

## **EXACT12, 8XM12, 5-POLE, MOULDED CABLE**

10.0m PUR 16x0,5+3x1,0

8-way, 5-pole 10.0 m without LED, up to 125 V AC/DC Further cable lengths on request.

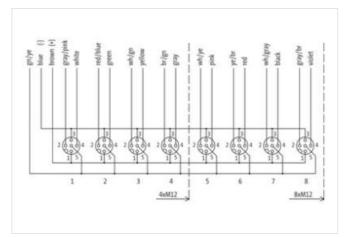
Plastic housings with good resistance against chemicals and oils.

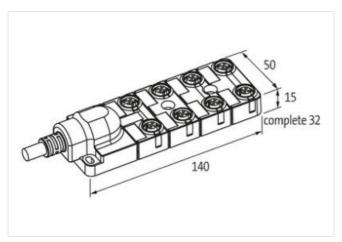
The resistance to aggressive media should be individually tested for your application. Further details on request.

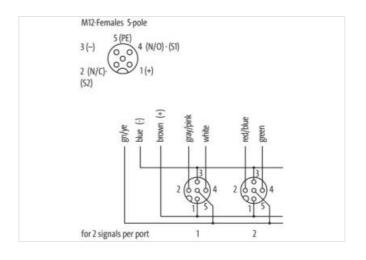
## **Link to Product**

## Illustration









Product may differ from Image









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

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: 2024-05-07



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ECLASS-9.0	27440108
ECLASS-10.1	27440108
ECLASS-11.1	27440108
ECLASS-11.1 ECLASS-12.0	27440108
ETIM-5.0	EC002585
customs tariff number	85444290
GTIN	4048879053877
Packaging unit	1
Electrical data   Supply	·
	105.17
Operating voltage AC Operating voltage DC	125 V
	4 A
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
Device protection   Media	
Flame resistance	flame retardant
Mechanical data   Material data	
Material housing	Plastic
Mechanical data   Mounting data	
Mounting method	Schraubgewinde
Environmental characteristics   Climatic	
·	-20 °C
Operating temperature min.	70 °C
Operating temperature max.  Additional condition temperature range	depending on cable quality
	depending on cable quality
Installation   Cable	
Cable identification	452
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	7 wires around Core filler twisted
Amount stranding (type 2)	1
Stranding (type 2)	12 wires counter-rotating twisted
Banding	Fleece
Filler	yes
wire arrangement	gray-pink, brown-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet)
Cable weigth	231 g/m
Material jacket	PUR
Shore hardness jacket	94 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free
Outer-diameter (jacket)	11,5 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	TPE-E
Amount wires	16
Outer diameter insulation	1,6 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	55 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free, silicone-free, LABS-free
Amount strands (wire)	64



stay connected

Conductor crosssection (wire)         0,5 mm²           Traversing distance (C-track)         5 m @ 25° C           Material conductor vive         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Material wire insulation (Data)         2,1 mm           Tolerance outer clameter wire insulation (Data)         2,1 mm           Tolerance outer clameter wire insulation (Data)         55 ° S Shore D           Impredient freeness wire insulation (Data)         156 ° S Shore D           Impredient freeness wire insulation (Data)         184 ° S S S Shore D           Impredient freeness wire insulation (Data)         184 ° S S Shore D           Impredient freeness wire insulation (Data)         184 ° S S Shore D           Impredient freeness wire insulation (Data)         184 ° S S Shore D           Impredient freeness wire insulation (Data)         184 ° S S Shore D           Impredient freeness wire insulation (Data)         184 ° S S Shore D           Impredient freeness wire insulation (Data)         184 ° S S Shore D           Impredient freeness wire insulation (Pata)         18 ° S S Shore D           Impredient freeness wire insulation (Pata)         18 ° S S Shore D           Bill Marker (Data)         18 ° S S Shore D           Bill Marker (Data)         18 ° S S S S Shore D           Mile C	Diameter of single wires	0.1 mm
Traversing distance (C-track)         5 m @ 25 °C           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         stranded copper           Material wire insulation (Data)         TPE-E           Outer diameter wire insulation (Data)         1 mm           Tolerance outer diameter wire insulation (Data)         5 %           Shore hardness wire insulation (Data)         55 ± 5 Shore D           Inception fromess wire insulation (Data)         15 ± 5 Shore D           Inception fromess wire insulation (Data)         128           Amount strands wire (Data)         128           Diameter of single wires (Data)         1 mm²           Material conductor wire (Data)         1 mm²           Wire conductor type (Data)         stranded copper wire, bare           Wire conductor year (Data)         5 mm²           Wire conductor year (Data)         stranded class 6           Max. rated voltage (conductor - conductor)         300 V           Current Load capacity (sit andard)         10 DN VDE 0298 4           Current Load capacity min. Wire (Data)         15 A           Electrical resistance (southing wire (Data)         30 N W           Electrical resistance (with a wire (Data)         20 N W @ 0 °           Current load capacity min. Wire (Data)		•
Material conductor wire Conductor type (wire) strand class 6  Conductor type (wire) strand class 8  Amount wire insulation (Data) TPE-E  Outer clameter wire insulation (Data) Tolerance outer diameter wire insulation (Data) Ingredient freeness wire insulation (Data)	, ,	·
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)         5.5 % Shore but make the insulation (Data)         5.5 % Shore D           Inceptation feeness wire insulation (Data)         5.5 % Shore D         Inceptation feeness wire insulation (Data)         Inceptation feeness wire insulation (		
Material wire insulation (Data)         TPE-E           Outer diameter wire insulation (Data)         2,1 mm           Tolerance outer diameter wire insulation (Data)         5 %           Shore hardness wire insulation (Data)         55 ± 5 Shore D           Ingredient freeness wire insulation (Data)         1 sead-free, halogen-free, silicone-free, LABS-free           Amount viers (Data)         3           Amount strands wire (Data)         1 mm²           Diameter of single wires (Data)         1 mm²           Meterial conductor wire (Data)         1 mm²           Meterial conductor wire (Data)         Stranded copper wire, bare           Wire conductor fype (Data)         5 mm²           Max. rated voitage (conductor - conductor)         300 V           Max. rated voitage (conductor - ground)         300 V           Max. rated voitage (conductor - ground)         300 V           Current load capacity min. wire         5.9 A           Current load capacity min. wire         5.9 A           Current load capacity min. wire (Data)         15 A           Electrical resistance lone constant wire (Data)         20 r0km @ 20 °C           AC withstand voitage (wire - wire)         2 V/ @ 60 s           Power freequency withstand voltage (wire - ground)         40 °C           Max. operating temperature mi		
Outer diameter wire insulation (Data)         2,1 mm           Tolerance outer diameter wire insulation (Data)         ± 5 % 5 £ 5 Shore D           Ingredient freeness wire insulation (Data)         lead-free, halogen-free, LABS-free           Amount wires (Data)         3           Amount wire (Data)         128           Diameter of single wires (Data)         0,1 mm           Conductor crosssection wire (Data)         1 mm²           Makeriad conductor wire (Data)         strand class 6           Max. rated voltage (conductor - conductor)         300 V           Max. rated voltage (conductor - conductor)         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         3.9 Ω/km @ 20 °C           Electrical resistance (wire - conductor)         2 kW @ 60 s           AC withstand voltage (wire - collable)         2 kW @ 60 s           Electrical resistance coaling wire (Data)         2 kW @ 60 s           Min. operating temperature (fixed)         90 °C           Operating temperature max. (dynamic)         90 °C           Operating temperature max. (dynamic)         90 °C           Operating temperature max.		
Tolerance outer diameter wire insulation (data) ± 5 % Shore kardness wire insulation (Data)	,	
Shore hardness wire insulation (Data)         55 ± 5 Shore D           Ingrecient freeness wire insulation (Data)         lead-free, halogen-free, silicone-free, LABS-free           Amount wires (Data)         3           Amount strands wire (Data)         128           Diameter of single wires (Data)         0.1 mm           Material conductor wire (Data)         Stranded copper wire, bare           Wire conductor type (Data)         Stranded copper wire, bare           Wire conductor type (Data)         strand class 6           Max. rated vollage (conductor - ground)         300 V           Max. rated vollage (conductor - ground)         300 V           Current load capacity (strandard)         to DIN VDE 0298-4           Current load capacity min. Wire (Data)         15 A           Electrical resistance line constant wire         59 A           Electrical resistance coating wire (pata)         20 Mm @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Min. operating temperature (fixed)         90 °C           Operating temperature (fi		•
Ingredient freeness wire insulation (Data)   lead-free, halogen-free, silicone-free, LABS-free   Amount wires (Data)   3   3   3   3   3   3   3   3   3		
Amount wires (Data) 3 Amount strands wire (Data) 128 Diameter of single wires (Data) 0.1 mm Conductor crossection wire (Data) 1 mm² Material conductor wire (Data) Stranded copper wire, bare Wire conductor vire (Data) Stranded Copper wire, bare Uzurent load capacity conductor vire Sp A Current load capacity min. Wire (Data) 15 A Electrical resistance line constant wire 39 Ω/km @ 20 °C Electrical resistance line constant wire 39 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kW @ 60 s  Power frequency withstand voltage (wire - wire) 2 kW @ 60 s  Min. operating temperature (fixed) 90 °C  Querating temperature (fixed) 90 °C  Querating temperature min. (dynamic) -20 °C  Querating temperature min. (dynamic) -20 °C  Querating temperature min. (dynamic) 90 °C  Flame resistance Good, application-related testing  Gaoline resistance Good, application-related testing  Oil resistance Good, application-related testing  Oil resistance Good, application-related testing  Eending radius (fixed) 8 x Outer diameter  Bending radius (fixed) 8 x Outer diameter  Bending radius (fixed) 8 x Outer diameter  Flame resistance Good on the service of the servic		
Amount strands wire (Data)         128           Diameter of single wires (Data)         0,1 mm           Conductor crosssection wire (Data)         1 mm²           Material conductor wire (Data)         Stranded copper wire, bare           Wire conductor type (Data)         strand class 6           Max. rated voltage (conductor - ground)         300 V           Max. rated voltage (conductor - ground)         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         5,9 A           Current load capacity min. wire (Data)         15 A           Electrical resistance osing wire (Data)         20 Ω/km @ 20 °C           Electrical resistance coating wire (Data)         20 Ω/km @ 20 °C           Electrical resistance 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           Max. operating temperature (static)         -40 °C           Max. operating temperature (static)         -40 °C           Max. operating temperature (static)         -40 °C           Power frequency withstand voltage (wire - wire)         20 °C           Operating temperature (static)         -40 °C           Max. operating		<del>-</del>
Diameter of single wires (Data)   0,1 mm	,	
Conductor crosssection wire (Data)         1 mm²           Material conductor wire (Data)         Stranded copper wire, bare           Wire conductor type (Data)         strand class 6           Max. rated voltage (conductor - conductor)         300 V           Max. rated voltage (conductor - ground)         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         5,9 A           Current load capacity min. Wire (Data)         15 A           Electrical resistance constant wire         39 Ω/km @ 20 °C           Electrical resistance coating wire (Data)         20 Ω/km @ 20 °C           Electrical resistance 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           Max. operating temperature (fixed)         90 °C           Operating temperature min. (dynamic)         -20 °C           Operating temperature max. (dynamic)         -20 °C           Coperating temperature max. (dynamic)         90 °C           Eleme resistance         UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090           chemical resistance         Good, application-related testing           Gascline resistance         Good, application-relate		
Material conductor wire (Data)         Stranded copper wire, bare           Wire conductor type (Data)         strand class 6           Max. rated voltage (conductor - conductor)         300 V           Max. ariad 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 k V @ 60 s           Power frequency withstand voltage (wire - including (wire - inclu		·
Wire conductor type (Data)         strand class 6           Max. rated voltage (conductor - conductor)         300 V           Max. rated voltage (conductor - ground)         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         5,9 A           Current load capacity min. Wire (Data)         15 A           Electrical resistance line constant wire         39 Ω/km @ 20 °C           Electrical resistance coating wire (Data)         20 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - glacket)         2 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         90 °C           Operating temperature max. (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           Gli resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Bending radius (installation)         x Outer diameter		
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 ince 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           Max. operating temperature min. (dynamic)         -20 °C           Operating temperature min. (dynamic)         -20 °C           Operating temperature max. (dynamic)         90 °C           Flame 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           Family construction form         free cable end		· · · · · · · · · · · · · · · · · · ·
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 - glacket)         40 °C           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         90 °C           Operating temperature max. (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           Oil 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)         8 x Outer diameter           Bending radius (fixed)         8 x Outer diameter           Family construction form         fee cable end		
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 - jacket) 40 °C  Max. operating temperature (static) -40 °C  Max. operating temperature (fixed) 90 °C  Operating temperature max. (dynamic) 90 °C  Operating temperature max. (dynamic) 90 °C  Islame resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Gasoline radius (fixed) 8 x Outer diameter  Bending radius (sitsallation) 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		
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 - iacket)         2 kV @ 60 s           Min. operating temperature (fixed)         90 °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 (sinstallation)         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		
Current load capacity min. Wire (Data)  Electrical resistance line constant wire  39 Ω/km @ 20 °C  Electrical resistance coating wire (Data)  AC withstand voltage (wire - wire)  2 kV @ 60 s  Power frequency withstand voltage (wire - jacket)  40 °C  Max. operating temperature (static)  40 °C  Max. operating temperature (fixed)  90 °C  Operating temperature min. (dynamic)  2 b °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)  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  Cender  Color contact carrier  black  Coding  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 - iacket) 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  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  Bending radius (dynamic) 10 x Outer diameter  Fravel 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		·
Electrical resistance coating wire (Data)         20 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - jacket)         2 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         90 °C           Operating temperature min. (dynamic)         -20 °C           Operating temperature max. (dynamic)         90 °C           Flame resistance         UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oil resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (installation)         x Outer diameter           Bending radius (fixed)         8 x Outer diameter           Bending radius (dynamic)         10 x Outer diameter           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	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  Min. operating temperature (fixed) 90 °C  Operating temperature min. (dynamic) -20 °C  Operating temperature min. (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  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	Electrical resistance line constant wire	
Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  90 °C  Operating temperature min. (dynamic)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Oo °C  Oo oo, application-related testing  Oo oo, 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  Gender  female  Color contact carrier  black  Coding  A	Electrical resistance coating wire (Data)	20 Ω/km @ 20 °C
jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  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	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  Oil resistance Good, application-related testing  Oil resistance Good, application-related testing  Oil resistance Good, application-related testing  Pending 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		2 kV @ 60 s
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 Giresistance 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	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	Max. operating temperature (fixed)	90 °C
Flame resistance	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	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	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) 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	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	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	Oil resistance	Good, application-related testing   DIN EN 60811-404
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	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	Bending radius (fixed)	8 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	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	Travel speed (C-track)	5 Mio. @ 25 °C
No. of poles 19 Family construction form M12 Gender female Color contact carrier black Coding A	Connection type 2	
Family construction form M12 Gender female Color contact carrier black Coding A	Family construction form	free cable end
Gender female Color contact carrier black Coding A	No. of poles	19
Color contact carrier black Coding A	Family construction form	M12
Coding A	Gender	female
<u> </u>	Color contact carrier	black
<u> </u>	Coding	A
No. or poles	No. of poles	5
·	PIN 1	
PIN 2 NC S 2		
PIN 3 -		
PIN 4 NO S 1		
PIN 5 PE	PIN 5	