeness wire insulation 12 km² Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strande copper wire, bare Conductor vire Stranded copper wire, bare Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire) 3 A Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency willistand voltage (wire - 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s AC withstand voltage (wire - Shield) 1,5 kV @ 60 s Querating temperature (fixed)	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (sheath) \pm 5 %Material wire insulationPPAmount wires8Couter diameter insulation1.2 mmOuter diameter insulation \pm 5 %Shore hardness wire insulation $65 \pm$ 5 Shore DIngredient freeness wire insulationlead-tree, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0.1 mmConductor crosssection (wire)0.25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298.4Current load capacity (standard)to DIN VDE 0298.4Current load capacity (wire)1.5 kV @ 60 sPower frequency withstand voltage (wire - wire)1.5 kV @ 60 sAC withstand voltage (wire - shield)1.5 kV @ 60 sAC withstand voltage (wire - shield)90 °COperating temperature (istatic)40 °CMax. operature (static)40 °CMax. operature ture (static)40 °CMax. operature ture (static)40 °CMax. operature ture (static)5 °COperating temperature (inf. (winamic)90 °COperating temperature (static)5 °COperating temperature (static)40 °CFiame resistanceEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testing <td< td=""><td>Freedom from ingredients (jacket)</td><td>lead-free, cadmium-free, CFC-free, halogen-free</td></td<>	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free
Material wire insulation PP Amourt wires 8 Outer diameter insulation 1,2 mm Outer diameter insulation 5 % Shore hardness wire insulation 65 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor rossection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - 1,5 kV @ 60 s Power frequency withstand voltage (wire - 4,5 kV @ 60 s Min. operating temperature (statc) -40 °C Max. operating temperature (statc) -40 °C Min. operating temperature (stree) 90 °C Operating temperature (stree) 90 °C Citae tesistance	Outer-diameter (jacket)	7,1 mm
Amount wires 8 Outer diameter insulation 1,2 mm Outer diameter insulation 15 % Shore hardness wire insulation 65 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0.1 mm Conductor rossection (wire) 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity winh wire 3 A Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - alice (static) -40 °C Max. operating temperature (static) -40 °C Querating temperature (static) -40 °C Operating temperature (static) -5 °C Operating temperature (static) -60 °C Flam resistance Good, application-related testing <	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation 1,2 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 65 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (stindard) to DIN VDE 0298-4 Current load capacity (stindard) to DIN VDE 0298-4 Curent load ca	Material wire insulation	PP
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 65 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor vire Stranded copper wire, bare Conductor wire Stranded copper wire, bare Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - wire) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Max. operature (static) -40 °C Max. operature (fixed) 90 °C Operating temperature min. (dynamic) -5 °C Operating temperature min. (dynamic) -5 °C Operating temperature min. (dynamic) 90 °C Cade application-related testing Gasolin eresistance Good, application-related testing	Amount wires	8
Shore hardness wire insulation65 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity wire, wire)3 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)1,5 kV @ 60 sPower frequency withstand voltage (wire - shield)1,5 kV @ 60 sMin. operating temperature (tiked)90 °COperating temperature (tiked)600, application-related testingGoil resistanceGood, application-related testingGoil resistanceGood, application-related testingGoil resistanceGood, application-related testingGoil resistance <t< td=""><td>Outer diameter insulation</td><td>1,2 mm</td></t<>	Outer diameter insulation	1,2 mm
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0.1 mm Conductor crosssection (wire) 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0296-4 Current load capacity (standard) to DIN VDE 0296-4 Current load capacity (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - is p Ω/km @ 20 °C AC AC withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (fixed) 90 °C Operating temperature (fixed) 90 °C Plame resistance IEC 60332-2-2 UL 1581 § 1990 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gil resistance Good, application-related testing	Outer diameter tolerance core insulation	±5%
Amount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)10 DIN VDE 0298-4Current load capacity (standard)1,5 kV @ 60 sElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)1,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMa. operating temperature (static)-40 °CMax. operating temperature (static)-5 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)90 °CFlame resistanceIEC 60032-2-2 I UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing I DIN EN 60811-404Bending radius (installation)x Outer diameterBending radius (fixed)7,5 x Outer diameter<	Shore hardness wire insulation	65 ± 5 Shore D
Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (min. wire)3 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)1,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)90 °COperating temperature (fixed)90 °CCorrent lesistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2Chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (wire)3 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)1,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)90 °COperating temperature (fixed)90 °CCorrent lesistanceIEC 60332-2-2 UL 1581 § 1000 UL 1581 § 1100 FT2Chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-rel	Amount strands (wire)	32
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - ishield) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Max. operating temperature (static) -40 °C Max. operating temperature (min. (dynamic) -5 °C Operating temperature max. (dynamic) 90 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing	Diameter of single wires	0,1 mm
Conductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)1,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)90 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)90 °CFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, applicati	Conductor crosssection (wire)	0,25 mm ²
Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)1,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (fixed)90 °COperating temperature max. (dynamic)-5 °COperating temperature max. (dynamic)90 °CFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)1,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (fixed)90 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)90 °CFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil r	Conductor type (wire)	strand class 6
Current load capacity min. wire3 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)1,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)90 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)90 °CFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resis	Nominal voltage AC max.	300 V
Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 90 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Bending radius (install	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire)1,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)90 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)90 °CFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingBending radius (installation)x Outer diameterBending radius (fixed)7,5 x Outer diameter	Current load capacity min. wire	3 A
Power frequency withstand voltage (wire - jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)90 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)90 °CFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingDil resistanceGood, application-related testingOuter diameterBending radius (installation)x Outer diameterT,5 x Outer diameter	Electrical resistance line constant wire	79 Ω/km @ 20 °C
jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)90 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)90 °CFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDifferenceSouth of the state of	AC withstand voltage (wire - wire)	1,5 kV @ 60 s
Min. operating temperature (static)-40 °CMax. operating temperature (fixed)90 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)90 °CFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingDIN EN 60811-404Eending radius (installation)x Outer diameterBending radius (fixed)7,5 x Outer diameter		1,5 kV @ 60 s
Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 90 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 7,5 x Outer diameter	AC withstand voltage (wire - shield)	1,5 kV @ 60 s
Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 90 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 7,5 x Outer diameter	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 90 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 7,5 x Outer diameter	Max. operating temperature (fixed)	90 °C
Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 7,5 x Outer diameter	Operating temperature min. (dynamic)	-5 °C
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 7,5 x Outer diameter	Operating temperature max. (dynamic)	90 °C
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 7,5 x Outer diameter	Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 7,5 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (installation) x Outer diameter Bending radius (fixed) 7,5 x Outer diameter	Gasoline resistance	Good, application-related testing
Bending radius (fixed) 7,5 x Outer diameter	Oil resistance	Good, application-related testing DIN EN 60811-404
	Bending radius (installation)	x Outer diameter
Bending radius (dynamic) 15 x Outer diameter	Bending radius (fixed)	7,5 x Outer diameter
	Bending radius (dynamic)	15 x Outer diameter

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: 2024-06-26

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