

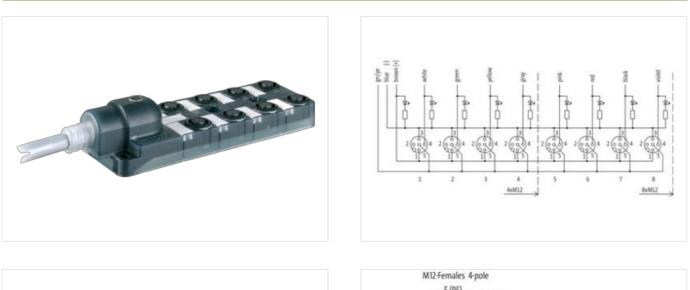
EXACT12, 8XM12, 4 POLE MOULDED CABLE

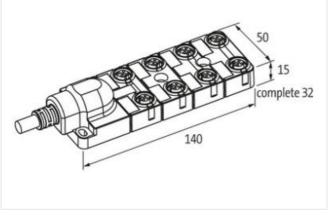
5.0m PUR 8x0.5+3x1.0, UL/CSA

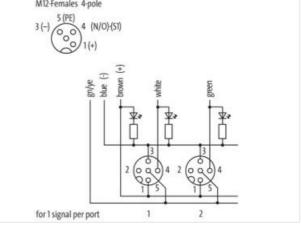
8-way, 4-pole Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

Link to Product

Illustration







Product may differ from Image



Commercial data		
ECLASS-6.0	27143423	
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: 2024-05-05

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



ECLASS 1:1 27:40108 ECLASS 1:2.0 27:40108 ECLASS 1:2.0 27:40108 ECLASS 1:2.0 27:40108 ECLASS 1:2.0 ECLOSS 2:00 Package unt 1 ECLASS 1:2.0 ECLASS 3:00:00 Package unt 1 Encreted data [Suppi) Concet depending on conted max. Operating voltage DC 24 V Concet depending on conted max. 4.A Exclass 1:00 Encotechant State 1:00 Device protection [Sectors] Polics Protechant State 1:00 Device protection [Sectors] Plane related mt Mechanical data [Metrial data Mechanical data [Sector 1:00 Mechanical data [Sector 2:00 Plane related mt Mechanical data [Sector 2:00	ECLASS-10.1	27440108
ECLASS 13 022440108ETMA-5.0EC002988automs tariff under8544420GTN414857300580Packang unt1Electrical data I SupplyCorraing voltage DC24 VCurrent operating per contact max.4 AInstallation I Connection1Bestree Development of ElectricalDevice protection [Electrical165.187Device protection [Electrical165.187Device protection [Electrical169.187Device protection [Electrical169.187Mechanical data [Material data169.187Mechanical data [Material data169.187Mechanical data [Material data20.107Corraing temperature min.20.107Corraing temperature min.70.107Corraing temperature min.70.107Corraing temperature min.20.107Corraing temperature min.20.107Stratificator (Cable179.007Stratificator (Cable)179.007Stratificator (Cable)100 mmStratificator min. <td></td> <td></td>		
ETIMA.0. ECON258S austoms tariff number 8544290 GTN 404873203660 Packaging unit 1 Electrical data i Supply Corraling voltage DC 24 V Corraling voltage DC 105 × 10 Device protection [Electrical Device protection [Electrical Device protection [Modia Haine retardant Mechanical data [Mouring data Pasito Mechanical data [Mouring data Voltage and protection [Electrical Mounting method Storbaugeoninde Evotomental characteristics [Climatic Climatic Colesting Imperature main. -20 ° C Codesting Imperature main.	ECLASS-12.0	27440108
GTN 4048579306960 Packaging unit 1 Electrical dal [Supply Comment operating per content max. Carrent operating per content max. 4 A Installation [Concention Mounting set Mounting set M12 x 1 Device protection [Electrical Device protection [Motia Device protection [Motia Fame relatance Material housing Pash Variant operating method Schnabgewinde Environmental characteristics [Climatic Commention Operating temperature min. 20 °C Cable colon gray Type of Certificals culters wethold Anount transdring	ETIM-5.0	EC002585
Packaging unit 1 Electrical data [Suppiy Current operating op CO 24 V Current operating per contact max. 4 A Installation [Connection] Mouning set M12 x 1 Device protection [Electrical] Device protection [K ME Co0529) IP65. IP67 Device protection [Media] Ham resistance fame restandant Mechanical data [Material data] Fame restandant Mechanical data [Material data] Fame restance Mouning method Schraubgewinde Environmental characteristics [Climatic Operating temperature max. Operating temperature max. 70 °C Operating temperature max. 70 °C Addition controls temperature max. 70 °C Addition for temperature max. 70 °C Cable destification 447 Jacket Colar gray Type of Certification 147 Jacket Colar gray Type of Certification 1100000000000000000000000000000000000	customs tariff number	85444290
Electrical data Supply Operating per contact max. 4 A Current operating per contact max. 4 A Istallation Connection Istallation Connection Electrical Device protection Electrical Device protection Electrical Device protection Media Imme retardant Berlies protection Media Imme retardant Mechanical data Material data Marce max. Mechanical data Mounting data Schraubgewinde Person endersite (STINE) Device protection Media Schraubgewinde Envice max. Mounting method Schraubgewinde Enviconmental characteristics Climatic Schraubgewinde Constal protection Media Schraubgewinde Enviconmental characteristics Climatic Schraubgewinde Constal protection Media Schraubgewinde Enviconmental characteristics Climatic Schraubgewinde Schraubgewinde Schraubgewinde Enviconmental characteristics Climatic Schraubgewinde Schraubgewinde Schraubgewinde Schraubgewinde Schraubgewinde Schraubgewinde Schraubgewinde	GTIN	4048879308960
Operating voltage DC 24 V Current operating per contact max. 4 A Installation Connection Mouning set Mouning set M12 x 1 Device protection Electrical PPS, IPS7 Device protection Modia Imme restatact Fame restatacton fame restatacton Mechanical data Material data Material housing Mechanical data Material data Material housing Mechanical data Material data Schraubgewinde Environmental characteristics Climatic Concommental characteristics Climatic Operating wolf wolf wolf wolf wolf wolf wolf wolf	Packaging unit	1
Operating voltage DC 24 V Current operating per contact max. 4 A Installation Connection Mouning set Mouning set M12 x 1 Device protection Electrical PPS, IPS7 Device protection Modia Imme restatact Fame restatacton fame restatacton Mechanical data Material data Material housing Mechanical data Material data Material housing Mechanical data Material data Schraubgewinde Environmental characteristics Climatic Concommental characteristics Climatic Operating wolf wolf wolf wolf wolf wolf wolf wolf	Electrical data Supply	
Current operating per contact max. 4 A Installation Connection Installation Connection Median Marce Part 2000 PR65, PR7 Device preciscion Electrical Degice of protection Media Image: enablishing of protection Median Marce Part 2000 PR65, PR7 Device preciscion Median Marce Part 2000 PR65, PR7 Device protection Median Image: enablishing Plastic Material Part 2000 PR65, PR7 Material Doubling Plastic Material Part 2000 PR65, PR7 Munning method Schraubgewinde Environmethal Characteristics Climatic Coperating temperature max. 70 °C Coperating temperature max. Operating temperature max. 70 °C Coperating temperature max. Additional condition temperature range depending on cable quality Installation CAble Color gray Type of Conflictation 447 Jacket Color gray Type of Conflictation max. 51 mm		24.14
Instilution Connection Mouring set M12 x 1 Device protection Electrical Engree of protection (EN EC 50629) P66, IP67 Device protection (EM EC 50629) P66, IP67 Engree of protection (EM EC 50629) Pasic Madrial housing Game retardant Machanical data [Material data Material housing Pasic Madrial housing method Schraubgewinde Environmental characteristics Cimati Operating temperature max. 70 °C Operating temperature max. 70 °C Operating temperature max. 70 °C Additional condition temperature max. 70 °C Operating temperature max. 70 °C Additional condition temperature max. 70 °C Operating temperature max. 70 °C Additional condition temperature max. 70 °C Operating temperature max. 70 °C Additional condition temperature max. 70 °C Operating temperature max. 70 °C Additional condition temperature max. 70 °C Immedia data function Immedia data function Stranding temperature max. 70 °C Immedia data function Immedia data funcon Stranding (type 2)		
Mounting set M12 x 1 Degree or protection I Electrical IP65, IP67 Device protection I Media IP65, IP67 Device protection I Media Immo restance Immo restance fiame netardant Material Asta I Material Asta Immo restance Material Asta I Material Asta Plastic Material Asta I Mounting attain Nourting method Mounting method Schraubgewinde Environmental characteristics I Climatic Operating temperature min. - 20 °C Operating temperature max. Additional condition temperature range depending on cable quality Installation I Cable Cable dentification Afford Carl gray Type of Centificate OURus Amount stranding 1 Stranding factor max. 51 mm Stranding factor max. 51 mm <td></td> <td>47</td>		47
Device protection Electrical Degree of protection Media Term resistance Ram relatidant Mechanical data Metrial data Material housing Plastic Material housing Plastic Material housing method Schwabgewinde Environmetal characteristics Climatic Comparing temperature min. - 20 °C Operating temperature max. Operating temperature max. 70 °C Addinonal condition temperature ranze depending on cable quality Installation Cable Cable identification Jacket Color gray Type of Cartificate cuFluse Amount stranding 1 Stranding factor min. 51 mm Amount stranding 1 Stranding factor min. 51 mm Amount stranding (type 2) 100 mm Stranding factor min. 51 mm Stranding factor min. (type 2) 100 mm Stranding factor min. (type 2) 100 mm Stranding factor min. (type 2) 100 mm Filling yee Addia spin	Installation Connection	
Degree of protection (EN IEC 60529) IP65, IP67 Device protection Media Itame retardant Mechanical data Material data Itame retardant Mechanical data Material busing Plastic Mechanical data Mounting data Itame retardant Mounting method Schraubgewinde Environmental characteristics Climatic 20 °C Operating temperature max. 70 °C Addition I cobie Cobie degriding on cable quality Installation Cable Cable identification Cable identification 447 Jacket Color gray Type of Cartificate cUPus Amount stranding 1 Stranding 2 wices with Filler twisted Stranding 1 with stranding combination counter-rotating twisted Stranding (type 2) 1 00 mm Filler yea Weak PUR Stranding factor mix. 51 mm Stranding factor mix. <td>Mounting set</td> <td>M12 x 1</td>	Mounting set	M12 x 1
Device protection Media Fiam resistance fiame retardant Mechanical data Material data Plastic Mechanical data Mouning data Plastic Mounting method Schraubgewinde Environmental characteristics Climatic Concommental characteristics Climatic Operating temperature min. -20 °C Operating temperature max. 70 °C Additional condition temperature may. depending on cable quality Installaton Cable Cable identification Cable identification 447 Jacket Color gray Type of Conflicate CURus Amount stranding 1 Stranding factor min. 51 mm Stranding factor min. 51 mm Stranding (type 2) 10 mm Stranding (type 2) 100 mm Filler yes Weire around Stranding combination counter-rotating twisted Stranding factor max. 51 mm Stranding (type 2) 100 mm Filler yes Weire around Stranding combination counter-rotating twisted	Device protection Electrical	
Filme resistance flame retardant Material data Material data Material housing Plastic Material housing Plastic Material housing Schraubgewinde Environmental characteristics Climatic Common schraubgewinde Operating temperature min. -20 °C Operating temperature max. 70 °C Additional condition temperature max. 70 °C Additional condition temperature max. 70 °C Cable identification 447 Jacket Color gray Type of Conflicate CURus Amount stranding 1 Stranding factor min. 51 mm Stranding factor min. 51 mm Stranding factor min. 51 mm Stranding factor min. 100 mm Stranding factor min. 100 mm Stranding factor min. 100 mm Stranding factor min. 146.3 grm Material packt PUR Stranding factor max. (type 2) 100 mm Filer yets Wire arrangement white, yellow	Degree of protection (EN IEC 60529)	IP65, IP67
Material housing Plastic Material housing Plastic Mechanical data Mounting data Mounting method Schraubgewinde Environmental characteristics Climatic Environmental characteristics Climatic 20 °C Operating temperature max. 70 °C Additional condition temperature may. depending on cable quality Installation Cable Cable identification 447 Jacket Color gray Type of Certificate Amount stranding 1 Stranding factor max. 51 mm Anoment stranding (type 2) 1 Stranding fuctor max. 51 mm Anoment stranding (type 2) 9 wires around Stranding combination counter-rotating twisted Stranding fuctor mix. (type 2) 100 mm Filler yes wires around Stranding combination counter-rotating twisted Stranding factor max. (type 2) Stranding factor mix. (type 2) 100 mm Filler yes wires around Stranding combination counter-rotating twisted Stranding factor mix. (type 2) 100 mm Filler	Device protection Media	
Mechanical data Material data Material housing Plastic Mechanical data Mounting data Mounting method Schraubgewinde Environmental characteristics Climatic 20 °C Operating temperature max. 70 °C Operating temperature max. 70 °C Additional condition temperature may. depending on cable quality Installation Cable Cable identification 447 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding quart Provide Prove Provide Prove Provide Provide Provide Provide Provide Provide	Flame resistance	flame retardant
Material housing Plastic Mechanical data Mounting data Schraubgewinde Environmental characteristics Cilmatic Construction Operating temperature min. -20 °C Operating temperature max. 70 °C Additional condition temperature max. 70 °C Additional condition temperature max. 70 °C Cable identification 447 Jacket Color gray Type of Contificate cURus Amount stranding 1 Stranding 2 wires with Filter twisted Stranding factor max. 51 mm Amount stranding (type 2) 1 Stranding factor max. 51 mm Stranding fupo P2) 1 Stranding factor max. 51 mm Stranding factor max. 51 mm Stranding fupo P2) 100 mm Stranding factor max. (type 2) 100 mm Filler yes wire arrangement white, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet) Cable weight 146.3 g/m Material jacket PUR <td></td> <td></td>		
Mechanical data Mounting data Mounting method Schraubgewinde Environmental characteristics Climatic Operating temperature min. -20 °C Operating temperature max. 70 °C Additional condition temperature max. 70 °C Cable identification 447 Jacket Color gray Type of Certificate cUBus Amount stranding 1 Stranding factor min. 51 mm Stranding factor max. 51 mm Stranding (type 2) 9 wires around Stranding combination counter-rotating twisted Stranding factor max. 51 mm Stranding factor max. 91 mom Stranding factor max. 92 mol 00 mm Stranding factor max. 92 mol 00 mm Stranding factor max. 92 mol 00 mm<		Plastic
Mounting method Schraubgewinde Environmental characteristics Climatic C Operating temperature min. -20 °C Operating temperature max. 70 °C Additional condition temperature range depending on cable quality Installation Cable Cable identification 447 Jacket Color gray Type of Configate cUFus Amount stranding 1 Stranding factor max. 51 mm Stranding factor max. 51 mm Amount stranding (type 2) 9 wires around Stranding combination counter-rotating twisted Stranding factor max. 51 mm Amount stranding (type 2) 9 wires around Stranding combination counter-rotating twisted Stranding factor max. (type 2) 100 mm Stranding factor max. (type 2) 100 mm Filler yes wire arrangement white, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet) Cable weigh 146.3 g/m Aterial jacket PUR Shore hardness jacket 55 ± 5 Shore A Freedom from ingre	-	Plastic
Environmental characteristics Climatic Operating temperature min. -20 °C Operating temperature max. 70 °C Additional condition temperature range depending on cable quality Installation Cable Cable identification State identification 447 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding factor min. 51 mm Stranding factor max. 61 mm Amount stranding (type 2) 1 Stranding factor max. 51 mm Amount stranding (type 2) 9 wires around Stranding combination counter-rotating twisted Stranding factor max. 100 mm Stranding factor max. (type 2) 100 mm Filler yes wire arangement white, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet) Cable weigh 146.3 g/m Material jacket PUR Shore hadross jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free Outer di	Mechanical data Mounting data	
Operating temperature min. -20 °C Operating temperature max. 70 °C Additional condition temperature maye depending on cable quality Installation Cable Cable identification 447 Jacket Color gray Type of Certificate cuRus Amount stranding 1 Stranding factor min. 51 mm Stranding factor max. 51 mm Amount stranding (type 2) 1 Stranding (type 2) 9 wires around Stranding combination counter-rotating twisted Stranding factor max. 51 mm Amount stranding (type 2) 9 wires around Stranding combination counter-rotating twisted Stranding factor max. (type 2) 100 mm Filler yes wire arrangement white, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet) Cabe veigth 146.3 g/m Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) 19.4 mm Tolerance outer diameter (skeath) ± 5 % Material jackel	Mounting method	Schraubgewinde
Operating temperature max. 70 °C Additional condition temperature range depending on cable quality Installation Cable Cable identification Cable identification 447 Jacket Color gray Type of Carlifocate cURus Amount stranding 1 Stranding factor min. 51 mm Stranding factor max. 51 mm Amount stranding (type 2) 1 Stranding factor max. 51 mm Amount stranding (type 2) 9 wires around Stranding combination counter-rotating twisted Stranding factor max. (type 2) Mount stranding (type 2) 100 mm Filler yes wrire arrangement white, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet) Cable weigth 146,3 g/m Material jacket PUR Shore hardness jacket 85 ± 5 Shore A <	Environmental characteristics Climatic	
Additional condition temperature range depending on cable quality Installation Cable Cable identification 447 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 2 wires with Filler twisted Stranding factor min. 51 mm Stranding factor max. 51 nm Amount stranding (type 2) 1 Stranding factor max. 51 nm Amount stranding (type 2) 9 wires around Stranding combination counter-rotating twisted Stranding factor min. (type 2) 100 mm Stranding factor max. (type 2) 100 mm Filler yes wire arrangement white, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet) Cable weigh 146.3 g/m Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free Outer diameter (sheath) ± 5 % Material wire insulation TPE-E Amount wires 8 Outer diameter insulation 1.8 mm Outer diameter insulation 1.8 mm Outer diameter insulation 1.5 % Shore hardness w	Operating temperature min.	-20 °C
Installation CableCable identification447Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding2 wires with Filler twistedStranding factor min.51 mmStranding factor max.51 mmAmount stranding (type 2)1Stranding (type 2)9 wires around Stranding combination counter-rotating twistedStranding tactor min.10 mmStranding tactor min. (type 2)100 mmStranding factor max. (type 2)100 mmFilleryeswire arrangementwhite, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet)Cable weigth146,3 g/mMaterial jacktPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, LABS-freeOuter-diameter (jacket)9.4 mmTolerance outer diameter (sheath)± 5 %Material wire insulation1,8 mmOuter diameter insulation1,5 %Shore hardness wire	Operating temperature max.	70 °C
Cable identification447Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding factor min.51 mmStranding factor max.51 mmAmount stranding (type 2)1Stranding factor max.51 mmAmount stranding (type 2)9 wires around Stranding combination counter-rotating twistedStranding factor max.51 mmAmount stranding (type 2)9 wires around Stranding combination counter-rotating twistedStranding factor max.9 wires around stranding combinationCable weigth146,3 g/mMaterial jacketPURShore hardness jacket85 t S Shore ATolerance outer diamet	Additional condition temperature range	depending on cable quality
Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding factor min.51 mmStranding factor max.51 mmAmount stranding (type 2)1Stranding factor max.51 mmAmount stranding (type 2)9 wires around Stranding combination counter-rotating twistedStranding factor max.100 mmStranding factor max.190 mmFilleryeswire arrangementwhite, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet)Cable weigth146.3 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-freeOuter-diameter (jacket)9.4 mmTolerance outer diameter (sheath)± 5 %Material wire insulationTPE-EAmount wires8Outer diameter insulation1.8 mmOuter diameter insulation1.8 mmOuter diameter insulation55 ± 3 Shore DIngredient folerance core insulation55 ± 3 Shore DIngredient freeness wire insulation1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free	Installation Cable	
Type of CertificatecLRusAmount stranding1Stranding2 wires with Filler twistedStranding factor min.51 mmStranding factor max.51 mmAmount stranding (type 2)1Amount stranding (type 2)9 wires around Stranding combination counter-rotating twistedStranding factor min. (type 2)100 mmStranding factor max. (type 2)100 mmStranding factor max. (type 2)100 mmFilleryeswire arrangementwhite, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet)Cable weigth146.3 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-freeOuter-diameter (jacket)9.4 mmTolerance outer diameter (sheath)± 5 %Material wire insulationTPE-EAmount wires8Outer diameter fuelerance core insulation1.8 mmOuter diameter fuelerance core insulation5 ± 3 Shore DIngredient freeness wire insulation1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free	Cable identification	447
Type of CertificatecURusAmount stranding1Stranding2 wires with Filler twistedStranding factor min.51 mmStranding factor max.51 mmAmount stranding (type 2)1Stranding (type 2)9 wires around Stranding combination counter-rotating twistedStranding factor min. (type 2)9 wires around Stranding combination counter-rotating twistedStranding factor min. (type 2)100 mmStranding factor max. (type 2)100 mmFilleryeswire arrangementwhite, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet)Cable weigth146.3 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-freeOuter-diameter (jacket)9.4 mmTolerance outer diameter (sheath)± 5 %Material wire insulationTPE-EAmount wires8Outer diameter insulation1.8 mmOuter diameter insulation1.8 mmOuter diameter insulation5 ± 3 Shore DIngredient freeness wire insulation1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-freeIngredient freeness wire insulation1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free	Jacket Color	gray
Amount stranding1Stranding2 wires with Filler twistedStranding factor min.51 mmStranding factor max.51 mmAmount stranding (type 2)1Stranding factor min. (type 2)9 wires around Stranding combination counter-rotating twistedStranding factor min. (type 2)9 wires around Stranding combination counter-rotating twistedStranding factor min. (type 2)100 mmStranding factor max. (type 2)100 mmCable weigth146,3 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-freeOuter diameter (jacket)9.4 mmTolerance outer diameter (sheath)± 5 %Material wire insulation1.8 mm <td>Type of Certificate</td> <td></td>	Type of Certificate	
Stranding factor min.51 mmStranding factor max.51 mmAmount stranding (type 2)1Stranding factor max.9 wires around Stranding combination counter-rotating twistedStranding factor min. (type 2)9 wires around Stranding combination counter-rotating twistedStranding factor max. (type 2)100 mmStranding factor max. (type 2)100 mmFilleryeswire arrangementwhite, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet)Cable weigth146,3 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-freeOuter-diameter (jacket)9,4 mmTolerance outer diameter (sheath)± 5 %Material wire insulation1,8 mmOuter diameter insulation1,8 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 3 Shore DIngredient freeness wire insulation1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free		1
Stranding factor max.51 mmAmount stranding (type 2)1Stranding (type 2)9 wires around Stranding combination counter-rotating twistedStranding factor min. (type 2)100 mmStranding factor max. (type 2)100 mmFilleryeswire arrangementwhite, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet)Cable weigth146.3 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-freeOuter-diameter (jacket)± 5 %Material wire insulation1,8 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 3 Shore DIngredient freeness wire insulation165 ± 3 Shore DIngredient freeness wire insulation162 ± 3 Shore DIngredient freeness wire insulationked-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free	Stranding	2 wires with Filler twisted
Amount stranding (type 2)1Stranding (type 2)9 wires around Stranding combination counter-rotating twistedStranding factor min. (type 2)100 mmStranding factor max. (type 2)100 mmFilleryeswire arrangementwhite, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet)Cable weigth146,3 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-freeOuter-diameter (jacket)9,4 mmTolerance outer diameter (sheath)± 5 %Material wire insulationTPE-EAmount wires8Outer diameter tolerance core insulation1,8 mmOuter diameter tolerance core insulation55 ± 3 Shore DIngredient freeness wire insulation55 ± 3 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-free, silicone-free, LABS-free	Stranding factor min.	51 mm
Stranding (type 2) 9 wires around Stranding combination counter-rotating twisted Stranding factor min. (type 2) 100 mm Stranding factor max. (type 2) 100 mm Filler yes wire arrangement white, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet) Cable weigth 146,3 g/m Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free Outer-diameter (jacket) 9,4 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation TPE-E Amount wires 8 Outer diameter tolerance core insulation 1,8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 3 Shore D Ingredient freeness wire insulation Iead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free	Stranding factor max.	51 mm
Stranding factor min. (type 2)100 mmStranding factor max. (type 2)100 mmFilleryeswire arrangementwhite, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet)Cable weigth146,3 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-freeOuter-diameter (jacket)9,4 mmTolerance outer diameter (sheath)± 5 %Material wire insulationTPE-EAmount wires8Outer diameter tolerance core insulation1,8 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 3 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-free, silicone-free, LABS-free	Amount stranding (type 2)	1
Stranding factor max. (type 2)100 mmFilleryeswire arrangementwhite, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet)Cable weigth146,3 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-freeOuter-diameter (jacket)9,4 mmTolerance outer diameter (sheath)± 5 %Material wire insulationTPE-EAmount wires8Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 3 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free	Stranding (type 2)	9 wires around Stranding combination counter-rotating twisted
Filleryeswire arrangementwhite, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet)Cable weigth146,3 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-freeOuter-diameter (jacket)9,4 mmTolerance outer diameter (sheath)± 5 %Material wire insulationTPE-EAmount wires8Outer diameter tolerance core insulation1,8 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 3 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free	Stranding factor min. (type 2)	100 mm
wire arrangementwhite, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet)Cable weigth146,3 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-freeOuter-diameter (jacket)9,4 mmTolerance outer diameter (sheath)± 5 %Material wire insulationTPE-EAmount wires8Outer diameter insulation1,8 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 3 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free	Stranding factor max. (type 2)	100 mm
Cable weigth146,3 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-freeOuter-diameter (jacket)9,4 mmTolerance outer diameter (sheath)± 5 %Material wire insulationTPE-EAmount wires8Outer diameter tolerance core insulation1,8 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 3 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free	Filler	yes
Material jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-freeOuter-diameter (jacket)9,4 mmTolerance outer diameter (sheath)± 5 %Material wire insulationTPE-EAmount wires8Outer diameter tolerance core insulation1,8 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 3 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free	wire arrangement	white, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet)
Shore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-freeOuter-diameter (jacket)9,4 mmTolerance outer diameter (sheath)± 5 %Material wire insulationTPE-EAmount wires8Outer diameter insulation1,8 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 3 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free	Cable weigth	146,3 g/m
Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-freeOuter-diameter (jacket)9,4 mmTolerance outer diameter (sheath)± 5 %Material wire insulationTPE-EAmount wires8Outer diameter insulation1,8 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 3 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free	Material jacket	PUR
Outer-diameter (jacket)9,4 mmTolerance outer diameter (sheath)± 5 %Material wire insulationTPE-EAmount wires8Outer diameter insulation1,8 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 3 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 % Material wire insulation TPE-E Amount wires 8 Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free
Material wire insulation TPE-E Amount wires 8 Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free		-
Amount wires 8 Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free	Tolerance outer diameter (sheath)	
Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free	Material wire insulation	
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free		8
Shore hardness wire insulation 55 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free		
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free		
Amount strands (wire) 64		
	Amount strands (wire)	64

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



Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,5 mm ²
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 ± 3 Shore D
Ingredient freeness wire insulation (Data)	lead-free, cadmium-free, CFC-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)	500 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)	0° C
Operating temperature min. (dynamic)	-40 °C
Operating temperature max. (dynamic)	0° 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)	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	11
Family construction form	M12
Gender	female
Color contact carrier	black
Coding	A
No. of poles	4
PIN 1	+
PIN 2	n.c.
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: 2024-05-05

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