

## **CAP FOR D-BOX M12 8-WAY 5-POLE**

No pot.-sep. 15m PUR UL/CSA, 16x0,5+3x1,0

for 8-way distribution boxes, 5-pole 15.0 m

Further cable lengths on request.

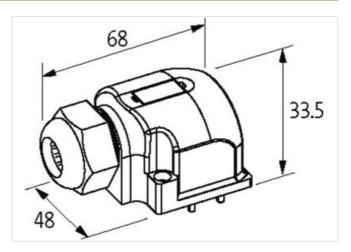
Plastic housings with good resistance against chemicals and oils.

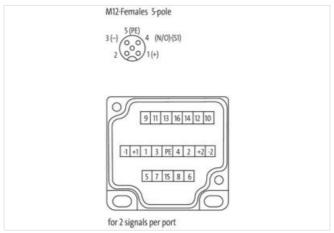
The resistance to aggressive media should be individually tested for your application. Further details on request.

## **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: 2024-05-09



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ECLASS-10.1	27440108
ECLASS-11.1	27440108
ECLASS-12.0	27440108
ETIM-5.0	EC002585
customs tariff number	85444290
GTIN	4048879053716
Packaging unit	1
Electrical data   Supply	
Total current max.	8 A
Device protection   Media	
Flame resistance	flame retardant
Mechanical data   Material data	
Material housing	Plastic
Environmental characteristics   Climatic	
	00.00
Operating temperature min.	-20 °C
Operating temperature max.	70 °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
Banding Filler	Fleece yes
Filler	yes gray-pink, brown-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown-
Filler wire arrangement	yes 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)
Filler wire arrangement Cable weigth	yes 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) 231 g/m
Filler wire arrangement  Cable weigth  Material jacket	yes 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)  231 g/m PUR
Filler wire arrangement  Cable weigth  Material jacket Shore hardness jacket	yes 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)  231 g/m  PUR  94 ± 5 Shore A
Filler wire arrangement  Cable weigth  Material jacket Shore hardness jacket Freedom from ingredients (jacket)	yes  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)  231 g/m  PUR  94 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free
Filler wire arrangement  Cable weigth  Material jacket Shore hardness jacket Freedom from ingredients (jacket)  Outer-diameter (jacket)	yes 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)  231 g/m  PUR  94 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free  11,5 mm
Filler wire arrangement  Cable weigth  Material jacket Shore hardness jacket Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)	yes  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)  231 g/m  PUR  94 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free  11,5 mm  ± 5 %
Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	yes 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)  231 g/m  PUR  94 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free  11,5 mm  ± 5 %  TPE-E
Filler wire arrangement  Cable weigth  Material jacket Shore hardness jacket Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation  Amount wires	yes  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)  231 g/m  PUR  94 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free  11,5 mm  ± 5 %  TPE-E
Filler wire arrangement  Cable weigth  Material jacket Shore hardness jacket Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation  Amount wires  Outer diameter insulation	yes 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)  231 g/m PUR  94 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free  11,5 mm ± 5 %  TPE-E  16  1,6 mm
Filler wire arrangement  Cable weigth  Material jacket Shore hardness jacket Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation  Amount wires  Outer diameter insulation  Outer diameter tolerance core insulation	yes  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)  231 g/m  PUR  94 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free  11,5 mm  ± 5 %  TPE-E  16  1,6 mm  ± 5 %
Filler wire arrangement  Cable weigth  Material jacket Shore hardness jacket Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation  Amount wires  Outer diameter insulation  Outer diameter tolerance core insulation  Shore hardness wire insulation	yes  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)  231 g/m  PUR  94 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free  11,5 mm  ± 5 %  TPE-E  16  1,6 mm  ± 5 %  55 ± 5 Shore D
Filler wire arrangement  Cable weigth  Material jacket Shore hardness jacket Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation  Amount wires  Outer diameter insulation  Outer diameter tolerance core insulation  Shore hardness wire insulation  Ingredient freeness wire insulation	yes  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)  231 g/m  PUR  94 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free  11,5 mm  ± 5 %  TPE-E  16  1,6 mm  ± 5 %  55 ± 5 Shore D  lead-free, CFC-free, halogen-free, silicone-free, LABS-free
Filler  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation  Amount wires  Outer diameter insulation  Outer diameter tolerance core insulation  Shore hardness wire insulation  Ingredient freeness wire insulation  Amount strands (wire)	yes  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)  231 g/m  PUR  94 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free  11,5 mm ± 5 %  TPE-E  16  1,6 mm ± 5 %  55 ± 5 Shore D  lead-free, CFC-free, halogen-free, silicone-free, LABS-free  64
Filler  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation  Amount wires  Outer diameter insulation  Outer diameter tolerance core insulation  Shore hardness wire insulation  Ingredient freeness wire insulation  Amount strands (wire)  Diameter of single wires	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)  231 g/m  PUR  94 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free  11,5 mm  ± 5 %  TPE-E  16  1,6 mm  ± 5 %  55 ± 5 Shore D  lead-free, CFC-free, halogen-free, silicone-free, LABS-free  64  0,1 mm
Filler  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation  Amount wires  Outer diameter insulation  Outer diameter tolerance core insulation  Shore hardness wire insulation  Ingredient freeness wire insulation  Amount strands (wire)  Diameter of single wires  Conductor crosssection (wire)	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)  231 g/m  PUR  94 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free  11,5 mm  ± 5 %  TPE-E  16  1,6 mm  ± 5 %  55 ± 5 Shore D  lead-free, CFC-free, halogen-free, silicone-free, LABS-free  64  0,1 mm  0,5 mm²
Filler  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation  Amount wires  Outer diameter insulation  Outer diameter tolerance core insulation  Shore hardness wire insulation  Ingredient freeness wire insulation  Amount strands (wire)  Diameter of single wires  Conductor crosssection (wire)  Traversing distance (C-track)	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)  231 g/m  PUR  94 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free  11,5 mm  ± 5 %  TPE-E  16  1,6 mm  ± 5 %  55 ± 5 Shore D  lead-free, CFC-free, halogen-free, silicone-free, LABS-free  64  0,1 mm  0,5 mm²  5 m @ 25 °C
Filler  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation  Amount wires  Outer diameter insulation  Outer diameter tolerance core insulation  Shore hardness wire insulation  Ingredient freeness wire insulation  Amount strands (wire)  Diameter of single wires  Conductor crosssection (wire)  Traversing distance (C-track)  Material conductor wire	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)  231 g/m  PUR  94 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free  11,5 mm  ± 5 %  TPE-E  16  1,6 mm  ± 5 %  55 ± 5 Shore D  lead-free, CFC-free, halogen-free, silicone-free, LABS-free  64  0,1 mm  0,5 mm²  5 m @ 25 °C  Stranded copper wire, bare
Filler  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation  Amount wires  Outer diameter insulation  Outer diameter tolerance core insulation  Shore hardness wire insulation  Ingredient freeness wire insulation  Amount strands (wire)  Diameter of single wires  Conductor crosssection (wire)  Traversing distance (C-track)  Material conductor wire  Conductor type (wire)	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)  231 g/m  PUR  94 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free  11,5 mm  ± 5 %  TPE-E  16  1,6 mm  ± 5 %  55 ± 5 Shore D  lead-free, CFC-free, halogen-free, silicone-free, LABS-free  64  0,1 mm  0,5 mm²  5 m @ 25 °C  Stranded copper wire, bare  strand class 6
Filler  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation  Amount wires  Outer diameter insulation  Outer diameter tolerance core insulation  Shore hardness wire insulation  Ingredient freeness wire insulation  Amount strands (wire)  Diameter of single wires  Conductor crosssection (wire)  Traversing distance (C-track)  Material conductor wire  Conductor type (wire)  Material wire insulation (Data)	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)  231 g/m  PUR  94 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free  11,5 mm  ± 5 %  TPE-E  16  1,6 mm  ± 5 %  55 ± 5 Shore D  lead-free, CFC-free, halogen-free, silicone-free, LABS-free  64  0,1 mm  0,5 mm²  5 m @ 25 °C  Stranded copper wire, bare  strand class 6  TPE-E  2,1 mm
Filler  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation  Amount wires  Outer diameter insulation  Outer diameter tolerance core insulation  Shore hardness wire insulation  Ingredient freeness wire insulation  Amount strands (wire)  Diameter of single wires  Conductor crosssection (wire)  Traversing distance (C-track)  Material conductor wire  Conductor type (wire)  Material wire insulation (Data)  Outer diameter wire insulation (Data)	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)  231 g/m  PUR  94 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free  11,5 mm  ± 5 %  TPE-E  16  1,6 mm  ± 5 %  55 ± 5 Shore D  lead-free, CFC-free, halogen-free, silicone-free, LABS-free  64  0,1 mm  0,5 mm²  5 m @ 25 °C  Stranded copper wire, bare  strand class 6  TPE-E  2,1 mm
Filler wire arrangement  Cable weigth  Material jacket Shore hardness jacket Freedom from ingredients (jacket)  Outer-diameter (jacket) Tolerance outer diameter (sheath)  Material wire insulation  Amount wires  Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation  Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Traversing distance (C-track) Material conductor wire Conductor type (wire) Material wire insulation (Data) Outer diameter wire insulation (Data) Tolerance outer diameter wire insulation (data)	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)  231 g/m  PUR  94 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free  11,5 mm  ± 5 %  TPE-E  16  1,6 mm  ± 5 %  55 ± 5 Shore D  lead-free, CFC-free, halogen-free, silicone-free, LABS-free  64  0,1 mm  0,5 mm²  5 m @ 25 °C  Stranded copper wire, bare  strand class 6  TPE-E  2,1 mm  ± 5 %



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Diameter of single wires (Data)         0.1 mm           Conductor crosssection wire (Data)         1 mm²           Micro Conductor wire (Data)         Stranded copper wire, bare           Wire conductor type (Data)         Stranded cass 6           Max. rated voltage (conductor - ground)         300 V           Aux. 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)         25.5 A           Electrical resistance onling wire (Data)         20.0 km @ 20 °C           Electrical resistance coating wire (Data)         20.0 km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - iacket)         2 kV @ 60 s           Max. operating temperature (fixed)         90 °C           Operating temperature (fixed)         90 °C           Operating temperature max. (dynamic)         90 °C           Operating temperature max. (dynamic)         90 °C           Flame resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Bending ra	Amount strands wire (Data)	128
Material conductor wire (Data)   Stranded copper wire, bare	Diameter of single wires (Data)	0,1 mm
Wire conductor type (Data)   strand class 6	Conductor crosssection wire (Data)	1 mm²
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 (Data)         15 A           Electrical resistance content wire         39 Ω/km @ 20 °C           Electrical resistance content wire (Data)         20 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - gacket)         2 kV @ 60 s           Min. operating temperature (fixed)         90 °C           Operating temperature (fixed)         90 °C           Operating temperature max. (dynamic)         90 °C           Operating temperature max. (dynamic)         90 °C           Plame resistance         Good, application-related testing           Oil resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (installation)         x Outer diameter           Bending radius (installation)         8 x Outer diameter           Bending radius (dynamic)         10 x Outer diameter      <	Material conductor wire (Data)	Stranded copper wire, bare
Max. rated voltage (conductor - ground)         300 V           Current load capacity (standard)         to DIN VDE 0298-4           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 - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Min. operating temperature (fixed)         90 °C           Max. operating temperature (fixed)         90 °C           Operating temperature min. (dynamic)         -20 °C           Operating temperature mix. (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           Gasoline resistance         Good, application-related testing           Bending radius (fixed)         8 × Outer diameter           Bending radius (fixed)         8 × Outer diameter           Bending radius (fixed)         8 × Outer diameter           Family construction form         free cable end	Wire conductor type (Data)	strand class 6
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 - igacket)         40 °C           Min. operating temperature (static)         40 °C           Max. operating temperature (fixed)         90 °C           Operating temperature max. (dynamic)         20 °C           Operating temperature max. (dynamic)         90 °C           Operating temperature max. (dynamic)         90 °C           Operating teresistance         UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090           Chemical resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Dil resistance         Good, application-related testing           Bending radius (installation)         x Outer diameter           Bending radius (fixed)         8 x Outer diameter      <	Max. rated voltage (conductor - conductor)	300 V
Current load capacity min. Wire (Data)         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 - igacket)         -40 °C           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         90 °C           Operating temperature min. (dynamic)         -20 °C           Operating temperature min. (dynamic)         90 °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           Gir resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (installation)         x Outer diameter           Bending radius (fixed)         8 x Outer diameter           Bending radius (fixed)         8 x Outer diameter           Travel speed (C-track)         5 Nio. @ 25 °C           Connection type 2         Family construction form	Max. rated voltage (conductor - ground)	300 V
Current load capacity min. Wire (Data)   15 A	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire   39 Ω/km @ 20 °C	Current load capacity min. wire	5,9 A
Electrical resistance coating wire (Data) 20 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - ack with a coating temperature (static) 40 °C  Max. 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  Gil 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  Bending radius (dynamic) 10 x Outer diameter  Family construction form free cable end  No. of poles 19  Family construction form M12  Gender female  Color contact carrier black  Coding A  No. of poles 5  FINI 1 +  FIN 2 NC S 2	Current load capacity min. Wire (Data)	15 A
AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - jacket)         2 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         90 °C           Operating temperature min. (dynamic)         -20 °C           Operating temperature max. (dynamic)         90 °C           Flame resistance         UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oil resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (installation)         x Outer diameter           Bending radius (fixed)         8 x Outer diameter           Bending radius (dynamic)         10 x Outer diameter           Travel speed (C-track)         5 Mo. @ 25 °C           Connection type 2         Family construction form         free cable end           No. of poles         19           Family construction form         M12           Gender         female           Color contact carrier         black           Coding         A           No. of poles         5           PIN 1         + <td>Electrical resistance line constant wire</td> <td>39 Ω/km @ 20 °C</td>	Electrical resistance line constant wire	39 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Min. operating temperature (fixed)  90 °C  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Plame resistance  UL. 1581 § 1100 FT2   IEC 60332-2-2   UL. 1581 § 1090  Chemical resistance  Good, application-related testing  Gasoline 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 (dynamic)  10 x Outer diameter  Travel speed (C-track)  Shio. ⊚ 25 °C  Connection type 2  Family construction form  free cable end  No. of poles  19  Family construction form  M12  Gender  female  Color contact carrier  black  Coding  A  No. of poles  5  PIN 1  +  PIN 2  NC S 2	Electrical resistance coating wire (Data)	20 Ω/km @ 20 °C
Min. operating temperature (static)  Min. operating temperature (static)  Max. operating temperature (fixed)  90 °C  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  90 °C  Flame resistance  UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (installation)  x Outer diameter  Bending radius (fixed)  8 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  5 Mio. @ 25 °C  Connection type 2  Family construction form  free cable end  No. of poles  19  Family construction form  M12  Gender  female  Color contact carrier  black  Coding  A  No. of poles  5  PIN 1  +  PIN 2  NC S 2	AC withstand voltage (wire - wire)	2 kV @ 60 s
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  Gasoline resistance Good, application-related testing   DIN EN 60811-404  Bending radius (installation) x Outer diameter  Bending radius (fixed) 8 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  Connection type 2  Family construction form free cable end  No. of poles 19  Family construction form M12  Gender female  Color contact carrier black  Coding A  No. of poles 5  PIN 1 +  PIN 2 NC S 2	. ,	2 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature detaing	Min. operating temperature (static)	-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 Oil resistance Good, application-related testing   DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 8 x Outer diameter Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  Connection type 2 Family construction form free cable end No. of poles 19 Family construction form M12 Gender female Color contact carrier black Coding A No. of poles 5 PIN 1 + PIN 2 NC S 2	Max. operating temperature (fixed)	90 °C
Flame resistance UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (installation) x Outer diameter  Bending radius (fixed) 8 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  Connection type 2  Family construction form free cable end  No. of poles 19  Family construction form M12  Gender female  Color contact carrier black  Coding A  No. of poles 5  PIN 1 +  PIN 2 NC S 2	Operating temperature min. (dynamic)	-20 °C
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (installation) x Outer diameter  Bending radius (fixed) 8 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  Connection type 2  Family construction form free cable end No. of poles 19  Family construction form M12  Gender female  Color contact carrier black  Coding A  No. of poles 5  PIN 1 +  PIN 2 NC S 2	Operating temperature max. (dynamic)	90 °C
Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (installation) x Outer diameter  Bending radius (fixed) 8 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  Connection type 2  Family construction form free cable end  No. of poles 19  Family construction form M12  Gender female  Color contact carrier black  Coding A  No. of poles 5  PIN 1 +  PIN 2 NC S 2	Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
Coil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (installation) x Outer diameter  Bending radius (fixed) 8 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  Connection type 2  Family construction form free cable end  No. of poles 19  Family construction form M12  Gender female  Color contact carrier black  Coding A  No. of poles 5  PIN 1 +  PIN 2 NC S 2	chemical resistance	Good, application-related testing
Bending radius (installation) x Outer diameter  Bending radius (fixed) 8 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  Connection type 2  Family construction form free cable end  No. of poles 19  Family construction form M12  Gender female  Color contact carrier black  Coding A  No. of poles 5  PIN 1 +  PIN 2 NC S 2	Gasoline resistance	Good, application-related testing
Bending radius (fixed) 8 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  Connection type 2  Family construction form free cable end  No. of poles 19  Family construction form M12  Gender female  Color contact carrier black  Coding A  No. of poles 5  PIN 1 +  PIN 2 NC S 2	Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (dynamic)  Travel speed (C-track)  5 Mio. @ 25 °C  Connection type 2  Family construction form  free cable end  No. of poles  19  Family construction form  M12  Gender  female  Color contact carrier  black  Coding  A  No. of poles  5  PIN 1  +  PIN 2  NC S 2	Bending radius (installation)	x Outer diameter
Travel speed (C-track) 5 Mio. @ 25 °C  Connection type 2  Family construction form free cable end  No. of poles 19  Family construction form M12  Gender female  Color contact carrier black  Coding A  No. of poles 5  PIN 1 +  PIN 2 NC S 2	Bending radius (fixed)	8 x Outer diameter
Connection type 2           Family construction form         free cable end           No. of poles         19           Family construction form         M12           Gender         female           Color contact carrier         black           Coding         A           No. of poles         5           PIN 1         +           PIN 2         NC S 2	Bending radius (dynamic)	10 x Outer diameter
Family construction form free cable end  No. of poles 19  Family construction form M12  Gender female  Color contact carrier black  Coding A  No. of poles 5  PIN 1 +  PIN 2 NC S 2	Travel speed (C-track)	5 Mio. @ 25 °C
No. of poles       19         Family construction form       M12         Gender       female         Color contact carrier       black         Coding       A         No. of poles       5         PIN 1       +         PIN 2       NC S 2	Connection type 2	
Family construction form         M12           Gender         female           Color contact carrier         black           Coding         A           No. of poles         5           PIN 1         +           PIN 2         NC S 2	Family construction form	free cable end
Gender         female           Color contact carrier         black           Coding         A           No. of poles         5           PIN 1         +           PIN 2         NC S 2	No. of poles	19
Color contact carrier         black           Coding         A           No. of poles         5           PIN 1         +           PIN 2         NC S 2	Family construction form	M12
Coding         A           No. of poles         5           PIN 1         +           PIN 2         NC S 2	Gender	female
No. of poles         5           PIN 1         +           PIN 2         NC S 2	Color contact carrier	black
PIN 1 + PIN 2 NC S 2	Coding	A
PIN 2 NC S 2	No. of poles	5
	PIN 1	+
PNIC	PIN 2	NC S 2
PIN 3 -	PIN 3	-
PIN 4 NO S 1	PIN 4	NO S 1
PIN 5 PE	PIN 5	PE