

## **CAP FOR D-BOX M12 8-WAY 4 POLE**

No pot.-sep. 15m PUR, 8x0,5+3x1,0

for 8-way distribution box, 4-pole 15.0 m

Further cable lengths on request.

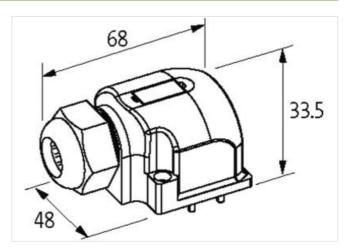
Plastic housings with good resistance against chemicals and oils.

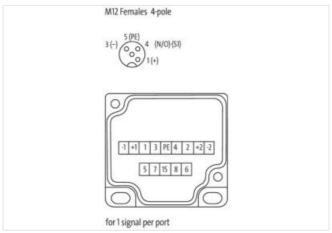
The resistance to aggressive media should be individually tested for your application. Further details on request.

## **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: 2024-05-06



stay connected

EGLASS 1-0   27440108   EGLASS 1-12   EGLAS		
EGLASS 120         2744008           ETIMA-0.         ECO02555           cuntoms tentif number         8544290           GTIN         4048973058022           Packaging unit         1           Electrical data (Supply         Total current max         8 A           Device protection, Media         Emmerications         fame retardant           Flame resistance         fame retardant           Mechanical data (Material data)         Fame resistance           Mechanical data (Material data)         Pleasic           Environmental characteristics   Climatic         Fundamental properature mix           Operating temperature max         80 °C           Additional condition temperature range         depending on cable quality           Installation   Cable         Cable identification   Cable           Cable identification   Cable         UPUR           Standing and properature mix         80 °C           Additional condition (Emperature max         80 °C           Additional condition (Emperature mix         80 °C           Additional condition (Emperature mix mix mix mix mix	ECLASS-10.1	27440108
ETIMAS 0         ECONESSIS           Custions Isalif number         64448290           GTIN         60448789858602           Packaging until         ************************************		
customs tariff number         85444280           GTIN         40468739656022           Packaging unit         1           Electrical data   Supply           Device procetton   Media           Flame resistance         flame retardant           Mochanical data   Material data         Material housing         Plastic           Environmental characteristics   Climatic         Coperating (presponsature max         80 °C           Additional condition temperature range         depending on cable quality           Installation   Cable         447           Jacket Calor         9ray           Type of Certificate         2URus           Amount stranding         1           Stranding factor max         51 mm           Annount stranding (type 2)         9 wires around Stranding combination counter-rotating twisted           Stranding (type 2)         9 wires around Stranding combination counter-rotating twisted           Stranding factor mix. (type 2)         100 mm		
OTN         4048879365802           Packaging unit         1           Electrical data   Supply           Total current max.         8 A           Device protection   Media           Illumination   Illumi		
Peckaging unit         1           Electrical data (Suppty)         8 A           Total current max         8 A           Device protection (Media)         Imame residance           Flame residance         flame retardant           Mechanical data (Material data)         Machanical data (Material data)           Environmental Characteristics   Climate         Vinconsortial (Capper)           Coperating representate max         80 °C           Additional condition temperature range         depending on cable quality           Installation (Cable         447           Jacket Color         gray           Type of Certificate         4JBus           Amount stranding         1           Stranding factor min.         51 mm           Stranding factor min.         51 mm           Stranding factor min.         51 mm           Stranding factor min. (type 2)         9 wes around Stranding combination counter-rotating twisted           Stranding factor min. (type 2)         100 mm           Stranding factor min. (type 2)         100 mm           Stranding factor min. (type 2)         9 wes around Stranding combination counter-rotating twisted           Stranding factor min. (type 2)         100 mm           Stranding factor min. (type 2)         100 mm		
Electrical data   Supply         8 A           Device protection   Media           Flame resistance         flame restandant           Macterial bousing         Plastic           Environmental characteristics   Climatic         Environmental characteristics   Climatic           Environmental characteristics   Climatic         Coperating temperature min.         20 °C           Operating temperature may.         80 °C         Actional condition temperature range         depending on cable quality           Installation   Cable         Cable identification in temperature range         depending on cable quality           Installation   Cable         Cable identification at a stranding of the properties of the		
Total current max.         8 A           Device protection   Modia           Flame resistance         // Itamo retardant           Mechanical data  Material data         Itamo resistance           Mechanical data  Material floasing         Pleasic           Environmental characteristics   Climatic         Coperating temperature minx.         20 °C           Operating temperature max.         80 °C         Additional condition temperature range         depending on cable quality           Additional condition is emperature range         depending on cable quality           Installation   Cable         447           Jacket Color         gray           Type of Certificate         URBs           Amount attranding         1           Stranding factor min.         51 mm           Stranding factor min.         51 mm           Stranding factor min.         51 mm           Stranding factor min. (type 2)         9 wire around Stranding combination counter-rotating twisted           Stranding factor min. (type 2)         9 wire around Stranding combination counter-rotating twisted           Stranding factor min. (type 2)         9 wire around Stranding combination counter-rotating twisted           Stranding factor min. (type 2)         9 wire around Stranding combination counter-rotating twisted           Stranding factor min. (	Packaging unit	1
Perice protection   Media	Electrical data   Supply	
Flume resistance         flume retardant           Mechanical data   Material data         Pastic           Environmental characteristics   Climatic         Flume           Environmental characteristics   Climatic         Pastic           Environmental characteristics   Climatic         Properating temperature man.         30 °C           Operating temperature mans.         80 °C         Common (Common Common C	Total current max.	8 A
Mechanical data   Material data         Plastic           Environmental characteristics   Climatic         Commonstration of the product of the produ	Device protection   Media	
Material housing         Plastic           Environmental characteristics   Climatic           Operating temperature min.         20 °C           Coparating temperature max.         80 °C           Additional condition temperature range         depending on cable quality           Installation   Gabie         Unable (additional or properature range           Cable identification         447           Jackel Color         gray           Type of Certificate         CURUS           Amount stranding         1           Stranding factor min.         51 mm           Stranding factor min.         51 mm           Amount stranding (type 2)         1           Stranding factor max. (type 2)         100 mm           Wite arrangement         white, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet)           Cable weight         146,3 gm           Material jacket         85 * 5 Shore A           Froedom from ingradients (gacket)         146,7 gm           Culzer diameter (gacket)         1,8 mm           Outer diameter (gacket)         1,8 mm <td>Flame resistance</td> <td>flame retardant</td>	Flame resistance	flame retardant
Coperaing temperature min.   -20 °C	Mechanical data   Material data	
Operating temperature min.         20 °C           Operating temperature max.         80 °C           Additional condition temperature range         depending on cable quality           Installation (Cable           Cable identification         447           Jacket Color         gray           Type of Certificate         cUFus           Amount stranding         1           Stranding         2 wires with Filler twisted           Stranding factor min.         51 mm           Stranding factor max.         51 mm           Amount stranding (type 2)         1           Stranding factor min. (type 2)         9 wires around Stranding combination counter-rotating twisted           Stranding factor min. (type 2)         100 mm           Filler         yes           wire arrangement         white, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet)           Cable weight         146,3 gim           Material jacket         PUR           Shore Ancriess 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 (jacket)         1,8 mm <td< td=""><td>Material housing</td><td>Plastic</td></td<>	Material housing	Plastic
Operating temperature min.         20 °C           Operating temperature max.         80 °C           Additional condition temperature range         depending on cable quality           Installation (Cable           Cable identification         447           Jacket Color         gray           Type of Certificate         cUFus           Amount stranding         1           Stranding         2 wires with Filler twisted           Stranding factor min.         51 mm           Stranding factor max.         51 mm           Amount stranding (type 2)         1           Stranding factor min. (type 2)         9 wires around Stranding combination counter-rotating twisted           Stranding factor min. (type 2)         100 mm           Filler         yes           wire arrangement         white, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet)           Cable weight         146,3 gim           Material jacket         PUR           Shore Ancriess 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 (jacket)         1,8 mm <td< td=""><td>Environmental characteristics   Climatic</td><td></td></td<>	Environmental characteristics   Climatic	
Operating temperature max. 80 °C Additional condition temperature range depending on cable quality  Installation   Cable  Installation   Cable  Installation   Cable   Installation   Installa		20.00
Additional condition temperature range depending on cable quality  Installation   Cable    Cable identification   447    Jacket Color gray  Type of Certificate oURus  Amount stranding 1    Stranding 2 wires with Filler twisted  Stranding factor min. 51 mm  Amount stranding (type 2) 1    Stranding factor min. (type 2) 100 mm  Stranding factor min. (type 2) 100 mm  Stranding factor min. (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 ± Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free  Outer diameter (jacket) 1 ± 5 %  Material wire insulation TPE-E  Amount wires 8  Outer diameter berance core insulation ± ± 5 %  Shore hardnesse wire insulation 1,8 mm  Outer diameter tolerance core insulation 5 ± ± 5 %  Shore hardness wire insulation 1,8 mm  Outer diameter fence and insulation 1 sead-free, cafmium-free, CFC-free, halogen-free, LABS-free  Outer diameter folerance core insulation 5 ± ± 5 %  Shore hardness wire insulation 1,8 mm  Outer diameter freeness wire insulation 1,8 mm  Outer diameter freeness wire insulation 1,8 mm  Outer diameter freeness wire insulation 1 sead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free  Amount strands (wire) 64  Dameter of single wires 0,1 mm  Conductor crosssection (wire) 5,5 mm²  Material diversion (wire) 5,5 mm²  Material wire insulation (Data) 7 PE-E  Conductor type (wire) strand class 6  Material wire insulation (Data) 7 PE-E  Outer diameter wire insulation (Data) 2,2 mm  Tolerance outer diameter wire insulation (data) 4,5 %		
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 mm           Amount stranding (type 2)         1           Stranding factor min. (type 2)         9 wires around Stranding combination counter-rotating twisted           Stranding factor min. (type 2)         100 mm           Stranding factor max. (type 2)         100 mm           Stranding factor min. (type 2)         100 mm           Stranding factor min. (type 2)         100 mm		
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 factor min. (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 withle, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet)           Cable weight         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 insulation         1,8 mm           Outer diameter insulation         55 ± 3 Shore D           Ingredient freeness wire insulation		depending on cable quality
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 factor min. (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           wrie 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 vier insulation         TPE-E           Amount wires         8           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         5 ± 3 Shore D           Ingredient freeness wire insulation         1 ead-free, cadmium-free, CFC-free		
Type of Certificate         cURus           Amount stranding         1           Stranding         2 wires with Filler twisted           Stranding factor min.         51 mm           Stranding factor max.         51 mm           Amount stranding (type 2)         1           Stranding factor min. (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         PUR           Shore hardness jacket         PUR           Shore hardness jacket         PUR           Shore hardness jacket         9,4 mm           Tolerance outer diameter (jacket)         9,4 mm           Tolerance outer diameter (jacket)         9,4 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         1,8 mm           Outer diameter (blerance core insulation         5 ± 3 Shore D           Ingredient (reeness wire insulation <td< td=""><td>Cable identification</td><td>447</td></td<>	Cable identification	447
Amount stranding 1 Stranding 2 wires with Filler twisted Stranding factor min. 51 mm  Amount stranding (type 2) 1 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 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 insulation 1,8 mm  Outer diameter insulation 55 ± 3 Shore D  Ingredient freeness wire insulation lead-free, cadmium-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  Conductor type (wire) stranded copper wire, bare  Outer diameter vire insulation (Data) 7PE-E  Outer diameter wire insulation (Data) 2,1 mm  Tolerance outer diameter wire insulation (Data) ± 5 %	Jacket Color	gray
Stranding         2 wires with Filler twisted           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 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 insulation         1,8 mm           Outer diameter insulation         55 ± 3 Shore D           Ingredient freeness wire insulation         55 ± 3 Shore D           Ingredient freeness wire insulation         64           Outer diameter wire insulation (wire)         <	Type of Certificate	cURus
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 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 (jacket)         9,4 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         TPE-E           Amount wires         8           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, LABS-free           Amount strands (wire)         64           Diameter of single wires         0,1 mm           Conductor	Amount stranding	1
Stranding factor max.         51 mm           Amount stranding (type 2)         1           Stranding factor min. (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)           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 insulation         1,8 mm           Outer diameter tolerance core insulation         5 ± 3 Shore D           Ingredient freeness wire insulation         5± 3 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           Conductor t	Stranding	2 wires with Filler twisted
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 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 ± 5 %  Shore hardness wire insulation 55 ± 3 Shore D  Ingredient freeness wire insulation bed-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free  Amount strands (wire) 64  Diameter of single wires 0,1 mm  Conductor orosssection (wire) 0,5 mm²  Material conductor wire 5tranded copper wire, bare  Conductor type (wire) stranded copper wire, bare  Conductor diameter visulation (Data) 1,7 mm  Tolerance outer diameter wire insulation (Data) 2,1 mm  Tolerance outer diameter wire insulation (Data) ± 5 %		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  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 insulation 1,8 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 5 ± 5 %  Shore hardness wire insulation 1 = ad-free, cadmium-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 wire insulation (Data) 7 FE-E  Outer diameter wire insulation (Data) 2,1 mm  Tolerance outer diameter wire insulation (Data) ± 5 %	Stranding factor max.	51 mm
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 ± 3 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free           Amount strands (wire)         64           Diameter of single wires         0,1 mm           Conductor type (wire)         Stranded copper wire, bare           Material wire insulation (Data)         TPE-E           Outer diameter wire insulation (Data)         TPE-E           Outer diameter wire insulation (Data)         TPE-E     <	Amount stranding (type 2)	1
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 ± 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 strands (wire) 64  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,5 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Material wire insulation (Data) TPE-E  Outer diameter wire insulation (Data) ± 5 %  Tolerance outer diameter wire insulation (Data) ± 5 %		9 wires around Stranding combination counter-rotating twisted
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 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 strands (wire) 64 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,5 mm² 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 (Idata) ± 5 %	Stranding factor min. (type 2)	100 mm
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 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 strands (wire) 64  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,5 mm²  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 %	Stranding factor max. (type 2)	100 mm
Cable weight         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         55 ± 3 Shore D           Ingredient freeness wire insulation         1ead-free, cadmium-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           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 %	Filler	yes
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 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 strands (wire) 64  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,5 mm²  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 %	wire arrangement	white, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet)
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 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 strands (wire) 64  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,5 mm²  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 %	Cable weigth	146,3 g/m
Freedom from ingredients (jacket)  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  55 ± 3 Shore D  Ingredient freeness wire insulation  Ingredient freeness wire insulation  bead-free, cadmium-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  Conductor type (wire)  strand class 6  Material wire insulation (Data)  TPE-E  Outer diameter wire insulation (Data)  Telerance outer diameter wire insulation (data) ± 5 %	Material jacket	PUR
Outer-diameter (jacket)       9,4 mm         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         Amount strands (wire)       64         Diameter of single wires       0,1 mm         Conductor crosssection (wire)       0,5 mm²         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 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  Amount strands (wire) 64  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,5 mm²  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 %	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 strands (wire)       64         Diameter of single wires       0,1 mm         Conductor crosssection (wire)       0,5 mm²         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 %		·
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 strands (wire) 64 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,5 mm² 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 %		
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 strands (wire)       64         Diameter of single wires       0,1 mm         Conductor crosssection (wire)       0,5 mm²         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 %	Material wire insulation	TPE-E
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 strands (wire) 64  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,5 mm²  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 %	Amount wires	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  Amount strands (wire) 64  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,5 mm²  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 %	Outer diameter insulation	1,8 mm
Ingredient freeness wire insulation lead-free, cadmium-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  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 %	Outer diameter tolerance core insulation	±5%
Amount strands (wire) 64  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,5 mm²  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 %		55 ± 3 Shore D
Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,5 mm²  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 %	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free
Conductor crosssection (wire) 0,5 mm²  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 %	Amount strands (wire)	64
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 %		•
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 %	Conductor crosssection (wire)	· · · · · · · · · · · · · · · · · · ·
Material wire insulation (Data)  TPE-E  Outer diameter wire insulation (Data)  Zolerance outer diameter wire insulation (data)  Tolerance outer diameter wire insulation (data)		····
Outer diameter wire insulation (Data) 2,1 mm  Tolerance outer diameter wire insulation (data) ± 5 %	Conductor type (wire)	strand class 6
Tolerance outer diameter wire insulation (data) ±5 %	Material wire insulation (Data)	TPE-E
		· · · · · · · · · · · · · · · · · · ·
Shore hardness wire insulation (Data) 55 ± 3 Shore D	Tolerance outer diameter wire insulation (data)	
	Shore hardness wire insulation (Data)	55 ± 3 Shore D



stay connected

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 <sup>2</sup>
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)	90 °C
Operating temperature min. (dynamic)	-40 °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)	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