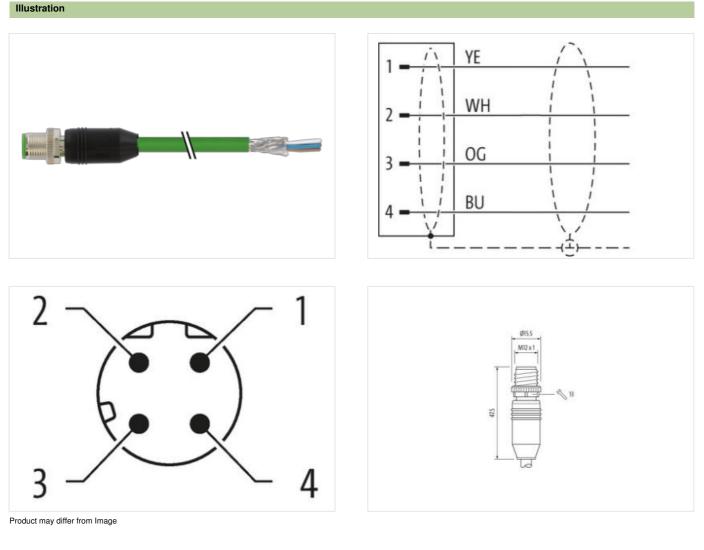


M12 male 0° D-cod. with cable shielded

PUR 1x4xAWG22 shielded gn UL/CSA 7.5m

Ethernet CAT5 Transmission properties with channel transmission up to 100 m Male straight M12, 4-pole D-coded shielded Further cable lengths 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.

Link to Product





Cable length

7,5 m

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: 2024-04-26

Murrelektronik bv | Noorderlaan 147-b9 | B-2030 Antwerpen | Fon +32 (0)380 868 81 | Fax | shop@murrelektronik.be | shop.murrelektronik.be



Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	D
Material	PUR SW13
Width across flats Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27061801
ECLASS-6.1	27060307
ECLASS-7.0	27060307
ECLASS-8.0	27060307
ECLASS-9.0	27060307
ECLASS-10.1	27060307
ECLASS-11.1 ECLASS-12.0	27060307
ECLASS-12.0 ETIM-5.0	27060307 EC002599
customs tariff number	85444290
GTIN	4048879327909
Packaging unit	1
	•
Electrical data Supply	
Operating voltage DC max.	60 V
Current operating per contact max.	1,5 A
Industrial communication	
Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Data transmission rate max.	100 MBit/s
Industrial communication Ethernet fun	ctionality
duplex	Full duplex
Installation Connection	
Mounting set	M12 x 1
Device protection Electrical	
•	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage Material group (IEC 60664-1)	1,5 kV
	•
Mechanical data	
Contour for corrugated hose	without
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
· ·	-25 °C
Operating temperature min.	-25 ℃ 85 ℃
Environmental characteristics Climatic Operating temperature min. Operating temperature max. Additional condition temperature range	

Murrelektronik bv | Noorderlaan 147-b9 | B-2030 Antwerpen | Fon +32 (0)380 868 81 | Fax | shop@murrelektronik.be | shop.murrelektronik.be



Conformity

Product standardDNE No 10762-001 (M12)Instantion (CableUNE No 10762-001 (M12)Cable identification74Cable identification94Dye of Certification0.1000Cable shelding (type)0.0000Cable shelding (type)0.0000Cable shelding (type)0.0000Cable shelding (type)0.00000Cable shelding (type)0.00000Cable shelding (type)0.000000Cable shelding (type)0.00000000000000000000000000000000000	-	
Cabio identification 794 Jacket Color green Type of Curificatio cURus Amount stranding 1 Stranding dives around Filer witeted Cabio shielding (type) copper braid, inned Cabio shielding (coverage) 85 % Bandring Filero View arranding Weite arrange around Filer witeted Cabio weigh Filero View arrange around Filer witeted Cabio weigh Material jacket 89 Stone A Freedom from ingredimits (ucket) Read-free, cadmium-free, CFC-free, halogen-free Calio weigh 6.7 mm Calio (more jacket) 89 Stone A Freedom from ingredimits (ucket) 8.7 % Calio (more jacket) 8.7 % Material arou (ucket) 8.5 % PE Outer diameter insulation 1.5 % Material arou (ucket) 8.5 % PE Insorut stards (ucket) 7	Product standard	DIN EN 61076-2-101 (M12)
Jackak Colyr groon Type of Certificate clRus Anount stranding 1 Stranding 4 wires around Fliner twisted Cable shielding (type) cooper trad, Inned Cable shielding (type) cooper trad, Inned Cable shielding (type) Stranding Piece, Foll Filter Wire arrangement white, yellow, blue, orange Cable weigh 75.87 g/m Matterial jacket 99 Shore A Freedom from ingodentis (jacket) 6.7 mm Tolerance surf analweit (facket) 6.7 mm Colardinameter (jacket) 6.7 mm Colardinameter (jacket) 6.5 % Material inner jacket FNNC Colard clarget insulation PE Arrount traines 4 Colard clarget insulation 1.5 % Colard clarget insulation 1.5 % mm	Installation Cable	
Jacket Color green Type of Curification cURus Amount stranding 1 Stranding 4 wires around Filler Iwisted Cable silekting (coverage) 85 % Banding Pieco, Foll Filler yes Wire arrangement white, yellow, blue, orange Cable silekting (coverage) 85 % Banding Pieco, Foll Filler yes Wire arrangement white, yellow, blue, orange Cable weigh 75.87 g/m Material jacket PUP Stroe hardness jacket 89 Shroe A Freedom from ingredents (jacket) 6.7 mm Older diameter insulation 1.5 5 mm Outer diameter insulation 1.5 5 mm Outer diameter insulation 1.5 5 mm Outer diameter insulation 6.5 Shore D Ingredent freeneess wire insulation 6.5 Shore D Ingredent freeneess wire insula	Cable identification	794
Type of Certificate CUPus Arnout tearning 1 Stranding 4 vices around Filler twisted Cable shiekding (toyea) coppor traid, linned Cable shiekding (toyeage) 85 % Banding Filler Wire arrangement white, yellow, blue, orange Cable weight 75.87 g/m Material jacket PUP Shore hardness jacket 89 Shore A Freedom from ingredients (jacket) 6.7 mm Tolerance outer diameter (health) 2.5 % Cable weight 75.87 g/m Material jacket 89 Shore A Freedom from ingredients (jacket) 6.7 mm Tolerance outer diameter (health) 2.5 % Cable weight 75.87 g/m Material inerginates 7 mm Color (inner jacket) white Material inerginates 7 mm Color (inner jacket) white Material were insulation 1.55 rm Color diameter insulation 1.55 rm Under diameter insulation 1.65 Shore D Ingredie		green
Amount stranding 1 Stranding 4 wires around Filler twisted Cable shielding (coverage) 85 % Banding Places, Foll Filler yes wire arrangement white, yellow, blue, orange Cable shielding (coverage) 85 % Banding Places, Foll Filler yes wire arrangement white, yellow, blue, orange Cable weigh 75,87 g/m Material jaoket PUP Shore hardhess jacket 89 Shore A Freedom from ingredents (jacket) 6,7 mm Outer-diameter (iscket) 6,7 mm Outer diameter (inscket) 6,7 mm Outer diameter (iscket) 6,7 mm Outer diameter isolation PE Amount wires 4 Outer diameter isolation 1,5 5 mm Outer diameter isolation 1,5 5 mm<		5
Stranding 4 wires around Filer twisted Cable shieking (type) copper braid, timed Cable shieking (coverage) 85 % Banding Filece, Fol Filer ys wire arrangement while, yellow, blue, orange Cable shieking (coverage) 85 % Banding 75.87 gm Material jacket PUR Shore hardness jacket 95 Shore A Freadom firm ingredents (jacket) 6.7 mm Cable diamoter (jacket) 6.7 mm Talerance outer diameter (releatit) 5 % Material jacket FFNC Calve diamoter (isolation) 1.5 mm Outer diamoter (insolation) 1.55 mm Outer diameter (insolation) 1.55 mm Tingredent free/maccore insolation 65 Shore D Ingredent free/maccore insolation 1.55 mm Outer diameter (insolation) 1.52 mm Material conductor wise 2.2 AWG Cannott singe wires		
Cable shelding (type) copper braid, tinned Cable shelding (coverage) 65 %. Banding Fleeco, Foll Filler yes vice arrangement while, yelw, bue, orange Cable weigh 75,87 g/m Material jacket FUR Shore hardness jacket 89 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, sillcone-free Outer diameter (jacket) 6.7 mm Tolerance outer diameter (shall) 1.5 % Material inner jacket FFRNC Color (inner jacket) white Material inner jacket FE Amount wires 4 Outer diameter insulation 1.5 5 mm Outer diameter insulation 5.5 S mm Outer diameter outer insulation 6.5 Shore D Ingredient treenes weie insulation 5.5 S mm Outer diameter outer swife insulation 6.5 Shore D Ingredient treenes weie insulation 1.5 % Shore hardness wife insulation 6.5 Shore D Ingredient tresenes wife insulation 5.5 Amout		4 wires around Filler twisted
Cable shielding (coverage) 65 % Banding Fleece, Foll Filler yes Wrie arrangement while, yellow, blue, orange Cable weight 75,87 g/m Material jacket FUR Shore hardness jackat B9 Shore A Freadom from ingredients (jackat) 6,7 mm Tolerance outer diameter (jackat) 6,7 mm Tolerance outer diameter (jackat) 4,5 % Material ineri jacket FPNO Color (inner jackat) while Material ineri jacket FPNO Color (inner jackat) while Material ineri jacket 4 Outer diameter isulation 1,55 mm Outer diameter isulation 4,5 % Shore hardness vie insulation 65 Shore D Ingredient freeness wire insulation 4,5 % Conductor crossection (wire) 22 AWG Conductor crossection (wire) 22 AWG Conductor wire Stranded copper wire, bare Current load capacity fusit Adminy 10 DU NDE 0294-4 Current load capacity fusit Adminy <td< td=""><td></td><td></td></td<>		
Banding Flaece, Foil Filer yes wire arrangemt wifle, yelfow, blue, orange Cable weight 75.87 g/m Material jacket PUR Shore hardness jacket 99 shore A Freedom from ingredients (acket) leas/Free, castmum-free, CFC-free, halogen-free, silicone-free Cubric-stameter (gacket) 6.7 mm Tolerance outer dameter (sheath) 2.5 % Material inner jacket FRNO Color (inner jacket) Wite Material inner jacket FRNO Color (inner jacket) 1.55 mm Outer diameter insulation 1.55 mm Outer diameter insulation 1.55 mm Outer diameter insulation 1.55 mm Conductor consessitien insulation 1.55 mm Conductor consessetion (wire) 7 Diameter of single wires 22 AWG Conductor consessetion (wire) 22 AWG Connect obcassetion (wire) 5% Electrical resistation inconstant (wire - wire) 52 % Current load capacity min. wire 4.8 A Characterist		
Filler yes wire arrangement white, yellow, blue, orange Cable weigh 75.87 g/m Matorial jacket PUR Shore hardness jacket 89 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6.7 mm Tolerance outer diameter (sheath) ± 5 % Matorial inner jackot) while Material wree insulation PE Amount wices 4 Outer diameter insulation 1.5 mm Outer diameter insulation 65 Shore D Ingredient freeness wire insulation 165 Shore D Ingredient freeness wire insulation 163 Shore Act free, CFC-free, halogen-free Amount wires 22 AWG Conductor crosssection (wire) 22 AWG Conductor wires 52 AWG Constructor wires 51 Shore Bardned copper wire, bare Current load capacity (standard) Io DN VDE 1298-4 Current load capacity (standard) 100 Q 2 15 % Electrical resistance 100 Q 2 15 % Electrical resistance lin		
where arrangement white, yellow, blue, orange Cable weight 75,87 g/m Material jacket PUR Shore hardness jacket 89 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6,7 mm Tolerance outer diameter (sheath) 1,5 % Material inner jacket FINC Color (inner jacket) while Material inner jacket FINC Coluer diameter insulation 1,55 mm Outer diameter insulation 1,55 mm Outer diameter tolerance core insulation 1,55 mm Outer diameter situation 6 Shore D Ingredient freeness wire insulation 6 Shore D Ingredient freeness wire insulation 6 Shore D Maunt stands (wire) 7 Diameter of single wires 22 AWG Conductor wire Stranded copper wire, bare Current load capacity min, wire 4.8 A Characteristic urie weight 50 Mm @ 20 °C Nominal voltage power (wire - wire) 24 W@ @ 0 s Current load capac		
Cable weight 75.87 g/m Material packet PUR Shore hardness plackt 89 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6.7 mm Tolerance outer diameter (sheath) ± 5 % Material imer jacket FINC Color (mer jackat) white Material wire insulation PE Amount wires 4 Outer diameter insulation 1.55 mm Outer diameter tolerance core insulation 6.5 Shore D Ingredient freeness wire insulation 6.5 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Tolemeter of ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Conductor crossection (wire) 22 AWG Conductor crossection (wire) 22 AWG Content cod agaeity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 029		
Material jacket PUR Shore hardness jacket 89 Shore A Freedom tion ingredents (jacket) lead-free, cadinium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6,7 mm Tolefance outer diameter (jacket) 5 % Matorial inner (jacket) white Outer diameter (jacket) 1.55 mm Outer diameter (jacket) 5 % Shore hardness wire insulation 1.55 mm Outer diameter (jacket) 2.5 % Shore hardness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 2.2 AWG Conductor crossoction (wire) 2.2 AWG Conductor wire Stranded copper wire, bare Current load capacity (fandard) to DIN OE C298.4 Current load capacity (marking wire) 5.0 Am @ 20 °C Nominal vottage power (wire - wire) 2.kV @ 60 s Covintis		
Shore hardness jacket 89 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free Outer diameter (jacket) 6.7 mm Tolerance outer diameter (jacket) 5 % Material inner jacket FFNC Color (inner jacket) white Material wire insulation PE Amount wires 4 Outer diameter insulation 1.55 mm Outer diameter tolerance core insulation 5 % Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Conductor wire Stranded copper wire, bare Current load capacity min. wire 4.8 A Characteristic impedance 100 CH 15 % Electrical resistance line constant wire 55 DA Im @ 20 °C Nominal voltage power (wire - shield) 2 kV @ 60 s Corrent load capacity min. wire 4.8 A Characteristic impedance 100 CH 15 %		-
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6.7 mm Tolerance outer diameter (jacket) 5 % Material inner jacket FRNC Color (inner jacket) white Material vinner jacket FRNC Color (inner jacket) white Material vin-sulation PE Amount wires 4 Outer diameter finalutation 1.55 mm Outer diameter folerance core insulation 1.65 % Shore hardness wire insulation 1.64 % Ingredient freeness wire insulation 1.64 % Conductor coresoscients (wire) 7 Diameter of single wires 22 AWG Conductor coresoscients (wire) 22 AWG Conductor wire Stranded copper wire, bare Current load capacity (standard) to DIN VDE 0288-4 Current load capacity (standard) to DIN VDE 0289-4 Current load capacity (standard) 50 Am @ 20 °C Nominal voltage power (wire - shield) 24V @ 60 \$ Power frequency withstand voltage power (wire - wire) 24V @ 60 \$ Qoveevid 24V @ 60 \$		
Outer-diameter (jacket) 6,7 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket) FRNO Color (inner jacket) white Material inner jacket) 1.55 mm Outer diameter tolerance core insulation 65 Shore D Ingredient treeness wire insulation 65 Shore D Ingredient treeness wire insulation FRFNO Conductor cossesction (wire) 22 AWG Conductor rossesction (wire) 22 AWG Current load capacity (standard) DIN VDE 0298-4 Current load capacity min. wire 4.8 A Characteristic impedance 100 Ω ± 15 % Electrical resistance line constant wire 50 LWm @ 20 °C Nominal voltage power AC max. 300 V Electrical capacity line constant wire 52 NLm @ 80		
Tolerance outer diameter (sheath) \pm 5 % Material viner jacket FRNC Color (inner jacket) white Material viner insulation PE Arrount vires 4 Outer diameter insulation 1.55 mm Outer diameter lolerance core insulation \pm 5 % Shore hardness wire insulation \pm 5 % Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Arrount strands (wire) 7 Diameter of single wires 22 AWG Conductor crossection (wire) 22 AWG 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 line constant wire 55 Ω /km @ 20 °C Nominal voltage power AC max. 300 V Electrical resistance line constant wire 55 Ω /km @ 20 °C Nominal voltage power (wire - wire) 2kV @ 60 s Min. operating temperature (stalo) 2kV @ 60 s Min. operating temperature (stalo) 40 °C Max. operating temperature (stalo)		
Material inner jacket FRNC Color (inner jacket) white Material wire insulation PE Amount wires 4 Outer diameter tolerance core insulation 1.55 mm. Outer diameter tolerance core insulation 4 5 % Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor cossesction (wire) 22 AWG Material conductor wire Stranded copper wire, bare Current load capacity (standard) to DIN VDE 0288.4 Current load capacity (standard) to DIN VDE 0288.4 Characteristic impedance 100 Ω ± 15 % Electrical resistance line constant wire 55 Ωkm @ 20 °C Nominal voltage power AC max. 300 V Electrical capacity line constant wire 52 QW @ 60 s AC withstand voltage power (wire - wire) 52000 pF/km AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (fixed) 40 °C Max. operating temperature (f		
Color (inner jacket)whiteMaterial wire insulationPEAmount wires4Outer diameter insulation1.55 mmOuter diameter insulation1.55 m/sShore hardness wire insulation65 Shore DIngredient freeness wire insulation165 Shore DIngredient freeness wire insulation167 C-free, halogen-freeAmount strands (wire)7Diameter of single wires22 AWGConductor crosssection (wire)22 AWGConductor crosssection (wire)22 AWGCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4.8 ACharacteristic impedance100 $\Omega \pm 15 \%$ Electrical resistance line constant wire55 $\Omega Vm @ 20 °C$ Nominal voltage power (Wire - shiekt)2 kV @ 60 s(wire - jacket)2k W @ 60 sPower frequency withstand voltage power (Wire - shiekt)2 kV @ 60 sAc withstand voltage power (Wire - shiekt)2 kV @ 60 sMin. operating temperature (statio)-40 °CMax: operating temperature (statio)-40 °CMax: operating temperature (statio)-30 °COperating temperature (statio)-30 °COperating temperature (statio)-30 °COperating temperature min. (dynamic)70 °CFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingGood, application-related testingGood, application-related testingGood, application-related testingGood, application-related testin	. , ,	
Material wire insulation PE Amount wires 4 Outer diameter insulation 1.55 mm Outer diameter tolerance core insulation 15 % Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crossection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Characteristic impedance 100 Q± 15 % Electrical resistance line constant wire 55 Ωkm @ 20 °C Nominal voltage power AC max. 300 V Electrical capacity line constant (wire - wire) 52000 pF/km AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 6		
Amount wires 4 Outer diameter insulation 1,55 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance 100 C1 ± 15 % Electrical resistance line constant wire 55 Ω/km @ 20 °C Nominal voltage power A Cmax. 300 V Electrical capacity line constant (wire - wire) 52000 pF/km AC withstand voltage power (wire - shield) 2 kV @ 60 s AC withstand voltage power (wire - shield) 2 kV @ 60 s Min. operating temperature (staic) 40 °C Max. operating temperature (staic) 40 °C AC withstand voltage power (Wire - wire) 2 k		
Outer diameter insulation 1,55 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crossection (wire) 22 AWG Conductor vire Stranded copper wire, bare Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.8 A Characteristic impedance 100 Ω ± 15 % Electrical resistance line constant (wire - wire) 52000 pF/km (power) 52000 pF/km Ac withstand voltage power (wire - shield) 2 kV @ 60 s Ac withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (min. dynamic) -30 °C Operating temperature (min. dynamic) -30 °C Operating temperature (min. dynamic) -30 °C Operating temperature (min. dynamic) <td< td=""><td></td><td></td></td<>		
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material 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 (inter expective free) 500 km @ 20 °C Nominal voltage power AC max. 300 V Electrical capacity line constant wire 52000 pF/km (power) 52000 pF/km AC withstand voltage power (wire - shield) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (keet) -30 °C Operating		· · · · · · · · · · · · · · · · · · ·
Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG 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 (standard) 100 Ω ± 15 % Electrical resistance line constant wire 55 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Electrical capacity line constant (wire - wire) 52000 pF/km (power) 52000 pF/km AC withstand voltage power (wire - shield) 2 kV @ 60 s Min. operating temperature (inc) 40 °C Max. operating temperature (ixed) 80 °C Operating temperature (ixed) 30 °C Operating temperature max. (dynamic) 70 °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 Gin resistance <t< td=""><td></td><td></td></t<>		
Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Characteristic impedance 100 Ω ± 15 % Electrical resistance line constant wire 55 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Electrical capacity line constant (wire - wire) 52000 pF/km AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - shield) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -30 °C Operating temperature (state) 30 °C Operating temperature (state) -30 °C Operating temperature (state) 70 °C Flame resistance U L 151 § 1000 IEC 60332-2-2 U L 1581 § 1100 FT2 chemical resistance		
Amount strands (wire)7Diameter of single wires22 AWGConductor crosssection (wire)22 AWGMaterial conductor wireStranded copper wire, bareCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4.8 ACharacteristic impedance100 $\Omega \pm 15$ %Electrical resistance line constant wire55 Ω km @ 20 °CNominal voltage power AC max.300 VElectrical capacity line constant (wire - wire)52000 pF/km(power)2 kV @ 60 sPower frequency withstand voltage power (wire - shield)2 kV @ 60 sRC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)40 °CMax. operating temperature (static)40 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingOil resistance <td< td=""><td></td><td></td></td<>		
Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.8 A Characteristic impedance 100 Ω ± 15 % Electrical resistance line constant wire 55 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Electrical capacity line constant (wire - wire) 52000 pF/km /power / 52000 pF/km AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (ixed) 80 °C Operating temperature max. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °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	Ingredient freeness wire insulation	leau-nee, Gro-nee, nalogen-nee
Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.8 A Characteristic impedance 100 Ω ± 15 % Electrical resistance line constant wire 55 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Electrical capacity line constant (wire - wire) 52000 pF/km (power) 52000 pF/km AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power 2 kV @ 60 s Max. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature min. (dynamic) -30 °C Operating temperature min. (dynamic) -70 °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 Good, application-related testing Oil resistance Good, application-related testing <td< td=""><td>Amount strands (wire)</td><td>7</td></td<>	Amount strands (wire)	7
Material conductor wire Stranded copper wire, bare Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance 100 Ω ± 15 % Electrical resistance line constant wire 55 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Electrical capacity line constant (wire - wire) 52000 pF/km AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power 2 kV @ 60 s Row withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature min. (dynamic) 70 °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 Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related test	Diameter of single wires	22 AWG
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance 100 Ω ± 15 % Electrical resistance line constant wire 55 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Electrical capacity line constant (wire - wire) 52000 pF/km AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - shield) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature (min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-rela	Conductor crosssection (wire)	22 AWG
Current load capacity min. wire 4,8 A Characteristic impedance 100 Ω ± 15 % Electrical resistance line constant wire 55 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Electrical capacity line constant (wire - wire) 52000 pF/km (power) 52000 pF/km AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (ixed) 80 °C Operating temperature (ixed) 80 °C Operating temperature max. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °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 Good, application-related testing	Material conductor wire	Stranded copper wire, bare
Characteristic impedance 100 Ω ± 15 % Electrical resistance line constant wire 55 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Electrical capacity line constant (wire - wire) (power) 52000 pF/km AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - jacket) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °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 <td>Current load capacity (standard)</td> <td>to DIN VDE 0298-4</td>	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire55 Ω/km @ 20 °CNominal voltage power AC max.300 VElectrical capacity line constant (wire - wire) (power)52000 pF/kmAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)6 x Outer diameter		4,8 A
Nominal voltage power AC max.300 VElectrical capacity line constant (wire - wire) (power)52000 pF/kmAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)6 x Outer diameter	Characteristic impedance	100 Ω ± 15 %
Electrical capacity line constant (wire - wire) (power)52000 pF/kmAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)6 x Outer diameter	Electrical resistance line constant wire	55 Ω/km @ 20 °C
(power)52000 pF/KmAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)6 x Outer diameter	Nominal voltage power AC max.	300 V
Power frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing		52000 pF/km
(wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)6 x Outer diameter	AC withstand voltage power (wire - shield)	2 kV @ 60 s
Min. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)6 x Outer diameter		2 kV @ 60 s
Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °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 Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter	AC withstand voltage power (wire - wire)	2 kV @ 60 s
Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °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 Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 70 °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 Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter	Max. operating temperature (fixed)	80 °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 Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter	Operating temperature min. (dynamic)	-30 °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 (fixed) 6 x Outer diameter	Operating temperature max. (dynamic)	70 °C
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter	Flame resistance	UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2
Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (fixed) 6 x Outer diameter	Gasoline resistance	Good, application-related testing
	Oil resistance	Good, application-related testing DIN EN 60811-404
Bending radius (dynamic) 12 x Outer diameter	Bending radius (fixed)	6 x Outer diameter
	Bending radius (dynamic)	12 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: 2024-04-26

Murrelektronik bv | Noorderlaan 147-b9 | B-2030 Antwerpen | Fon +32 (0)380 868 81 | Fax | shop@murrelektronik.be | shop.murrelektronik.be