

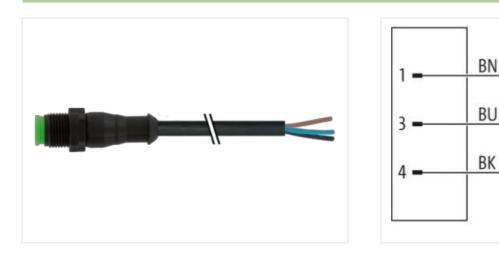
M12 male 0° A-cod. with cable Lite

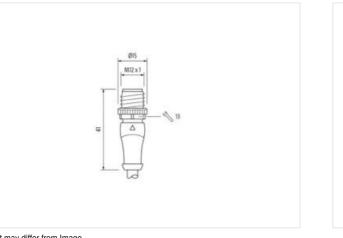
PVC 3x0.34 bk UL/CSA 10m

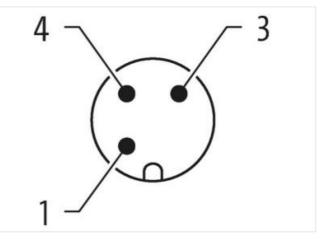
Male straight M12, 3-pole 7005 - plastic hexagonal screw (M12 Lite) with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

Link to Product

Illustration







Product may differ from Image



 Cable length
 10 m

 Side 1
 Tightening torque

 0,6 Nm

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: 2024-05-05

Murrelektronik GmbH | Falkenstraße 3 | 71570 Oppenweiler | Fon +49 (71 91) 47-0 | Fax +49 (71 91) 47-491000 | shop@murrelektronik.com | shop.murrelektronik.com



Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal \emptyset)	10 mm
Coding	A
Material contact	Copper alloy
No. of poles	3
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
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	4048879110549
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	250 V
Operating voltage DC max.	250 V 30 V
Operating voltage AC (UL-listed)	
Operating voltage DC (UL-listed) Current operating per contact max.	30 V 4 A
	47
Diagnostics	
Status indication LED	no
Installation Connection	
Stripping length (jacket)	20 mm
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	2,5 kV
Material group (IEC 60664-1)	
Mechanical data Material data	
Material housing	PUR
Locking material	PA
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
rmation in this Product-PDF has been compiled with the	

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: 2024-05-05

Murrelektronik GmbH | Falkenstraße 3 | 71570 Oppenweiler | Fon +49 (71 91) 47-0 | Fax +49 (71 91) 47-491000 | shop@murrelektronik.com | shop.murrelektronik.com



Contourning Contourning Product standard DN EN 61076-2-101 (M12) Installation (Cable	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standard DIN EN 61076-2-101 (M12) Installation (Cable Cable identification 613 Cable identification 613 Cable identification block Dippe of Cartificate cUPus Anount stranding 1 Stranding 3 wires twisted Wire arrangement brow, block, blue Cable weigh 34.1 g/m Material jacket PVC Strone fauriness jacket 85.1 S Shore A Freedom from ingredients (caket) lead-rese, cadmium-free, CPC-free, silicone-free Outer diameter (sketh) 1.5 % Material wire insulation 9.5 Outer diameter (sketh) 5.5 % Cable meter insulation 5.5 % Outer diameter insulation 5.5 % Duter diameter insulation 5.5 % Strone bardness wire insulation 5.5 % Duter diameter insulation 5.5 % Strone bardness wire insulation 5.5 % Duter diameter insulation 5.5 % Duter diameter insulation 5.5 % Diameter	Note on bending radius	
Installation Cable Cable instribution 613 Cable Type 1 Cable Type 1 Cable Type black Type of Carificate URus Annount stranding 1 Stranding Stranding Stranding Strandid Stranding Strandid Strandid Strandid Strandid Strandid Strandid Strandid Strandid Strandid Strandid Strandi Strandid	Conformity	
Cable identification613Cable Type1Jocket ColorJackType of CertificatecURusAmout stranding1Amout stranding3 wires twistedwire arrangementprown, black, blueCable wight34,1 g/mMaterial jackatPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)4.6 mmTolerance outer diameter (jacket)4.6 mmTolerance outer diameter (jacket)4.6 mmOuter diameter (jacket)5.5 %Outer diameter insulationPVCAmount stranding9.0 %Amount stranding9.0 %Amount stranding1.2 5 minOuter diameter insulation1.2 5 minOuter diameter insulation1.5 %Shore hardness wire insulation1.5 %Shore hardness wire insulation1.6 mmCardia (jacket)19Diameter of single wires0.15 mmConductor types wire insulation1.6 mmMaterial properties wire insulation1.6 mmMaterial properties wire insulation1.6 mmConductor types wire, bare0.15 mmConductor types wire, bare0.15 mmConductor types wire, bare0.15 mmConductor types wire, bare0.15 mmConductor types (wire)3.7 mmConductor types (wire)3.7 mmConductor types (wire)2.8 for QConductor types (wire)2.1 for QConductor types (wire)2.1 for QConductor	Product standard	DIN EN 61076-2-101 (M12)
Cable Type 1 Jacka Color black Jacka Color black Standing URus Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weigh 34,1 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) least-free, cadmium-free, CFC-free, silicone-free Outer -diameter (jacket) 4.6 mm Tolerance outer diameter (shelt) 5 % Material vira insulation PVC Amount viras 3 Outer -diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 45 ± 5 Shore D Material proprinter wire insulation 19 Diameter of single wires 0.15 mm Conductor rowssection (wire) 0.34 mm ² Material concert method works and capper wire, bare 0.50 mm Conductor rowssection (wire) 0.15 mm Conductor rowssection (wire) 0.34 mm ²	Installation Cable	
Cable Type 1 Jacka Color black Jacka Color black Standing URus Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weigh 34,1 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) least-free, cadmium-free, CFC-free, silicone-free Outer -diameter (jacket) 4.6 mm Tolerance outer diameter (shelt) 5 % Material vira insulation PVC Amount viras 3 Outer -diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 45 ± 5 Shore D Material proprinter wire insulation 19 Diameter of single wires 0.15 mm Conductor rowssection (wire) 0.34 mm ² Material concert method works and capper wire, bare 0.50 mm Conductor rowssection (wire) 0.15 mm Conductor rowssection (wire) 0.34 mm ²	Cable identification	613
Jacket Color black Upper Cortificate cURus Upper Cortificate cURus Upper Cortificate cURus Stranding 1 Stranding 3 wires twisted Stranding 3 wires twisted Upper Cortificate Cortification Cortificate Cortification Cortificate Cortification Cortificate Cortification Cort		
Type of Certificatio cURus Amount stranding 1 Stranding 3 wires twisted Wire arrangement brown, black, blue Cable weight 34,1 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-tree, cadmium-free, CFC-free, silicone-free Outer diameter (jacket) 4 m m Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Amount wices 3 Outer diameter (sheath) ± 5 % Shore hardness wire insulation 1,25 mm Outer diameter tolerance core insulation ± 5 5 Shore D Material properties wire insulation 4 5 5 Shore D Material properties wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strand (wire) 19 Diameter of single wires 0,15 mm Conductor rissescelin (wire) 0,44 mm ² Conductor rissescelin (wire) Strand class 5 Nominal voltage (AC max. 300 V Current load capacity (standard) D		
Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weigth 34,1 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer diameter (jacket) 4.6 mm Tolerance outer diameter (jacket) 4.6 mm Tolerance outer diameter (jacket) 4.5 mm Outer diameter insulation PVC Amount wires 3 Outer diameter insulation PVC Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter insulation 45 ± 5 Shore D Material properties wire insulation 19 Diameter of single wires 0,15 mm Conductor rorsses wire insulation 0,34 mm ³ Material conductor wire Stranded copper wire, bare Conductor rosses otton (wire) 0,34 mm ³ Material acoductor wire Stranded copper wire, bare Conductor vires ottor sinsulation 6 A <		
Stranding 3 wires twisted wire arrangement brown, black, blue Cable weight 34,1 g m Material jacket PVC Shore hardness jacket 85,5 Shore A Freedom from ingredients (jacket) lead-free, cantium-free, CFC-free, silicone-free Outer-diameter (jacket) 4,6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter (sheath) ± 5 % Shore hardness wire insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Material wire insulation 45 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation good machinability Cond		
wire arrangementbrown, black, blueCable weight34.1 g/mCable weight95 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4.6 mmTolerance outer diameter (slacket)± 5 %Material jacket97 CAmount vires3Outer diameter (slacket)1.25 mmOuter diameter insulation1.25 mmOuter diameter insulation1.25 mmOuter diameter insulation4.5 %Shore hardness wire insulation4.5 %Shore hardness wire insulation4.5 %Outer diameter insulation4.5 %Shore hardness wire insulationgod machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)19Ingredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)0.34 mm²Conductor resessection (wire)0.34 mm²Conductor vireeStranded copper wire, bareConductor vireeStranded copper vire, bareConductor vireeStranded copper viree, bare<		
Cable weight 34,1 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 4,6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter (sheath) ± 5 % Material wire insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Material properties wire insulation 45 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strand Ke (wire) 19 Diameter of single wires 0,15 mm Conductor rowsection (wire) 0,34 mm² Material conductor wire Strand class 5 Conductor type (wire) Strand class 5 Nominal voltage AC max. 300 V Current toad capacity (standard) to DIN VDE 0280-4 Current toad capacity (standurd) to DIN VDE 0280-4		
Material jacket PVC Shore hardness jacket 85 5 5 Shore A Shore hardness jacket 85 5 5 Shore A Freedom from ingredients (jacket) Iead-free, cadmium-free, CFC-free, silicone-free Outer diameter (gacket) 4.6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation ± 5 % Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0.15 mm Conductor wire Strand class 5 Nominal voltage AC max. 300 V Current load capacity (stindard) to DIN VDE 0298-4 Current load capacity (stindard) to DIN VDE 0298-4 Current load capacity (wire) 2kV @ 60 s Min. operating temperature (statc) -30 °C Mix. operating temperature (statc)		
Shore hardness jacket B5 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 4.6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation god machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Di		
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 4.6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter risulation 1.25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation good machinability Ingredient freeness wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor vipe (wire) Strand copper wire, bare Conductor type (wire) Strand copper wire, bare Current load capacity (standard) to DIN VDE 0298-4 Current load capacit		
Outer-diameter (acket) 4.6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 45 ± 5 Shore D Material properties wire insulation go of machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, sillcone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm Conductor rossesection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor rossesection (wire) 0,34 mm² Conductor type (wire) Strand class 5 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire) 2 kV @ 60 s AC wirtstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - sinc) 30 °C Operating temperatur		
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 45 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm Conductor crossection (wire) 0.34 mm² Material conductor wire Strande copper wire, bare Conductor type (wire) Strand class 5 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4		
Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation 1.5 % Shore hardness wire insulation 45 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 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) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - Wire) 2 kV @ 60 s Min. operating temperature (fixed) 80 °C Operating temperature (static) -5 °C Operating temperature (fixed) 80 °C U' res		
Amount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation1,5 %Shore hardness wire insulation45 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)19Diameter of single wires0,15 mmConductor crossection (wire)0,34 mm²Material properties wire insulationStranded copper wire, bareConductor vireStranded copper wire, bareConductor type (wire)Strand class 5Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity mix/me6 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - ackett)-30 °CMax. operating temperature (static)-30 °COperating temperature (static)-5 °COperating temperature (static)-5 °COperating temperature max. (dynamic)80 °CUV resistanceIDIN EN ISO 4892-2 AFlam resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related t		
Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 45 ± 5 Shore D Material properties wire insulation god machinability Ingredient freeness wire insulation god machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.34 mm² Material conductor wire Strande copper wire, bare Conductor type (wire) Strand class 5 Nominal voltage (wire) 0.10 NVDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire) 2 kV @ 60 s Power frequency withstand voltage (wire - 2 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (static) -30 °C Operating temperature (maxil) 80 °C<		
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 45 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor type (wire) Strand class 5 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity winkstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Min. operating temperature (static) -30 °C		
Shore hardness wire insulation 45 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm Conductor crossection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strande copper wire, bare Conductor type (wire) Strand class 5 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Cavitystand voltage (wire - wire) 2 KV @ 60 s Power frequency withstand voltage (wire - if 0, 0 s 2 kV @ 60 s Max. operating temperature (static) -30 °C Max. operating temperature (static) -30 °C Max. operating temperature (static) 5 °C Operating temperature		·
Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm Conductor rosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity win. wire 6 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - iacket) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance IEC 60332-22 ·L U 1581 § 1100 FT2 UL 1581 § 1090 chemical resisi		
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm Conductor rosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - isolage) 2 kV @ 60 s Min. operating temperature (static) -30 °C Operating temperature (static) -30 °C Operating temperature		
Amount strands (wire) 19 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 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 min. wire 6 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) -30 °C Max. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance EG 6032-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, app		
Diameter of single wires0,15 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire6 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (ixed)80 °COperating temperature (ixed)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOll resistanceGood, application-related testingOur resistanceGood, application-related testingOur resistanceGood, application-related testingOur resistan		
Conductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Nominal 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 min. wire6 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sMax. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing <td>. ,</td> <td></td>	. ,	
Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 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 min. wire 6 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (static) -30 °C Operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 50 °C UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing <		
Conductor type (wire)Strand class 5Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)6 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sNin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing		·
Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire6 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-relate		
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire6 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (static)-30 °COperating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceS × Outer diameter		
Current load capacity min. wire6 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (static)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceSo Od, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameter		
Electrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceS × Outer diameter		
AC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceSo do, application-related testingSo dot dotterSo dotter diameterSo dotter diameter		
Power frequency withstand voltage (wire - jacket)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceS × Outer diameter		
Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Stance Souther diameter	Power frequency withstand voltage (wire - jacket)	
Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Stance Souther diameter		-30 °C
Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Sance Good, application-related testing Oil resistance Good, application-related testing Sance Good, application-related testing Oil resistance Good, application-related testing S × Outer diameter S × Outer diameter	Max. operating temperature (fixed)	
Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Sending radius (fixed) 5 x Outer diameter	Operating temperature min. (dynamic)	
UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Sending radius (fixed) 5 x Outer diameter	Operating temperature max. (dynamic)	
Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	UV resistance	DIN EN ISO 4892-2 A
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	Flame resistance	
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	chemical resistance	
Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	Gasoline resistance	
Bending radius (fixed) 5 x Outer diameter	Oil resistance	
	Bending radius (fixed)	
	Bending radius (dynamic)	10 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: 2024-05-05

Murrelektronik GmbH | Falkenstraße 3 | 71570 Oppenweiler | Fon +49 (71 91) 47-0 | Fax +49 (71 91) 47-491000 | shop@murrelektronik.com | shop.murrelektronik.com