

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

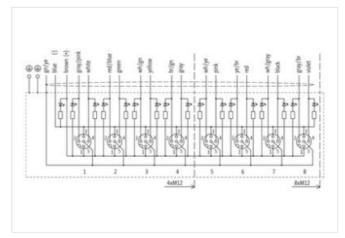
3.0m PUR 16x0,5+3x1,0, UL/CSA

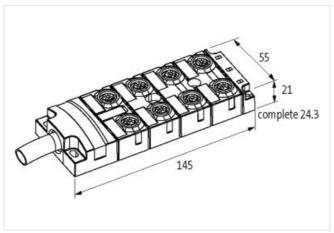
8-way, 5-pole 3.0 m with LED for digital NPN-signals 24 V DC Replaces identical product (Art.No. 27560) Further cable lengths on request.

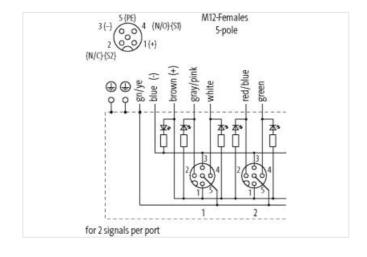
## **Link to Product**

## 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: 2024-05-21



stay connected

ECLASS-10.1  ECLASS-11.1  ECLASS-12.0  ECHASS-12.0  ECHAS	FOL 400 40 4	07440400
ECAMS 17:0         27:40109           ETIM-5.0         EC002585           cuttors staff number         85444290           GTIN         40:8879359518           Packaging unit         1           Electrical data [Supply           Operating voltage DC         24 V           Current operators per contact max.         4.A           Installation   Connection         Mounting set           Mounting set         M12 x 1           Degree of protection   Electrical         Degree of protection   Electrical           Degree of protection   Electrical         Set Post   PR88           Mechanical data   Material data         Mounting and the set of protection   Electrical           Degree of protection   Electrical         Electrical set of protection   Electrical           Beging the protection   Electrical         Electrical set of protection   Electrical           Reservation   Electrical         Degree of protection   Electrical           Mounting motion         Schraubgowide           Mounting motion         Schraubgowide           Environmental characteristics   Climate         Coperating temperature mix.           Operating temperature mix.         25 °C           Operating temperature mix.         452           Additional Cable         452 <t< td=""><td>ECLASS-10.1</td><td>27440108</td></t<>	ECLASS-10.1	27440108
ETM 5.0         ED002885           customs tariff number         85444290           GTIN         4048878529918           Packaging until         1           Electrical datal Supply         February obtage DC           Ournet operating per contact max.         4 A           Installation   Commontion         M12 x 1           Device protection   Electrical         Device protection   Electrical           Degree of protection (R INEC 60529)         (IP68, IP67, IP68           Mechanical data   Mauriting data         Mixcleded           Macrial Inousing         Schraubgewinde           Environmental characteristics   Climate         Contrag for protection repursature max.           Operating temperature max.         90°C           Operating temperature max.         90°C           Operating temperature max.         90°C           Operating temperature max.         90°C           Additional condition temperature range         depending on cable quality           Installation   Cable         Cable identification   45°2           Additional condition repursature max.         90°C           Additional condition repursature max.         10°C           Additional condition repursature max.         10°C           Additional condition repursature max.         90°C		
customs tariff number         85444200           GTIN         4048073352918           Peackaging unit         1           Electrical datal Supply           Operating voltage DC         24 V           Current operating per contact max.         4 A           Installation   Connection         Mounting set         M12 x 1           Degree of protection (EN IEC 60520)         IP65, IP67, IP68           Mechanical data   Material data         Nickeled           Cating housing         Nickeled           Mactinal nousing         Zinc discreting           Mechanical data   Mounting acta         Schraubgewinde           Environmental characteristics   Climatic         Operating persporture mix.           Operating persporture mix.         25 °C           Operating persporture mix.         90 °C           Addronal condition temperature max.         90 °C           Cable identification   452         Addronal stranding           Type of Conflicate         CURB           Cable identification   452         Amount stranding (type 2)           Filer         yes           Stranding (type 2)         1           Stranding (type 2)         1           Stranding (type 2)         1           Stranding (type 2)		
CTN         4048879852918           Packaging unit         1           Electrical datal Supply         Corrent portaing voltage DC         24 V           Current operating per contact max         4 A           Installation [Connection         Western Connection           Device protection [Electrical         Medical Installation [Connection           Device protection (EN IEC 60529)         IP66, IP67, IP68           Mechanical datal [Muterial data]         Muterial housing         Niceled           Machina Inouring         Zinc die casting           Mechanical data [Munting data         Muterial prosing         Zinc die casting           Mechanical data [Munting data         Muterial prosing         Zinc die casting           Mechanical data [Munting data         Muterial prosing         Zinc die casting           Mechanical data [Munting data         Muterial prosing data         Muterial prosing data           Muterial prosing method (ata) [Munting data         Zinc die casting           Muterial prosing method (ata) [Munting data         Zinc die casting           Muterial prosing method (ata) [Munting data         Zinc die casting           Review normal characteristics Climitics         Zinc die casting           Review normal characteristics Climitics         Zinc die casting           Installation [Cable		
Packaging unit   1       Electrical data   Supply		
Part		
Operating voltage DC         24 V           Current operating per contact max.         4 A           Installation   Connection         Mounting set         M12 x 1           Device protection   Electrical         PBS   P87, P88           Degree of protection   Electrical         PBS   P87, P88           Mechanical data   Material data         Coasing housing         Nickelind           Material housing         Zinc die-casting           Mechanical data   Mounting data         McChanical data   Mounting data           Mounting method         Schraubgewinde           Environmental characteristics   Climatic         Coperating temperature max.           Operating temperature min.         -25 °C           Operating temperature max.         90 °C           Additional Condition temperature range         depending on cable quality           Installation   Cable         452           Jacket Cloter         gray           Type of Certificate         culPlus           Amount stranding         1           Stranding (type 2)         1           Stranding (type 2)         1           Banding         Pieace           Filler         yes           wire arrangement         gray-prink, brown-green, yellow, green-wrinte, green, res-blue, white, (brown-gray, bla		1
Current operating per contact max.	Electrical data   Supply	
Mounting set	Operating voltage DC	24 V
Mounting set M12 x 1  Device protection   Electrical   Degree of p	Current operating per contact max.	4 A
Device protection [Electrical         P65, IP67, IP68           Mechanical data I Material data         Machanical data I Material data           Castang housing         Nickeled           Mechanical data I Mounting data         Machanical data I Mounting data           Mechanical data I Mounting data         Schraubgewinde           Environmental characteristics   Climatic         Coperating temperature min.         -25 °C           Operating temperature max.         90 °C         Operating temperature max.           Additional condition temperature range         depending on cable quality           Installation   Cable         Cable identification   452           Cable identification at stranding         452           Type of Certificate         dURus           Amount stranding         1           Stranding (type 2)         1           Stranding (type 2)         1           Stranding (type 2)         1           Filler         yes           Filler         yes           Filler         yes           Filler         yes           Filler         yes           Stora (and your point, policy groon white, green, yellow, green, yellow, yolkw, pink, yellow white, gray, blue, brown, green, yellow, wolkl)           Cable weight         3.3 gran	Installation   Connection	
Degree of protection (EN IEC 60529)         IP65, IP67, IP68           Mechanical data   Material data           Coating housing         Nickeled           Material housing         Zinc die-casting           Mechanical data   Mounting data         Schraubgewinde           Environmental Characteristics   Climatic         Operating temperature min.         25 °C           Operating temperature max.         90 °C         Additional condition temperature range         depending on cable quality           Installation   Cable         Exercised Color         gray           Cable identification         452         Acket Color           Type of Certificate         UFUS           Amount stranding         1         1           Stranding (type 2)         1         2           Banding         Fleece         Fleer           Filler         yes         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 weigh         23 grim           Material jacket         PUR           Shore hardness jacket         PUR           Shore hardness jacket         PUR           Shore bardness (jacket)         l	Mounting set	M12 x 1
Mechanical data   Material data         Nickeled           Coating housing         Nickeled           Material housing         Zinc die-casting           Mechanical data   Mounting data         Mounting method           Schraubgewinde         Schraubgewinde           Environmental characteristics   Climatic         Very Company (Mounting the Company of	Device protection   Electrical	
Coating housing         Nickeled           Material housing         Zinc die-casting           Mechanical 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         Amount stranding         452           Jacket Color         gray         Grave around Core filler twisted           Amount stranding         1         Stranding         7 wires around Core filler twisted           Amount stranding (type 2)         1         2         1         1         2         1	Degree of protection (EN IEC 60529)	IP65, IP67, IP68
Material housing         Zinc die casting           Mechaical date   Mounting date         Schraubgewinde           Environmental characteristics   Climatic         Coperating temperature min.         25 °C           Operating temperature max.         90 °C         Additional condition temperature range depending on cable quality           Installation   Cable         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           Banding         Fleece           Filler         yes           wire arrangement         gray-pink, brown-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown-green, yellow, green-yellow, violet)           Cable weight         231 g/m           Material jacket         PUR           Shore hardness jacket         94 ± 5 Shore A           Freedom from ingredients (facket)         11.5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material we'n insulation         TPE-E           Amount wires <td>Mechanical data   Material data</td> <td></td>	Mechanical data   Material data	
Material housing         Zinc die casting           Mechaical date   Mounting date         Schraubgewinde           Environmental characteristics   Climatic         Coperating temperature min.         25 °C           Operating temperature max.         90 °C         Additional condition temperature range depending on cable quality           Installation   Cable         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           Banding         Fleece           Filler         yes           wire arrangement         gray-pink, brown-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown-green, yellow, green-yellow, violet)           Cable weight         231 g/m           Material jacket         PUR           Shore hardness jacket         94 ± 5 Shore A           Freedom from ingredients (facket)         11.5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material we'n insulation         TPE-E           Amount wires <td>Coating housing</td> <td>Nickeled</td>	Coating housing	Nickeled
Mounting method Schraubgewinde  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 40 °C  Additional condition temperature range depending on cable quality  Installation   Cable  Cable identification 452  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding (type 2) 1  Stranding (type 2) 1  Stranding (type 2) 12 wires counter-rotating twisted  Banding Fleece  Filler yes  wire arrangement grap-pink, brown-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown-green yellow, white, (gray-white, red, brown-green-yellow, violet)  Shore hardness jacket 94 £ 5 Shore A  Freedom from ingredients (jacket) 11.5 mm  Tolerance outer diameter (sheath) £ 5 %  Material wire insulation TPE-E  Amount strandis (wire) 64  Durner diameter lolerance oore insulation 15.5 \$ Shore D  Ingredient freeness wire insulation 15.6 mm  Outer diameter tolerance oore insulation 15.6 mm  Conductor dramders wire insulation 15.6 mm  Conductor dramders wire insulation 15.5 mm  Conductor dramders wire insulation 15.5 mm  Conductor dramders wire insulation 16.6 mm  Cuter diameter folerance or insulation 15.5 mm  Conductor dramders wire insulation 15.5 mm  Conductor dramders wire insulation 15.5 mm  Conductor dramders wire insulation 16.4 mm  Conductor drameter of single wires 0, 1 mm  Conductor or consequence of single wires 0, 1 mm  Conductor or consequence of single wires 0, 1 mm  Conductor or consequence or		Zinc die-casting
Mounting method Schraubgewinde  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 40 °C  Additional condition temperature range depending on cable quality  Installation   Cable  Cable identification 452  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding (type 2) 1  Stranding (type 2) 1  Stranding (type 2) 12 wires counter-rotating twisted  Banding Fleece  Filler yes  wire arrangement grap-pink, brown-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown-green yellow, white, (gray-white, red, brown-green-yellow, violet)  Shore hardness jacket 94 £ 5 Shore A  Freedom from ingredients (jacket) 11.5 mm  Tolerance outer diameter (sheath) £ 5 %  Material wire insulation TPE-E  Amount strandis (wire) 64  Durner diameter lolerance oore insulation 15.5 \$ Shore D  Ingredient freeness wire insulation 15.6 mm  Outer diameter tolerance oore insulation 15.6 mm  Conductor dramders wire insulation 15.6 mm  Conductor dramders wire insulation 15.5 mm  Conductor dramders wire insulation 15.5 mm  Conductor dramders wire insulation 16.6 mm  Cuter diameter folerance or insulation 15.5 mm  Conductor dramders wire insulation 15.5 mm  Conductor dramders wire insulation 15.5 mm  Conductor dramders wire insulation 16.4 mm  Conductor drameter of single wires 0, 1 mm  Conductor or consequence of single wires 0, 1 mm  Conductor or consequence of single wires 0, 1 mm  Conductor or consequence or	Mechanical data   Mounting data	
Pervironmental characteristics   Climatic		Schraubgewinde
Operating temperature min. 25 °C Operating temperature max. 90 °C Additional condition temperature range depending on cable quality  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 Stranding (type 2) 1 Stranding Fleece Fillor yes Fillor 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 PUR Shore hardness jacket 94 ± 5 Shore A Freedom from ingredients (jacket) 11.5 mm Tolerance outer diameter (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 1.6 mm Outer diameter tolerance core insulation 5 ± 5 Shore D Ingredient freeness wire insulation 1.6 mm Outer diameter feness wire insulation 1.6 mm Diameter of single wires 0,1 mm Conductor crosssection (wire) 6,4 Material conductor wire Stranded copper wire, bare		
Operating temperature max. 90 °C Additional condition temperature range depending on cable quality  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 Stranding Fleece Filler yes Banding Fleece Filler yes Wire arrangement gray-pink, brown-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown-green), violet)  Cable weight 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 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  Material conductor wire Stranded copper wire, bare	·	-25 °C
Additional condition temperature range   depending on cable quality		
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)         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 (facket)         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 vires         16           Outer diameter insulation         1,6 mm           Outer diameter tolerance core insulation         5 5 ± 5 Shore D           Ingredient freeness wire insulation         16 mm           Oute		
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)     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     64       Diameter of single wires     0,1 mm       Conductor crosssection (wire)     0,5 mm²       Material conductor wire     Stranded copper wire, bare		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) 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 insulation 55 ± 5 Shore D Ingredient freeness wire insulation 1ead-free, CFC-free, halogen-free, LABS-free Amount strands (wire) 64 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,5 mm² Material conductor wire Stranded copper wire, bare	·	
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 diameter (sheath) ± 5 %  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 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  Material conductor wire Stranded copper wire, bare		
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 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 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 Material conductor wire Stranded copper wire, bare		
Stranding 7 wires around Core filler twisted  Amount 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 tolerance core insulation ± 5 %  Shore hardness wire insulation ± 5 %  Shore hardness wire insulation   ± 5 %  Shore hardness wir		
Amount stranding (type 2)  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  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  55 ± 5 Shore D  Ingredient freeness wire insulation  predient freeness wire insulation  Amount strands (wire)  64  Diameter of single wires  0,1 mm  Conductor crosssection (wire)  0,5 mm²  Material conductor wire  Stranded copper wire, bare		
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     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       Material conductor wire     Stranded copper wire, bare		
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 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  Material conductor wire Stranded copper wire, bare		
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 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  Material conductor wire Stranded copper wire, bare		
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 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  Material conductor wire Stranded copper wire, bare		
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 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  Material conductor wire Stranded copper wire, bare		gray-pink, brown-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown-
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 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  Material conductor wire Stranded copper wire, bare	Cable weigth	231 g/m
Freedom from ingredients (jacket)  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  55 ± 5 Shore D  Ingredient freeness wire insulation  Ingredient freeness wire insulation  Ead-free, CFC-free, halogen-free, silicone-free, LABS-free  Amount strands (wire)  Diameter of single wires  0,1 mm  Conductor crosssection (wire)  Material conductor wire  Stranded copper wire, bare	Material jacket	PUR
Outer-diameter (jacket)  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  TPE-E  Amount wires  16  Outer diameter insulation  1,6 mm  Outer diameter tolerance core 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  Material conductor wire  Stranded copper wire, bare	Shore hardness jacket	94 ± 5 Shore A
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 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  Material conductor wire Stranded copper wire, bare	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free
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 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  Material conductor wire Stranded copper wire, bare	Outer-diameter (jacket)	11,5 mm
Amount wires  16  Outer diameter insulation  1,6 mm  Outer diameter tolerance core insulation  55 %  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  Material conductor wire  Stranded copper wire, bare	Tolerance outer diameter (sheath)	± 5 %
Outer diameter insulation     1,6 mm       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       Material conductor wire     Stranded copper wire, bare	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  Material conductor wire Stranded copper wire, bare	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  Material conductor wire Stranded copper wire, bare	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  Material conductor wire Stranded copper wire, bare		
Amount strands (wire) 64  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,5 mm²  Material conductor wire Stranded copper wire, bare	-	
Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,5 mm²  Material conductor wire Stranded copper wire, bare	- <u>-</u>	
Conductor crosssection (wire) 0,5 mm²  Material conductor wire Stranded copper wire, bare		
Material conductor wire Stranded copper wire, bare		
Conductor type (wire) strand class 6		
	Conductor type (wire)	strand class 6

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: 2024-05-21



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 mm²
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
No. of bending cycles (C-track)	5 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	2 m/s @ 25 °C
Connection type 2	
Family construction form	free cable end

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	