

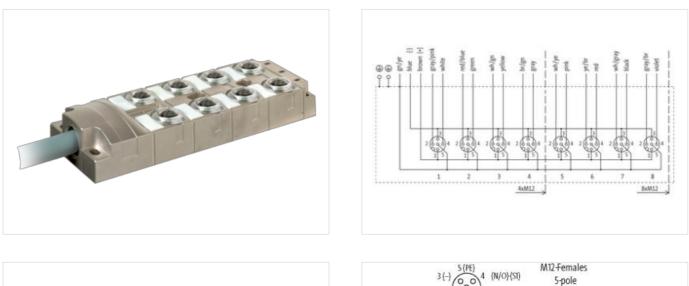
MVP-METALL, 8XM12, 5POLE, PRE-WIRED CABLE

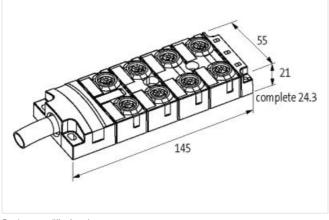
15.0m PUR 16x0,5+3x1,0, UL/CSA

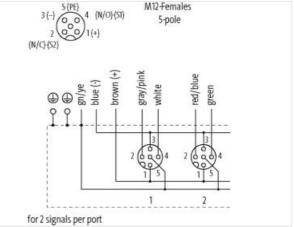
8-way, 5-pole Without LED for analog signals up to 48 V AC/DC 15.0 m Further cable lengths on request. Replaces identical product (Art.No. 27499)

Link to Product

Illustration







Product may differ from Image



Commercial data		
ECLASS-6.0	27279219	
ECLASS-6.1	27279219	
ECLASS-7.0	27279219	
ECLASS-8.0	27279219	
ECLASS-9.0	27440108	

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: 2024-05-08

Murrelektronik GmbH | Office Park 4, 4.OG/Top A.45 | 1300 Wien-Flughafen | Fon +43 1 706 45 25-0 | Fax +43 1 706 45 25-300 | shop@murrelektronik.at | shop.murrelektronik.at



ECASS-11.1 27440106 ECASS-12.0 27440106 ECASS-12.0 27440106 ECASS-12.0 27440106 ECASS-12.0 ECO20266 calons tuff number 44943793197 Paosagrup unit 1 Etectrical data I Supply Corrent operating or onduct max. Operating voltage AG max. 48 V Corrent operating or onduct max. 4A Installation Connection Max 1 Device protection Electrical Corrent operating mort max. Device protection Electrical Max 1 Device protection Electrical Corrent operating mort max. Maxtan Daving Necked Maxtan Daving Necked Maxtan Daving Schaubgewinde Environmental characteristics Climatu Corrent operating mort max. Operating temperature max. 60 °C Additional Contin Temperature max. 60 °C Operating temperature max.	ECLASS-10.1	27440108
ECA.85 12027.440.09ETM-5.0ECO.258.05Contoms tuff number86.44.250GTIN40.4827351.937Packaging unit1Electrical data [SupplyOperating values AG max.48 VCorrent operator per contact max.48 VUniting setM12 x 1Device protection [ElectricalMunding setM12 x 1Device protection [ElectricalDevice protection [ElectricalMaterial functionDevice protection [ElectricalDevice pr		
ETM 6.0 ECM02985 customs taiff number 8544290 GTN 4048732851967 Packaging und 1 Electrical data [Supply Operating voltage AC max. 48 V Operating voltage Comac. 48 V Control operating voltage or offact max. 4 A Installion [Connection Mark 1 Device protection [Electrical Device protection [Electrical Device protection [Electrical Marking and Double Cataling Nouning Nickeled Marting mather Operating tomparature min. -26 °C Operating tomparature min. -26 °		
customs tariff number 85444280 GTN 404877351987 Packaging unit 1 Electrical data [Supply Operating voltage AC max. 48 V Carrent operating per contact max. 4A Installation [Connection Mile X 1 Device protection [Electrical Device protection [Electrical Restination [Connection Mile X 1 Device protection [Electrical Machanic dista [Moterial data Casting monthal Nackeled Material housing Nackeled Mouring method Schraubgewinde Environmental characteristics [Climatic Concerting temperature max. Operating temperature max. 90 °C Cable isoffication 452 Schraubgewinde Schraubgewinde Environmental characteristics [Climatic Guination confication Operating temperature max. 90 °C Cable isoffication 452 Schraubgewinde Schraubgewinde Envinontran tranding (type 2) 1 <tr< td=""><td></td><td></td></tr<>		
GTN 404807831997 Packaging unit 1 Electrical and Supply Operating voltage AC max. 48 Y Operating voltage AC max. 48 V Corrent operating recorrect max. 4 A Installation Connection Mounting sett M12 x 1 Device proceeding lectrical Device proceeding lectrical Device proceeding lectrical Celling housing Nickaled Machanical data Mounting data Mounting method Sobraubgewinde Environmental characteristics Climatic Operating temperature max. 90 °C Additional condition tomperature grage depending on cable quality Installation Condition tomperat		
Packaging unit 1 Electrical statis [Supply Image: Comparing on packaging units and the statistical on comparing packaging units and the statistical on comparing packaging units and the statistical on comparison packaging units and the statistical on the		
Electrical data Supply Operating voltage DC max. 48 V Current operating oper contact max. 4A Insulation Connection Mil 2x 1 Device oprediction Electrical Mil 2x 1 Device oprediction Electrical Mil 2x 1 Carrent operating oper contact max. Mil 2x 1 Device oprediction Electrical Mil 2x 1 Carlen flocaling operating (Electrical Mil 2x 1 Carlen flocaling operating (Electrical Mil 2x 1 Carlen flocaling operating (Electrical Mil 2x 1 Mechanical data Material data Mil 2x 1 Carlen flocaling operating (Electrical Mil 2x 1 Mechanical data Material data Mil 2x 1 Carlen flocaling operating (Elemptical data) Mil 2x 1 Machanical data Material data Stranubgewinde Depreting temperature min. 95 °C Operating temperature max. 90 °C Additional condition temperature may 99 °C Additional con		
Operating voltage AC max. 48 V Operating voltage DC max. 48 V Current operating per contact max. 4 A Installation Connection Mourting set M12 x 1 Device protection Electrical Device protection Electrical Device protection Electrical Device protection Electrical No.		
Operating vorlage DC max. 44 V Current overaling per contact max. 4 A Installation (Connection Mounting set M12 x 1 Device protection Electrical Person (PPS, PPS, PPS, PPS, PPS, PPS, PPS, PPS		
Current operating per centext max. 4 A Installation Connection Mi2 x 1 Device protection Electrical Degree of protection (EN IEC 60529) IP65, IP67, IP68 Mechanical data Moetrial data Coating housing Nickeled Cataling housing Zinc die-casting Mechanical data Mounting data Mounting method Schraubgewinde Environmetal characteristics Climatic Environmetal characteristics Climatic Generating temperature min. -25 °C Operating temperature min. -25 °C Operating temperature max. 90 °C Additional condition temperature ranze. 90 °C Generating temperature max. 90 °C Cable Identification interpretature ranze depending on cable quality Installation Cable Cable Identification 452 Stranding 1 Stranding 1 Stranding Stranding Stranding Stranding Stranding Stranding Stranding (type 2) 12 wires counter rotating twisted Empriprice to the stranding (type 2) 12 wires counter rotating twisted Empriprice to the stranding (type 2) 12 wires counter rotating twisted Empriprice to the stranding (type 2)		
Installation Connection Mul2 x 1 Device protection Electrical Perside protection (EW EC 60829) IP65, IP67, IP68 Mechanical data Material data Mickeled IP68, IP67, IP68 Mechanical data Material data Mickeled IP61, IP61, IP61, IP61, IP61, IP61, IP61, IP67, IP68 Mechanical data Material data Mickeled IP61, I		
Munting set M12 x 1 Degree of protection Electrical Febs, P67, P68 Dechanical data Material data Febs, P67, P68 Mechanical data Material data Couling housing Nickeled Material housing Zinc die casting Material housing Mechanical data Mounting data Schraubgewinde Term (Since Casting) Mounting method Schraubgewinde Schraubgewinde Doparating temporature min. -25 °C Oporating temporature min. -25 °C Oporating temporature min. -25 °C Oporating temporature min. -25 °C Oporating temporature min. -25 °C -0 -0 Oporating temporature min. -25 °C -0	Current operating per contact max.	4 A
Device protection [Electrical IP65, IP67, IP68 Cacting housing Nickeled Cacting housing Nickeled Material housing Zino dia casting Mechanical data [Mauring data Schraubgewinde Environmental characteristics [Climatic Schraubgewinde Environmental characteristics [Climatic -25 °C Operating temperature max. 90 °C Additional condition temper	Installation Connection	
Degree of protection (EN IEC 60529) IP85, IP67, IP68 Mechanical data Material data Coading housing Nickeled Mechanical data Mouring data Zinc die-casting Mechanical data Mouring data Schraubgewinde Environmental characteristics Climatic Constitution Operating temperature min. -25 °C Operating temperature max. 90 °C Additional condition temperature may. depending on cable quality Installion I Cable Control of the schematical data Mauring data Schemating of the schematical data Mauring data Schematical data Mauring data Additional condition temperature max. 90 °C Cable identification 452 Cable Identification 452 Cable Identification 1 Stranding 7 wises around Core filler twisted Amount stranding (type 2) 1 2 Stranding (type 2) 1 2 Barding Fileece 2 Filer yes 3 3 Operating temperature max. 94 ± 5 Shore A 2 3 <td>Mounting set</td> <td>M12 x 1</td>	Mounting set	M12 x 1
Mechanical data Material data Casting housing Nickeled Material housing Zin cile-casting Mechanical data Mounting method Schraubgewinde Mounting method Schraubgewinde Environmental characteristics Climatic Operating temperature min. -25 °C Operating temperature max. 90 °C Operating condition temperature max. 90 °C Additional condition temperature max. 90 °C Operating condition temperature max. 90 °C Additional condition temperature max. 90 °C Operating condition temperature max. 90 °C Additional condition temperature max. 90 °C Operating temperature max. 90 °C Additional condition temperature max. 90 °C Operating temperature max. 90 °C Additional condition temperature max. 90 °C Operating temperature max. 90 °C Additional condition temperature max. 90 °C Additional condition temperature max. Parket Condition temperature max. Append Certificate CUBN Anount stranding or temperature max. Parket Condition temperature max. Armount stranding (type 2) 1 Eviros c	Device protection Electrical	
Coating housing Nickeled Material housing Zinc die-casting Mounting method Schraubgewinde Environmental characteristics [Climatic Coperating temperature max. 90 °C Additional condition temperature max. 90 °C Additional condition temperature max. Additional condition temperature max. 90 °C Additional condition temperature max. Dable identification 452 Additional Color Cable identification 452 Additional Color Type of Certificate cURus Amount stranding Amount stranding 1 Stranding (type 2) 1 Stranding (type 2) 12 wires counter-rotating twisted Amount stranding (type 2) 1 Stranding (type 2) 12 wires counter-rotating twisted Amount stranding (type 2) 1 Stranding (type 2) 12 wires counter-rotating twisted Amount stranding (type 2) 1 Stranding (type 2) 12 wires counter-rotating twisted Amount stranding (type 2) 1 Gene ength 231 g/m Additoral decee Amount stranding (type 2) 12 wires counter-rotating twisted	Degree of protection (EN IEC 60529)	IP65, IP67, IP68
Coating housing Nickeled Material housing Zinc die-casting Mounting method Schraubgewinde Environmental characteristics [Climatic Coperating temperature max. 90 °C Additional condition temperature max. 90 °C Additional condition temperature max. Additional condition temperature max. 90 °C Additional condition temperature max. Dable identification 452 Additional Color Cable identification 452 Additional Color Type of Certificate cURus Amount stranding Amount stranding 1 Stranding (type 2) 1 Stranding (type 2) 12 wires counter-rotating twisted Amount stranding (type 2) 1 Stranding (type 2) 12 wires counter-rotating twisted Amount stranding (type 2) 1 Stranding (type 2) 12 wires counter-rotating twisted Amount stranding (type 2) 1 Stranding (type 2) 12 wires counter-rotating twisted Amount stranding (type 2) 1 Gene ength 231 g/m Additoral decee Amount stranding (type 2) 12 wires counter-rotating twisted		
Material housing Zinc die-casting Mechnical data Mounting data Mounting method Schraubgewinde Environmental characteristics Climatic Coperating temperature min. 25 °C Operating temperature max. 90 °C Additional condition temperature range depending on cable quality Installation Cable Cable identification 452 Cable identification 452 Jacket Color gray Type of Certificate CURus Amount stranding 1 Stranding 7 wires around Core filler twisted Amount stranding (type 2) 1 2 wires counter-rotating twisted Banding Fleace Filler yes wire arrangement gray-pink. brown-green, weller, gray, blue, brown-gray, black, gray-while, red, brown-gray, black, gray-while, red, brown-green, yellow, pink, yellow-white, green, red-blue, while, forown-gray, black, gray-while, red, brown-green, yellow, pink, yellow-white, green, red-blue, while, forown-gray, black, gray-while, red, brown-green yellow, pink, yellow-white, green, red-blue, while, forown-gray, black, gray-while, red, brown-green yellow, pink, yellow-white, green, red-blue, while, forown-gray, black, gray-while, red, brown-green yellow, pink, yellow-white, green, red-blue, while, forown-gray, black, gray-while, red, brown-green yellow, tolet) <		Niekolod
Mechanical data Mounting data Mounting method Schraubgewinde Environmental characteristics Climatic Operating temperature min. -25 °C Operating temperature man. 90 °C Additional condition temperature range depending on cable quality Installation Cable Cable identification 452 Cable identification 452 Jacket Color gray Type of Cartificate CURus Cable identification 452 Amount stranding 1 Stranding (type 2) 1 Stranding (type 2) 1 Stranding (type 2) 1 1 Stranding (type 2) 1 Stranding (type 2) 1 Wrie arrangement yes gray-pink, brown-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown-yellow, violat) Cable weigth 231 g/m Material jacket PUR Shore Aaf-free, camium-free, CFC-free, halogen-free South diameter (jacket) 11,5 mm Tolerande (gacket) 14.5 Shore A South diameter (jacket) 14.5 Shore A South diameter (jacket) 14.5 Shore A South diameter (jacket) 15 % South diameter (jacket)		
Mounting method Schraubgewinde Environmental characteristics Climatic 25 °C Operating temperature min. -25 °C Additional condition temperature ranze depending on cable quality Installation 452 Zable identification 452 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 7 wires around Core filler twisted Amount stranding (type 2) 1 Stranding (type 2) 1 vires around core filler twisted Banding Fleece Filler yes wire arrangement gray-pink, brow-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown-green, yellow, pink, yellow,		
Environmental characteristics Climatic Operating temperature min. -25 °C Operating temperature max. 90 °C Additional condition temperature range depending on cable quality Installation Cable Cable identification Cable identification 452 Jacket Color gray Type of Certificate oURus Amount stranding 1 Stranding 7 wires around Core filler twisted Amount stranding (type 2) 1 Stranding Fileece Filler yes wire arrangement gray-pink, brown-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown-greay, black, gray-white, free Filer yes wire arrangement gray-file, gray, blue, brown, green-, red-blue, white, (brown-gray, black, gray-white, red, brown-greay, black, gray-	Mechanical data Mounting data	
Operating temperature min. -25 °C Operating temperature max. 90 °C Additional condition temperature range depending on cable quality Installation Cable	Mounting method	Schraubgewinde
Operating temperature max. 90 °C Additional condition temperature range depending on cable quality Installation Cable Cable identification Cable identification 452 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding (type 2) 1 Stranding (type 2) 1 2 wires counter-rotating twisted Banding Fleece Filler yes wire arrangement gray-pink, brown-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown- yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet) Cable weigth 231 g/m Material jacket PUR Shore hardness jacket 94 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free Outer-diameter (jacket) 11,5 mm Tolerance outer diameter (sheath) ± 5 % Material avire insulation 1,6 mm Outer diameter loaneator ± 5 % Shore hardness wire insulation 1,6 mm Outer diameter loaneator 5 ± 5	Environmental characteristics Climatic	
Additional condition temperature range depending on cable quality Installation Cable Cable identification Gable identification 452 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 7 wires around Core filler twisted Amount stranding (type 2) 1 Stranding (type 2) 12 wires counter-rotating twisted Banding Fleece Filier yes wire arrangement gray, blue, brown-green, yellow, green, red-blue, white, (brown-gray, black, gray-white, red, brown- yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet) Cable weigth 231 g/m Material jacket PUR Shore hardness jacket 94 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cAdmium-free, CFC-free, halogen-free Outer diameter (sheath) ± 5 % Material wire insulation TPE-E Amount wires 16 Outer diameter (sheath) ± 5 % Material wire insulation 1.6 mm Outer diameter insulation 1.6 mm Outer diameter insulation 1.6 mm <tr< td=""><td>Operating temperature min.</td><td>-25 °C</td></tr<>	Operating temperature min.	-25 °C
Installation Cable Cable identification 452 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 7 wires around Core filler twisted Amount stranding (type 2) 1 Stranding (type 2) 1 2 wires counter-rotating twisted Banding Fleece Filler yes wire arrangement gray-pink, brown-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown- yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet) Cable weigth 231 g/m Material jacket PUR Shore hardness jacket 94 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free Outer-diameter (jacket) 11,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation TPE-E Amount wires 16 Outer diameter insulation 1,6 mm Outer diameter insulation 5 ± 5 Shore D Ingredient treeness wire insulation 5 ± 5 Shore D Ingredient	Operating temperature max.	0° 00
Cable identification452Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding7 wires around Core filler twistedAmount stranding (type 2)1Stranding (type 2)12 wires counter-rotating twistedBandingFleeceFilleryeswire arrangementgray-pink, brown-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown- yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet)Cable weigth231 g/mMaterial jacketPURShore hardness jacket94 ± 5 Shore AFreedom from ingredients (jacket)11,5 mmTolerance outer diameter (scelt)11,5 mmTolerance outer diameter (scelt)1,6 mmOuter diameter insulationTPE-EAmount wires16Outer diameter insulation55 ± 5 Shore DIngredient fereness wire insulation55 ± 5 Shore DIngredient treness wire insulation16 %Shore hardness wire insulation16 %Outer diameter insulation1,6 mmOuter diameter insulation55 ± 5 Shore DIngredient treness wire insulation16 %Shore hardness wire insulation16 %Shore hardness wire insulation16 %Conductor crosssection (wire)0,5 mm²	Additional condition temperature range	depending on cable quality
Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 7 wires around Core filler twisted Amount stranding (type 2) 1 Stranding (type 2) 1 secce Filler yes wire arrangement gray-pink, brown-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown- yellow, wink, yellow-white, gray, blue, brown, green-yellow, violet) Cable weigth 231 g/m Material jacket PUR Shore hardness jacket 94 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free Outer diameter (jacket) 11,5 mm Tolerance outer diameter (sheath) ± 5 % Material wires 16 Outer diameter insulation 1,6 mm Outer diameter tolerance core insulation 5 ± 5 Shore D Ingredient freeness wire insulation 15 ± 5 Shore D Ingredient freeness wire insulation 16 ± 5 ± 5 Shore D Ingredient freeness wire insulation 16 ± 5 ± 5 Shore D Ingredient freeness wire insulation 16 ± 5 ± 5 Shore D Ingredient freeness wire insulation 16 ± 5 ±	Installation Cable	
Type of Certificate cURus Amount stranding 1 Stranding 7 wires around Core filler twisted Amount stranding (type 2) 1 Stranding (type 2) 12 wires counter-rotating twisted Banding Fleece Filler yes wire arrangement gray-pink, brown-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown- yellow, pink, yellow-white, gray, blue, brown; green-yellow, violet) Cable weigth 231 g/m Material jacket PUR Shore hardness jacket 94 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free Outer diameter (jacket) 11,5 mm Tolerance outer dameter (sheath) ± 5 % Material wire insulation TPE-E Amount wires 16 Outer diameter tolerance core insulation 1,6 mm Outer diameter tolerance core insulation 5 ± 5 Shore D Ingredient freeness wire insulation lead-free, cFC-free, halogen-free, LABS-free Amount wires 64 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,5 mm² <	Cable identification	452
Amount stranding1Stranding7 wires around Core filler twistedAmount stranding (type 2)1Stranding (type 2)12 wires counter-rotating twistedBandingFleeceFilleryeswire arrangementgray-pink, brown-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet)Cable weigth231 g/mMaterial jacketPURShore hardness jacket94 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)11.5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationTPE-EAmount wires16Outer diameter tolerance core insulation $\pm 5 \%$ Shore hardness wire insulation 55 ± 5 Shore DIngredient freeness wire insulation 55 ± 5 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeOuter diameter tolerance core insulation 55 ± 5 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-free, LABS-freeAmount strands (wire)64Diameter of single wires0,1 mmConductor crosssection (wire)0,5 mm²	Jacket Color	gray
Stranding 7 wires around Core filler twisted Amount stranding (type 2) 1 Stranding (type 2) 12 wires counter-rotating twisted Banding Fleece Filler yes wire arrangement gray-pink, brown-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown- yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet) Cable weigth 231 g/m Material jacket PUR Shore hardness jacket 94 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free Outer-diameter (jacket) 11,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation TPE-E Amount wires 16 Outer diameter insulation 1,6 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation 164 Diameter of single wires <	Type of Certificate	cURus
Amount stranding (type 2)1Stranding (type 2)12 wires counter-rotating twistedBandingFleeceFilleryeswire arrangementgray-pink, brown-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet)Cable weigth231 g/mMaterial jacketPURShore hardness jacket94 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)11,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationTPE-EAmount wires16Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 5 Shore DIngredient freeness wire insulation55 ± 5 Shore DIngredient freeness wire insulationkead-free, CFC-free, halogen-free, LABS-freeAmount strands (wire)64Diameter of single wires0,1 mmConductor crosssection (wire)0,5 mm²	Amount stranding	1
Stranding (type 2) 12 wires counter-rotating twisted Banding Fleece Filler yes wire arrangement gray-pink, brown-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown- yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet) Cable weigth 231 g/m Material jacket PUR Shore hardness jacket 94 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free Outer-diameter (jacket) 11,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation TPE-E Amount wires 16 Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation 16. Outer diameter frees wire insulation 56 ± 5 Shore D Ingredient freeness wire insulation 64 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,5 mm²	Stranding	7 wires around Core filler twisted
Banding Fleece Filler yes wire arrangement gray-pink, brown-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown- yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet) Cable weigth 231 g/m Material jacket PUR Shore hardness jacket 94 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free Outer-diameter (jacket) 11,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation TPE-E Amount wires 16 Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free, LABS-free Amount strands (wire) 64 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,5 mm²	Amount stranding (type 2)	1
Filleryeswire arrangementgray-pink, brown-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown- yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet)Cable weigth231 g/mMaterial jacketPURShore hardness jacket94 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)11,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationTPE-EAmount wires16Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 5 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeMuterial wire insulation1,6 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 5 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-free, silicone-free, LABS-freeAmount strands (wire)64Diameter of single wires0,1 mmConductor crosssection (wire)0,5 mm²	Stranding (type 2)	12 wires counter-rotating twisted
wire arrangementgray-pink, brown-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown- yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet)Cable weigth231 g/mMaterial jacketPURShore hardness jacket94 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)11,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationTPE-EAmount wires16Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 5 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-free, LABS-freeAmount strands (wire)64Diameter of single wires0,1 mmConductor crosssection (wire)0,5 mm²	Banding	Fleece
wile analyticyellow, pink, yellow-white, gray, blue, brown, green-yellow, violet)Cable weigth231 g/mMaterial jacketPURShore hardness jacket94 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)11,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationTPE-EAmount wires16Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 5 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-free, LABS-freeAmount strands (wire)64Diameter of single wires0,1 mmConductor crosssection (wire)0,5 mm²	Filler	yes
Material jacketPURShore hardness jacket94 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)11,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationTPE-EAmount wires16Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation± 5 %Guter diameter tolerance core insulation± 5 %Shore hardness wire insulation± 5 %Shore hardness wire insulation± 5 %Shore hardness wire insulation55 ± 5 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-free, silicone-free, LABS-freeAmount strands (wire)64Diameter of single wires0,1 mmConductor crosssection (wire)0,5 mm²	wire arrangement	
Shore hardness jacket94 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)11,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationTPE-EAmount wires16Outer diameter tolerance core insulation± 5 %Quter diameter tolerance core insulation± 5 %Shore hardness wire insulation± 5 %Ingredient freeness wire insulation± 5 %Shore hardness wire insulation55 ± 5 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-free, silicone-free, LABS-freeAmount strands (wire)64Diameter of single wires0,1 mmConductor crosssection (wire)0,5 mm²	Cable weigth	231 g/m
Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)11,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationTPE-EAmount wires16Outer diameter tolerance core insulation1,6 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 5 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-free, LABS-freeAmount strands (wire)64Diameter of single wires0,1 mmConductor crosssection (wire)0,5 mm²	Material jacket	PUR
Outer-diameter (jacket)11,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationTPE-EAmount wires16Outer diameter insulation1,6 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 5 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-free, silicone-free, LABS-freeAmount strands (wire)64Diameter of single wires0,1 mmConductor crosssection (wire)0,5 mm²	Shore hardness jacket	94 ± 5 Shore A
Tolerance outer diameter (sheath)± 5 %Material wire insulationTPE-EAmount wires16Outer diameter insulation1,6 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 5 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-free, silicone-free, LABS-freeAmount strands (wire)64Diameter of single wires0,1 mmConductor crosssection (wire)0,5 mm²	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free
Material wire insulationTPE-EAmount wires16Outer diameter insulation1,6 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 5 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-free, silicone-free, LABS-freeAmount strands (wire)64Diameter of single wires0,1 mmConductor crosssection (wire)0,5 mm²	Outer-diameter (jacket)	11,5 mm
Amount wires16Outer diameter insulation1,6 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 5 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-free, silicone-free, LABS-freeAmount strands (wire)64Diameter of single wires0,1 mmConductor crosssection (wire)0,5 mm²	Tolerance outer diameter (sheath)	± 5 %
Outer diameter insulation1,6 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 5 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-free, silicone-free, LABS-freeAmount strands (wire)64Diameter of single wires0,1 mmConductor crosssection (wire)0,5 mm²	Material wire insulation	TPE-E
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free, silicone-free, LABS-free Amount strands (wire) 64 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,5 mm²	Amount wires	16
Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free, silicone-free, LABS-free Amount strands (wire) 64 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,5 mm²	Outer diameter insulation	1,6 mm
Ingredient freeness wire insulation lead-free, CFC-free, halogen-free, silicone-free, LABS-free Amount strands (wire) 64 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,5 mm²	Outer diameter tolerance core insulation	± 5 %
Amount strands (wire) 64 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,5 mm²	Shore hardness wire insulation	55 ± 5 Shore D
Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,5 mm²	Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free, silicone-free, LABS-free
Conductor crosssection (wire) 0,5 mm ²	Amount strands (wire)	64
	Diameter of single wires	0,1 mm
Traversing distance (C-track)5 m @ 25 °C	Conductor crosssection (wire)	
	Traversing distance (C-track)	5 m @ 25 °C

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-08

Murrelektronik GmbH | Office Park 4, 4.OG/Top A.45 | 1300 Wien-Flughafen | Fon +43 1 706 45 25-0 | Fax +43 1 706 45 25-300 | shop@murrelektronik.at | shop.murrelektronik.at



Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Material wire insulation (Data)	TPE-E
Outer diameter wire insulation (Data)	2,1 mm
Tolerance outer diameter wire insulation (data)	±5%
Shore hardness wire insulation (Data)	55 ± 5 Shore D
Ingredient freeness wire insulation (Data)	lead-free, halogen-free, silicone-free, LABS-free
Amount wires (Data)	3
Amount strands wire (Data)	128
Diameter of single wires (Data)	0,1 mm
Conductor crosssection wire (Data)	1 mm ²
Material conductor wire (Data)	Stranded copper wire, bare
Wire conductor type (Data)	strand class 6
Max. rated voltage (conductor - conductor)	300 V
Max. rated voltage (conductor - ground)	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	5,9 A
Current load capacity min. Wire (Data)	15 A
Electrical resistance line constant wire	39 Ω/km @ 20 °C
Electrical resistance coating wire (Data)	20 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)	-40 °C
Max. operating temperature (fixed)	90 °C
Operating temperature min. (dynamic)	-20 °C
Operating temperature max. (dynamic)	90 °C
Flame resistance	UL 1581 § 1100 FT2 IEC 60332-2-2 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 (installation)	x Outer diameter
Bending radius (fixed)	8 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	5 Mio. @ 25 °C
Connection type 2	
Family construction form	free cable end
No. of poles	16
Family construction form	M12
Gender	female
Color contact carrier	black
Coding	A
No. of poles	5
PIN 1	+
PIN 2	NC S 2
PIN 3	-
PIN 4	NO S 1
PIN 5	PE

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: 2024-05-08

Murrelektronik GmbH | Office Park 4, 4.OG/Top A.45 | 1300 Wien-Flughafen | Fon +43 1 706 45 25-0 | Fax +43 1 706 45 25-300 | shop@murrelektronik.at | shop.murrelektronik.at