

EXACT12, 8XM12, 4 POLE MOULDED CABLE

15.0m PUR 8x0.5+3x1.0 UL/CSA

8-way, 4-pole

Further cable lengths on request.

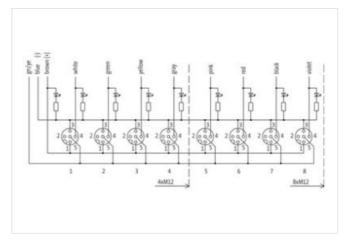
Plastic housings with good resistance against chemicals and oils.

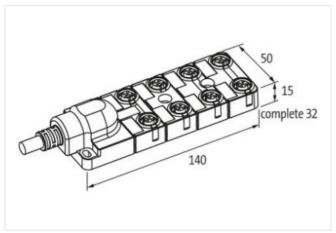
The resistance to aggressive media should be individually tested for your application. Further details on request.

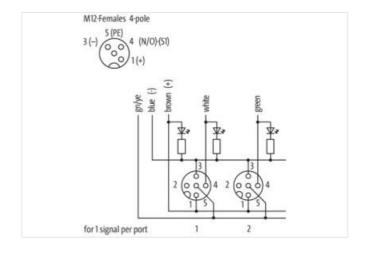
Link to Product

Illustration









Product may differ from Image









Commercial data		
ECLASS-6.0	27143423	
ECLASS-6.1	27279219	
ECLASS-7.0	27279219	
ECLASS-8.0	27279219	
ECLASS-9.0	27440108	

The information in this Product-PDF has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-05



stay connected

E01.400.40.4	07440400
ECLASS-10.1	27440108
ECLASS-11.1	27440108
ECLASS-12.0 ETIM-5.0	27440108
customs tariff number	EC002585 85444290
GTIN	
	4048879308984
Packaging unit	1
Electrical data Supply	
Operating voltage DC	24 V
Current operating per contact max.	4 A
Installation Connection	
Mounting set	M12 x 1
Device protection Electrical	
Degree of protection (EN IEC 60529)	IP65, IP67
<u> </u>	
Device protection Media	
Flame resistance	flame retardant
Mechanical data Material data	
Material housing	Plastic
Mechanical data Mounting data	
Mounting method	Schraubgewinde
Environmental characteristics Climatic	
Operating temperature min.	-20 °C
Operating temperature max.	70 °C
Additional condition temperature range	depending on cable quality
Installation Cable	
Cable identification	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.	
Amount stranding (type 2)	51 mm
	51 mm 1
Stranding (type 2)	
Stranding (type 2) Stranding factor min. (type 2)	1
	1 9 wires around Stranding combination counter-rotating twisted
Stranding factor min. (type 2)	1 9 wires around Stranding combination counter-rotating twisted 100 mm
Stranding factor min. (type 2) Stranding factor max. (type 2)	1 9 wires around Stranding combination counter-rotating twisted 100 mm 100 mm
Stranding factor min. (type 2) Stranding factor max. (type 2) Filler	1 9 wires around Stranding combination counter-rotating twisted 100 mm 100 mm yes
Stranding factor min. (type 2) Stranding factor max. (type 2) Filler wire arrangement	1 9 wires around Stranding combination counter-rotating twisted 100 mm 100 mm yes white, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet)
Stranding factor min. (type 2) Stranding factor max. (type 2) Filler wire arrangement Cable weigth	1 9 wires around Stranding combination counter-rotating twisted 100 mm 100 mm yes white, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet) 146,3 g/m
Stranding factor min. (type 2) Stranding factor max. (type 2) Filler wire arrangement Cable weigth Material jacket	1 9 wires around Stranding combination counter-rotating twisted 100 mm 100 mm yes white, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet) 146,3 g/m PUR
Stranding factor min. (type 2) Stranding factor max. (type 2) Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	1 9 wires around Stranding combination counter-rotating twisted 100 mm 100 mm yes white, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet) 146,3 g/m PUR 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free 9,4 mm
Stranding factor min. (type 2) Stranding factor max. (type 2) Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	1 9 wires around Stranding combination counter-rotating twisted 100 mm 100 mm yes white, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet) 146,3 g/m PUR 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free 9,4 mm ± 5 %
Stranding factor min. (type 2) Stranding factor max. (type 2) Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	1 9 wires around Stranding combination counter-rotating twisted 100 mm 100 mm yes white, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet) 146,3 g/m PUR 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free 9,4 mm
Stranding factor min. (type 2) Stranding factor max. (type 2) Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	1 9 wires around Stranding combination counter-rotating twisted 100 mm 100 mm yes white, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet) 146,3 g/m PUR 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free 9,4 mm ± 5 %
Stranding factor min. (type 2) Stranding factor max. (type 2) Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	1 9 wires around Stranding combination counter-rotating twisted 100 mm 100 mm yes white, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet) 146,3 g/m PUR 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free 9,4 mm ± 5 % TPE-E
Stranding factor min. (type 2) Stranding factor max. (type 2) 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	1 9 wires around Stranding combination counter-rotating twisted 100 mm 100 mm yes white, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet) 146,3 g/m PUR 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free 9,4 mm ± 5 % TPE-E 8 1,8 mm ± 5 %
Stranding factor min. (type 2) Stranding factor max. (type 2) 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	1 9 wires around Stranding combination counter-rotating twisted 100 mm 100 mm yes white, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet) 146,3 g/m PUR 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free 9,4 mm ± 5 % TPE-E 8 1,8 mm ± 5 % 55 ± 3 Shore D
Stranding factor min. (type 2) Stranding factor max. (type 2) 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	1 9 wires around Stranding combination counter-rotating twisted 100 mm 100 mm yes white, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet) 146,3 g/m PUR 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free 9,4 mm ± 5 % TPE-E 8 1,8 mm ± 5 %



Conductor crosssection (wire) 0.5 mm² Material conductor wire Stranded copper wire, baire Conclutor by the (wire) strand doss 6 Material wire insulation (plata) TPE-E Out-off climation in insulation (plata) 5.5 % Tolerance caser dismeter wire insulation (plata) 5.5 % Impredient freeness wire insulation (plata) 5.5 % Amount wires (Data) 3 Amount wires (Data) 182 Dameter of single wires (Pata) 1.7 mm² Material conductor wire (Pata) 1.7 mm² Macerial conductor wire (Pata) 5 stranded copper wire, baire Wire conductor (yee) (Data) 1 mm² Macerial conductor wire (Pata) 5 stranded copper wire, bare Wire conductor (yee) (Data) 1 mm² Max. radia voltage (conductor - opcound) 300 V Current (bad capacity min. Wire 5.9 A Current (bad capacity min. wire 5.9 A Current (bad capacity min. wire (Data) 15 A Electrical resistance in lice constant wire (Data) 2 N/ @ 60 s Good American selection (yee (wire - wire) 2 N/ @ 60 s	Diameter of single wires	0,1 mm
Material conductor wine Shranded copper wine, barre Conductor type (wine) strand class 6 Material wine insulation (Data) TPE-E Outer diameter wine insulation (Data) 55 ± 3 Shore D Ingredient freeness wire insulation (Data) 55 ± 3 Shore D Ingredient freeness wire insulation (Data) 36 ± 3 Shore D Ingredient freeness wire insulation (Data) 188 Amount strands were (Data) 188 Amount strands were (Data) 1 mm² Contractor or single wires (Data) 1 mm² Contractor or sessection wire (Data) 1 mm² Contractor or sessection wire (Data) 1 mm² Max rated voltage (conductor - conductor) 500 V Max rated voltage (conductor - conductor) 500 V Max rated voltage (conductor - conductor) 500 V Current load capacity min. Wire (Data) 15 A Electrical resistance ince constant wire 39 Ørm @ 20 °C Electrical resistance ince constant wire 39 Ørm @ 20 °C Electrical resistance wire vires in constant wire 2 kW @ 80 s Power frequency withstand vollage (wire - wire) 2 kW @ 80 s Power f		<u> </u>
Candisator type (virie) strand class 6		·
Material wire insulation (Data) TPE-E Outer diameter wire insulation (Data) 2.1 mm Toferance outer diameter wire insulation (Data) 55 ± 3 Shore D Forenze outer diameter wire insulation (Data) 55 ± 3 Shore D Inception freeness wire insulation (Data) 18 ± 3 Shore D Inception freeness wire insulation (Data) 18 Amount strands wire (Data) 18 Diameter of single wires (Data) 1 mm² Canductor crosssection wire (Data) 5 stranded copper wire, barre Wire conductor type (Data) stranded case 6 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor) 500 V Current load capacity (standard) to DIN VDE 0298 4 Current load capacity min. Wire (Data) 5 S A Electrical resistance line constant wire 39 Dkm @ 20 °C Electrical resistance coating wire (Data) 20 Dkm @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withStand voltage (wire - wire) 2 kV @ 60 s Operating temperature mix. (dynamic) 40 °C Operating temperature mix. (dynamic) 40 °C	Conductor type (wire)	
Outer diameter wire insulation (Data) 2,1 mm Tolerance outer diameter wire insulation (Data) 55 % Shore hardness wire insulation (Data) 55 2 \$ 8 hore D Ingredient fleeness wire insulation (Data) 184 4 Manual		TPE-E
Tolerance outer diameter wire insulation (data) ± 5 %		2,1 mm
Shore hardness wire insulation (Data) 55 ± 3 Shore D lead-fine, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free		±5%
Amount wires (Data) 3 Amount strands wire (Data) 128 Amount strands wire (Data) 128 Diameter of single wires (Data) 1 nm² Material conductor wire (Data) 1 nm² Material conductor wire (Data) 5 randed copper wire, bare Wire conductor type (Data) 5 rand class 6 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 700 V Current load capacity (standard) 700 NN VDE 0288-4 Current load capacity (standard) 700 NN VDE 0288-4 Current load capacity min. Wire 700 NN VDE 0288-4 Electrical resistance ine constant wire 700 NN VDE 0288-4 Electrical resistance costing wire (Data) 700 NN VDE 0288-4 Electrical resistance costing wire (Data) 700 NN VDE 0288-4 Electrical resistance costing wire (Data) 700 NN VDE 0288-4 Electrical resistance costing wire (Data) 700 NN VDE 0288-4 Electrical resistance costing wire (Data) 700 NN VDE 0288-4 Electrical resistance costing wire (Data) 700 NN VDE 0288-4 Electrical resistance costing wire (Data) 700 NN VDE 0288-4 Electrical resistance costing wire (Data) 700 NN VDE 0288-4 Electrical resistance costing wire (Data) 700 NN VDE 0288-4 Electrical resistance costing wire (Data) 700 NN VDE 0288-4 Electrical resistance costing wire (Data) 700 NN VDE 0288-4 Electrical resistance costing wire (Data) 700 NN VDE 0288-4 Electrical resistance (Numerical VDE 0280 NN VDE 0280 NDE 0280 NN VDE 0280 NN VDE 0280 NDE		
Amount strands wire (Data) 128 Diameter of single wires (Data) 0,1 mm Conductor crossession wire (Data) 1 mm² 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 trian, wire 5.9 A Current load capacity min. Wire (Data) 15 A Electrical resistance line constant wire 39 Clkm @ 20 °C Electrical resistance coating wire (pata) 20 Clkm @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV @ 60 s AC withstand voltage (wire - wire) 2 kV @ 60 s Min. operating temperature (static) 40 °C Min. operating temperature (static) 90 °C Operating temperature min. (dynamic) 90 °C Operating temperature (static) 90 °C <td>Ingredient freeness wire insulation (Data)</td> <td>lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free</td>	Ingredient freeness wire insulation (Data)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free
Diameter of single wires (Data) 0,1 mm Conductor crosssection wire (Data) 1 mm² Mize conductor type (Data) Stranded copper wire, bare Wire conductor type (Data) Stranded copper wire, bare Wire conductor type (Data) 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 coating wire (Data) 20 C/km @ 20 °C Electrical resistance coating wire (Data) 20 C/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 Powering temperature (static) -40 °C Max. operating temperature (fixed) 90 °C Operating temperature max. (dynamic) 90 °C Flame resistance Good, application-related testing Oil resistance Good, application-related testing DiN EN 60811-404 Bending radius (fixed) x Outer diameter <td< td=""><td>Amount wires (Data)</td><td>3</td></td<>	Amount wires (Data)	3
Conductor crosssection wire (Data) 1 mm² Materiai 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 - conductor) 500 V Current load capacity strandard) to DIN VDE 0298-4 Current load capacity strandard) to DIN VDE 0298-4 Current load capacity min. wire 5,9 A Current load capacity min. Wire (Data) 15 A Electrical resistance coating wire (Data) 20 Ω/km @ 20 °C Electrical resistance coating wire (Data) 2 kV @ 60 s Power frequency 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 Power frequency 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 Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 90 °C Operat	Amount strands wire (Data)	128
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 (Data) 15 A Current load capacity min. Wire (Data) 15 A Electrical resistance los constant wire 39 Ωkm @ 20 °C Electrical resistance lose constant wire 2 kV @ 60 s Electrical resistance lose constant wire 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Jackel) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Operating temperature max. (ymamic) 90 °C Gasoline resistance Good, application-related testing Oil resistance Good, applic	Diameter of single wires (Data)	0,1 mm
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 (Data) 15 A Electrical resistance line constant wire (Data) 39 Ω/km @ 20 °C Electrical resistance coating wire (Data) 20 Ω/km @ 20 °C Power frequency 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 Power frequency 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 Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Bower frequency 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 Brown frequency withstand voltage (wire - wire) 90 °C Power frequency withstand voltage (wire - wire)	Conductor crosssection wire (Data)	1 mm ²
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) 2 k V @ 60 s Power frequency withstand voltage (wire - wire) 2 k V @ 60 s Power frequency withstand voltage (wire - wire) 2 k V @ 60 s Power frequency withstand voltage (wire - wire) 40 °C Min. operating temperature (fixed) 90 °C Operating temperature (fixed) 90 °C Operating temperature max. (dynamic) 90 °C Operating temperature max. (dynamic) 90 °C Chemical resistance 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 Bending radius (installation) x Outer diameter Bending radius (fixed) 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 5,9 A Current load capacity min. Wire (Data) 15 A Electrical resistance inconstant wire 39 Ω/km @ 20 °C Electrical resistance coating wire (Data) 20 Ω/km @ 20 °C AC writhstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) 40 °C Min. operating temperature (static) 40 °C Max. operating temperature min. (dynamic) 90 °C Operating temperature max. (dynamic) 90 °C Operating temperature max. (dynamic) 90 °C Gasoline resistance Good, application-related testing Gil resistance Good, application-related testing Gil resistance Good, application-related testing Oil resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Bending radius (fixed) x Outer diameter Bending radius (fixed) x Outer diameter Tawel s	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 (Dtat) 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 - isoket) 40 °C Min. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) 90 °C Operating temperature max. (dynamic) 90 °C Flame resistance U. I. 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 hemical 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 (installation) x Outer diameter Bending radius (yoyamic) 10 x Outer diameter Bending radius (yoyamic) 5 Mio. @ 25 °C Conception type 2 Family construction form free cable end No. of poles 11 <td>Max. rated voltage (conductor - conductor)</td> <td>500 V</td>	Max. rated voltage (conductor - conductor)	500 V
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 - isoket) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (iked) 90 °C Operating temperature min. (dynamic) 40 °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 Oil resistance Good, application-related testing Bending radius (installation) x Outer diameter Bending radius (fixed) x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C Conception type 2 Family construction form free cable end No. of poles 11 Fa		300 V
Current load capacity min. Wire (Data) 15 A Electrical resistance loc constant wire 39 O/km @ 20 °C Electrical resistance coating wire (Data) 20 O/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) 40 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) 40 °C Operating temperature max. (dynamic) 90 °C 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 Oli resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) x Outer diameter Bending radius (fixed) 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	Current load capacity (standard)	to DIN VDE 0298-4
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 max. (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 (fixed) 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	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 - acket) 2 kV @ 60 s [Acket] Acket (See See See See See See See See See Se	Current load capacity min. Wire (Data)	15 A
AC withstand voltage (wire - wire) 2 kV ⊚ 60 s Power frequency withstand voltage (wire - jacket)	Electrical resistance line constant wire	39 Ω/km @ 20 °C
Power frequency withstand voltage (wire jacket) 2 kV ⊚ 60 s jacket) 40 °C Min. 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 DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) x Outer diameter Bending radius (fixed) x Outer diameter Bending radius (fixed) x Outer diameter Tavel speed (C-track) 5 Mio. @ 25 °C Connection type 2 Family construction form 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.	Electrical resistance coating wire (Data)	20 Ω/km @ 20 °C
Acket Min. operating temperature (static)	AC withstand voltage (wire - wire)	2 kV @ 60 s
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 Gil 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 Fearily construction form 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		2 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature decays application-related testing operating Operating temperature decays application-related testing Operating testing testing O	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 DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) x Outer diameter Bending radius (dynamic) 10 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	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) 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	Operating temperature min. (dynamic)	-40 °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) 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	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) 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	Flame resistance	UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090
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	chemical resistance	Good, application-related testing
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	Gasoline resistance	Good, application-related testing
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	Oil resistance	Good, application-related testing DIN EN 60811-404
Bending radius (dynamic)	Bending radius (installation)	x Outer diameter
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	Bending radius (fixed)	x Outer diameter
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	Bending radius (dynamic)	10 x Outer diameter
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	Travel speed (C-track)	5 Mio. @ 25 °C
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	Connection type 2	
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	Family construction form	free cable end
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	No. of poles	11
Color contact carrier black Coding A No. of poles 4 PIN 1 + PIN 2 n.c. PIN 3 - PIN 4 NO S 1	Family construction form	M12
Coding A No. of poles 4 PIN 1 + PIN 2 n.c. PIN 3 - PIN 4 NO S 1	Gender	female
No. of poles 4 PIN 1 + PIN 2 n.c. PIN 3 - PIN 4 NO S 1	Color contact carrier	black
PIN 1 + PIN 2 n.c. PIN 3 - PIN 4 NO S 1	Coding	A
PIN 2 n.c. PIN 3 - PIN 4 NO S 1	No. of poles	4
PIN 3 - NO S 1	PIN 1	+
PIN 4 NO S 1	PIN 2	n.c.
	PIN 3	-
PIN 5 PE	PIN 4	NO S 1
	PIN 5	PE