

## Exact12, 8xM12, 5-pole, moulded cable

5.0m PUR 16x0.5+3x1.0, UL/CSA

8-way, 5-pole 5.0 m

ATEX Zone 2 and 22

Further cable lengths on request.

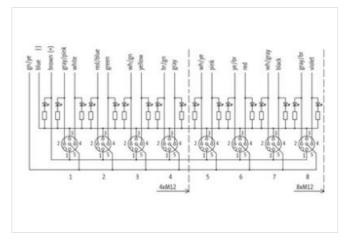
Plastic housings with good resistance against chemicals and oils.

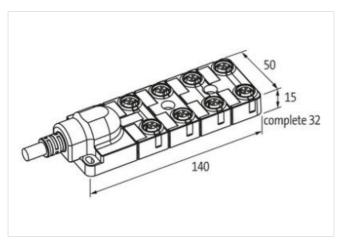
The resistance to aggressive media should be individually tested for your application. Further details on request.

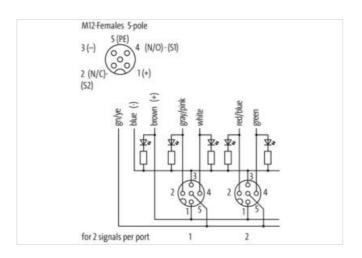
## **Link to Product**

## Illustration









Product may differ from Image











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



stay connected

ECLASS-10.1         27440108           ECLASS-11.1         27440108           ECLASS-12.0         27440108           ETIM-S.0         EC001855           customs tariff number         85444290           GTIN         4048879655620           Packaging unit         1           Electrical data   Supply         1           Operating voltage DC         24 V           Current operating per contact max.         4 A           Installation   Connection         Mounting set           Mounting set         M12 x 1           Device protection   Electrical         Pegree of protection   Electrical           Degree of protection (EN IEC 60529)         IP65, IP67           Device protection   Media         Flame resistance           Material housing         Plastic           Mochanical data   Material data         Motherial housing           Mechanical data   Mounting data         Mounting method           Schraubgewinde         Environmental characteristics   Climatic           Operating temperature min.         -20 °C           Operating temperature max.         40 °C           Additional condition temperature range depending on cable quality           Installation   Cable           Cable identification         452		
ECLASS-12.0         27440106           ECLASS-12.0         27440108           ETMA 5.0         EC001885           custons sarff number         8444290           OTIV         40887955820           Packaging unit         1           Electrical data   Suppy         1           Ourrent operating per contact max.         4 A           Installation   Connection         M12 x 1           Oursel operating per contact max.         4 A           Installation   Connection         M12 x 1           Oursel operating to protection   Electrical         Post PF7           Degree of protection   Electrical         Image: electrical state   From Protection   Electrical           Degree of protection   Media         From Protection   Electrical           Mechanical data   Material data         Marce electrical data   Material data           Mechanical data   Material data         Marce electrical data   Material data           Mechanical data   Material data         Marce electrical data   Material data   Mate	ECLASS-9.0	27440108
ECLASS-12.0         2P440108           ETIM-S.0         EC01855           customs tard further         85444290           OTIN         4048879859820           Packaging unt         1           Electrical data   Supply         Verant operating per contact max.           Operating vallage DC         24 V           Institution   Connection         Mounting set           Mounting set         M12 x 1           Device protection   Electrical Device		
ETIM 5.0         ECO01955           customs failf number         8544230           GTIN         404887965520           Packaging unit         1           Electrical data I Supply         Current operating per contact max.         4 A           Current operating per contact max.         4 A           Mounting set         M12 x 1           Device protection I Electrical         Post, Per 7           Mechanical Atta Material Acta         Manual Material Acta           Mechanical Atta Material Acta         Manual Material Acta           Mounting method         Schraubgewinde           Postaling impenduter min.         -20 °C           Operating impenduter min.		
customs tariff number         85444230           GTIN         4046879655620           Peckaging unit         1           Electrical data   Supply           Operatiny voltage DC         24 V           Current operating per contact max.         4 A           Installation   Connection         Murring set         M12 x I           Device protection   Electrical         Device protection   Electrical           Device protection   Murring set         Image: March and American		
CTIN         4048879655620           Paskaging unt         1           Electrical data   Supply         Courrent coperating per contact max.         4 A           Current coperating per contact max.         4 A           Installation   Connection         Muscand per contact max.           Mounting set         M12 x 1           Device protection   Electrical         Post, P67           Device protection   Medical per contact max.         M65, P67           Place resistance         flane retardant           Mechanical data   Mauriting data         M64 may be contacted at the contact of the		
Packaging unit   1   1   1   1   1   1   1   1   1		
Part		
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           Device protection   Modina         Plant resistance         flame retardant           Mechanical datal   Material data         Material housing         Plastic           Mechanical datal   Mounting data         Mounting method         Schraubgewinde           Environmental characteristics   Climatic         Coperating temperature min.         20 °C           Operating temperature minx.         40 °C         Additional condition temperature range depending on cable quality           Additional condition   Cable         Cable identification         452           Jacksto Color         gray         gray           Type of Cestificate         cUPus           Amount stranding         1         2 wires around Core filler twisted           Amount stranding (type 2)         1         2 wires around core filler twisted           Stranding (type 2)         1         2 wires around core filler twisted           Stranding (type 2)         1         2 wires around core filler twisted           Amount stranding (type 2)         1         2 wires arou		1
Current operating per contact max.   4 A     Installation   Connection		
Mounting set		
Mounting set M12 x 1  Device protection   Electrical  Degree of protection   Electrical  Pages of 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 min. 40 °C  Additional condition temperature range depending on cable quality  Installation   Cable  State identification 452  Jascel Color gray Type of Certificate CURus  Amount stranding 1 1  Stranding (type 2) 12 wires around Core filler twisted  Amount stranding (type 2) 12 wires output protein gray price protein gray price protein gray gray price protein gray gray price protein gray gray gray gray gray gray gray gray	Current operating per contact max.	4 A
Device protection   Electrical  Degree of protection (EN IEC 60529)   IP65, IP67  Device protection   Media  Flame resistance   flame retardant   Mechanical data   Material data   Mechanical data   Material data   Mechanical data   Munting data   Mounting method   Schraubgewinde   Environmental characteristics   Climatic   Operating temperature mix.   -20 °C   Operating temperature mix.   40 °C   Additional condition temperature range   depending on cable quality   Installation   Cable   Cable identification   452   Jacket Color   gray   Type of Cartificate   cURus   Amount stranding   1   Stranding   7 wires around Core filler twisted   Amount stranding (type 2)   1   Stranding   Fleece   Filler   yes   wire arrangement   gray-pink, brown-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown, green-yellow, violet)   Cable weight   231 g/m   Material jacket   PUR   Shore hardness jacket   PUR   Shore in sultation   TPE-E   Amount stranding (type 2)   1,6 mm   Outer diameter (jacket)   1,6 mm   Outer diameter firestation   55 ± 5 Shore D   Ingredient freeness wire insulation   55 ± 5 Shore D   Ingredient freeness wire insulation   56 ± 5 Shore D   Ingredient freeness wire insulation   56 ± 5 Shore D   Ingredient freeness wire insulation   56 ± 5 Shore D   Ingredient freeness wire insulation   16 44   Ingredient freeness wire insulation   16 44	Installation   Connection	
Degree of protection (EN IEC 60529) IP65, IP67  Pevice protection   Media Flame resistance   flame retardant   Mechanical data   Material data   Material housing   Plastic   Mochanical data   Mounting data   Mounting method   Schraubgewinde   Environmental characteristics   Climatic   Operating temperature min.	Mounting set	M12 x 1
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Flame resistance   flame retardant	Degree of protection (EN IEC 60529)	IP65, IP67
Flame resistance   flame retardant	Device protection   Media	
Mechanical data   Material data         Plastic           Mechanical data   Mounting data         Mounting method         Schraubgewinde           Environmental characteristics   Climatio         Environmental characteristics   Climatio           Operating temperature min.         20 °C           Operating temperature max.         40 °C           Additional condition temperature range depending on cable quality         Mount standing           Installation   Cable         Cable identification         452           Jacket Color         gray         Gerifficate         CURus           Amount stranding         1         Stranding (type 2)         1           Stranding (type 2)         1         2         1           Stranding (type 2)         1         2         1         1           Stranding (type 2)         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         2         2         2         2		flame retardant
Material housing         Plastic           Mechanical data   Mounting method         Schraubgewinde           Environmental characteristics   Climatic           Operating temperature min.         -20 °C           Operating temperature max.         40 °C           Additional condition temperature range         depending on cable quality           Installation   Cable         452           Cable identification         452           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         7 wires around Core filler twisted           Amount stranding (type 2)         1           Stranding (type 2)         1 wires counter-rotating twisted           Banding         Fliece           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 weight         231 g/m           Material jacket         PUR           Shore hardness jacket         94 ± 5 Shore A           Freedom from ingredients (jacket)         11.5 mm           Tolerance outer diameter (gleath)         ± 5 %           Mate		
Mechanical data   Mounting method Schraubgewinde  Environmental characteristics   Climatic  Operating temperature min20 °C Operating temperature max. 40 °C Additional condition temperature range depending on cable quality  Installation   Cable  Cable identification	•	Diantia
Mounting method Schraubgewinde  Environmental characteristics   Climatic  Operating temperature min20 °C  Operating temperature max. 40 °C  Additional condition temperature range depending on cable quality  Installation   Cable  Cable identification 452  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 7 vires 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, yink, yellow-white, gray, blue, brown, green-yellow, violet)  Cable weigth 231 g/m  Material jacket PUR  Shore hardness jacket 94± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free  Outer-diameter (jacket) 11,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation TPE-E  Amount wires 16  Outer diameter tolerance core insulation 55± 5 Shore D  Ingredient freeness wire insulation 55± 5 Shore D  Ingredient freeness wire insulation 1ead-free, CFC-free, halogen-free, LABS-free  Amount strands (wire) 64		Plastic
Environmental characteristics   Climatic  Operating temperature min.  -20 °C  Operating temperature max.  40 °C  Additional condition temperature range depending on cable quality  Installation   Cable  Cable identification  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 1,6 mm  Outer diameter tolerance core insulation 55 ± 5 Shore D  Ingredient freeness wire insulation 55 ± 5 Shore D  Ingredient freeness wire insulation 1ead-free, CFC-free, halogen-free, LABS-free  Amount strands (wire) 64		
Operating temperature min.       -20 °C         Operating temperature max.       40 °C         Additional condition temperature range       depending on cable quality         Installation   Cable         Cable identification       452         Jacket Color       gray         Type of Certificate       cURus         Amount stranding       1         Stranding       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 jacket (wire)       16         Outer diameter insulation       1,6 mm         Outer diameter tolerance core insulation	Mounting method	Schraubgewinde
Operating temperature max.  A0 °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) 11 Stranding (type 2) 12 wires counter-rotating twisted  Banding Fleece Filler  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) 11.5 mm  Tolerance outer diameter (sheath) ± 5 % Material wire insulation TPE-E  Amount wires 16 Outer diameter insulation TPE-E  Amount wires 16 Outer diameter insulation 1.6 mm Outer diameter insulation Unter diameter core insulation 1.5 % Shore hardness wire insulation 1.6 mm Outer diameter insulation 1.6 mm Outer diameter insulation 1.7 mm Ingredient freeness wire insulation 1.8 mm Outer diameter insulation 1.9 mm Outer diameter insulation 1.9 mm Outer diameter insulation 1.5 mm Outer diameter insulation 1.5 % Shore hardness wire insulation 1.6 mm Outer diameter insulation 1.7 mm Ingredient freeness wire insulation 1.8 mm Ingredient freeness wire insulation 1.9 mm Ingredient freeness wire insulation 1.5 % Ingredient freeness wire insulation 1.6 mm Ingredient freeness wire insulation 1.7 mm Ingredient freeness wire insulation 1.8 mm Ingre	Environmental characteristics   Climatic	
Additional condition temperature range depending on cable quality  Installation   Cable    Cable identification	Operating temperature min.	-20 °C
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     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 rolerance core insulation     55 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, CFC-free, halogen-free, LABS-free       Amount strands (wire)     64	Operating temperature max.	40 °C
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 PUR  Shore hardness jacket 94 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free  Outer-diameter (sheath) ± 5 %  Material wire insulation TPE-E  Amount wires 16  Outer diameter insulation 1,6 mm  Outer diameter insulation 1,6 mm  Outer diameter insulation 55 ± 5 Shore D  Ingredient freeness wire insulation lead-free, CFC-free, halogen-free, LABS-free  Amount strands (wire) 64	Additional condition temperature range	depending on cable quality
Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 7 wires around Core filler twisted Amount stranding (type 2) 1 Stranding (type 2) 12 wires counter-rotating twisted Banding Fleece Filler yes wire arrangement gray-pink, brown-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet) Cable weigth 231 g/m Material jacket PUR Shore hardness jacket 94 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free Outer-diameter (jacket) 11,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation TPE-E Amount wires 16 Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free, LABS-free Amount strands (wire) 64	Installation   Cable	
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 55 ± 5 Shore D  Ingredient freeness wire insulation lead-free, CFC-free, halogen-free, LABS-free  Amount strands (wire) 64	Cable identification	452
Amount stranding 1 Stranding 7 wires around Core filler twisted  Amount stranding (type 2) 1 Stranding (type 2) 12 wires counter-rotating twisted  Banding Fleece Filler yes wire arrangement gray-pink, brown-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet)  Cable weigth 231 g/m  Material jacket PUR  Shore hardness jacket 94 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free  Outer-diameter (jacket) 11,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation TPE-E  Amount wires 16  Outer diameter insulation 1,6 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 55 ± 5 Shore D  Ingredient freeness wire insulation lead-free, CFC-free, halogen-free, LABS-free  Amount strands (wire) 64	Jacket Color	gray
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 tolerance core insulation ± 5 %  Shore hardness wire insulation 55 ± 5 Shore D  Ingredient freeness wire insulation lead-free, CFC-free, halogen-free, LABS-free  Amount strands (wire) 64	Type of Certificate	cURus
Amount stranding (type 2)  Stranding (type 2)  12 wires counter-rotating twisted  Banding  Fleece  Filler  yes  wire arrangement  Gray-pink, brown-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet)  Cable weigth  Ametrial jacket  PUR  Shore hardness jacket  PUR  Shore hardness jacket  94 ± 5 Shore A  Freedom from ingredients (jacket)  Lead-free, cadmium-free, CFC-free, halogen-free  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  TPE-E  Amount wires  16  Outer diameter insulation  1,6 mm  Outer diameter tolerance core insulation  55 ± 5 Shore D  Ingredient freeness wire insulation  lead-free, CFC-free, halogen-free, LABS-free  Amount strands (wire)  64	Amount stranding	1
Stranding (type 2)  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  55 ± 5 Shore D  Ingredient freeness wire insulation  lead-free, CFC-free, halogen-free, LABS-free  Amount strands (wire)  64	Stranding	7 wires around Core filler twisted
Banding Fleece  Filler yes  wire arrangement gray-pink, brown-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet)  Cable weigth 231 g/m  Material jacket PUR  Shore hardness jacket 94 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free  Outer-diameter (jacket) 11,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation TPE-E  Amount wires 16  Outer diameter insulation 1,6 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 55 ± 5 Shore D  Ingredient freeness wire insulation lead-free, CFC-free, halogen-free, LABS-free  Amount strands (wire) 64	Amount stranding (type 2)	1
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	Stranding (type 2)	12 wires counter-rotating twisted
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	Banding	Fleece
yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet)  Cable weigth  Material jacket  PUR  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Tele-E  Amount wires  16  Outer diameter insulation  The Horm  Outer diameter tolerance core insulation  The Horm  Outer diameter tolerance core insulation  Shore hardness wire insulation  Ingredient freeness wire insulation  Ingredient freeness wire insulation  Amount strands (wire)  64	Filler	yes
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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	Cable weigth	231 g/m
Freedom from ingredients (jacket)  Outer-diameter (jacket)  11,5 mm  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  TPE-E  Amount wires  16  Outer diameter insulation  1,6 mm  Outer diameter tolerance core insulation  55 ± 5 Shore D  Ingredient freeness wire insulation  lead-free, CFC-free, halogen-free, silicone-free, LABS-free  Amount strands (wire)  64	Material jacket	PUR
Outer-diameter (jacket)  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  TPE-E  Amount wires  16  Outer diameter insulation  1,6 mm  Outer diameter tolerance core insulation  55 ± 5 Shore D  Ingredient freeness wire insulation  lead-free, CFC-free, halogen-free, silicone-free, LABS-free  Amount strands (wire)  64	Shore hardness jacket	94 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 %  Material wire insulation TPE-E  Amount wires 16  Outer diameter insulation 1,6 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 55 ± 5 Shore D  Ingredient freeness wire insulation lead-free, CFC-free, halogen-free, silicone-free, LABS-free  Amount strands (wire) 64	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free
Material wire insulation       TPE-E         Amount wires       16         Outer diameter insulation       1,6 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       55 ± 5 Shore D         Ingredient freeness wire insulation       lead-free, CFC-free, halogen-free, silicone-free, LABS-free         Amount strands (wire)       64	Outer-diameter (jacket)	11,5 mm
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	Tolerance outer diameter (sheath)	± 5 %
Outer diameter insulation 1,6 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 55 ± 5 Shore D  Ingredient freeness wire insulation lead-free, CFC-free, halogen-free, silicone-free, LABS-free  Amount strands (wire) 64	Material wire insulation	TPE-E
Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 55 ± 5 Shore D  Ingredient freeness wire insulation lead-free, CFC-free, halogen-free, silicone-free, LABS-free  Amount strands (wire) 64	Amount wires	16
Shore hardness wire insulation 55 ± 5 Shore D  Ingredient freeness wire insulation lead-free, CFC-free, halogen-free, silicone-free, LABS-free  Amount strands (wire) 64	Outer diameter insulation	1,6 mm
Ingredient freeness wire insulation lead-free, CFC-free, halogen-free, silicone-free, LABS-free  Amount strands (wire) 64	Outer diameter tolerance core insulation	± 5 %
Amount strands (wire) 64	Shore hardness wire insulation	55 ± 5 Shore D
	Ingredient freeness wire insulation	
Diameter of single wires 0,1 mm		
	Diameter of single wires	0,1 mm

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: 2024-05-02



Material conductor wire   Stranded copper wire, bare   Conductor type (wire)   carrand class 6   ca	Conductor crosssection (wire)	0,5 mm²
Material wire insulation (Data)   TPE-E	Material conductor wire	Stranded copper wire, bare
Outer diameter wire insulation (Data)         2,1 mm           Toterance outer diameter wire insulation (Data)         55 % Shore D           Norther hardwess wire insulation (Data)         55 % Shore D           Ingredient freeness wire insulation (Data)         3           Amount wires (Data)         3           Amount strands were (Data)         128           Diameter of single wires (Data)         1 mm²           Malerial conductor wire (Data)         \$ smooth (Data)           Malerial conductor wire (Data)         \$ smooth (Data)           Traversing distance (C-track)         \$ m²           Wire conductor type (Data)         \$ smooth (Data)           Max. rada voltage (conductor - conductor)         300 V           Current load capacity (standard)         to DIN VDE 0286-4           Current load capacity (standard)         to DIN VDE 0286-4           Current load capacity min. Wire (Data)         5.9 A           Electrical resistance line constant wire         30 Dkm @ 20 °C           Electrical resistance line constant wire         2 kW @ 60 s           AC withstand voltage (wire - wire)         2 kW @ 60 s           Min. operating temperature (statio)         40 °C           Min. operating temperature (mix. (dynamic)         20 °C           Operating temperature mix. (dynamic)	Conductor type (wire)	strand class 6
Total care duter diameter view insulation (Data)   5.5 ± 5.5 hore D	Material wire insulation (Data)	TPE-E
Total care duter diameter view insulation (Data)   5.5 ± 5.5 hore D	Outer diameter wire insulation (Data)	2,1 mm
Ingredient freeness wire insulation (Data) Amount wries (Data) 3 Amount wries (Data) 128 Danneter of singlia wries (Data) 128 Danneter of singlia wries (Data) Conductor crosssection wrie (Data) I mm³ Material conductor wrie (Data) Wire conductor wrie (Data) Wire conductor wrie (Data) Wire conductor wrie (Data) Strand class 6 Fin @ 25 °C Max. rated voltage (conductor - conductor) Max. rated voltage (conductor - ground) Signal of the signal wries (Data) Max. rated voltage (conductor - ground) Signal of the signal wries (Data) Max. rated voltage (conductor - ground) Signal of the signal wries (Data) Max. rated voltage (conductor - ground) Signal of the signal wries (Data) Max. rated voltage (conductor - ground) Signal of the signal wries (Data) Max. rated voltage (conductor - ground) Signal of the signal wries (Data) Max. rated voltage (conductor - ground) Signal of the signal wries (Data) Max. rated voltage (conductor - ground) Signal of the signal wries (Data) Max. rated voltage (conductor - ground) Signal of the signal wries (Data) Signal of th		±5%
Amount wires (Data) 3 Amount strands wire (Data) 128 Amount strands wire (Data) 128 Canductor crosssection wire (Data) 1 mm  Canductor crosssection wire (Data) 1 mm² Material conductor wire (Data) 5 tranded copper wire, bare  Wire conductor type (Data) 5 tranded copper wire, bare  Wire conductor type (Data) 5 tranded copper wire, bare  Wire conductor type (Data) 5 tranded copper wire, bare  Wire conductor type (Data) 5 tranded copper wire, bare  Wire conductor type (Data) 5 tranded copper wire, bare  Wire conductor type (Data) 5 tranded copper wire, bare  Wire conductor type (Data) 5 tranded copper wire, bare  Wire conductor type (Data) 5 tranded copper wire, bare  Wire conductor type (Data) 5 tranded copper wire, bare  Wire conductor type (Data) 5 tranded copper wire, bare  Simple (Conductor - ground) 50 V V  Max. rated voltage (conductor - conductor) 300 V V  Max. rated voltage (conductor - conductor) 300 V V  Max. rated voltage (conductor - conductor) 300 V V  Max. rated voltage (conductor - conductor) 300 V V  Max. rated voltage (conductor - conductor) 300 V V  Max. rated voltage (conductor - conductor) 300 V V  Max. rated voltage (conductor - conductor) 300 V V  Max. rated voltage (conductor - conductor) 300 V V  Electrical resistance conting wire (Data) 20 V C V  Electrical resistance conting wire (Data) 20 V C V  Electrical resistance vibrage (wire - wire) 2 V V G G G S  Min. operating temperature (fixed) 90 ° C  Operating temperature mixed (dynamic) 40 ° C  Max. operating temperature mixed (dynamic) 90 ° C  Operating temperature mixed (dynamic) 90 ° C  Operating temperature mixed (dynamic) 90 ° C  Flame resistance Good, application-related testing  Oil resistance Good, application-related testing  Oil resistance Good, application-related testing  Bending radius (fived) 8 × Cuter diameter  Bending radius (fived) 9 × Cuter diameter  Bending radius (fived) 9 × Cuter diameter  Ben	Shore hardness wire insulation (Data)	55 ± 5 Shore D
Amount wires (Data) 3 Amount strands wire (Data) 128 Amount strands wire (Data) 128 Canductor crosssection wire (Data) 1 mm  Canductor crosssection wire (Data) 1 mm² Material conductor wire (Data) 5 tranded copper wire, bare  Wire conductor type (Data) 5 tranded copper wire, bare  Wire conductor type (Data) 5 tranded copper wire, bare  Wire conductor type (Data) 5 tranded copper wire, bare  Wire conductor type (Data) 5 tranded copper wire, bare  Wire conductor type (Data) 5 tranded copper wire, bare  Wire conductor type (Data) 5 tranded copper wire, bare  Wire conductor type (Data) 5 tranded copper wire, bare  Wire conductor type (Data) 5 tranded copper wire, bare  Wire conductor type (Data) 5 tranded copper wire, bare  Wire conductor type (Data) 5 tranded copper wire, bare  Simple (Conductor - ground) 50 V V  Max. rated voltage (conductor - conductor) 300 V V  Max. rated voltage (conductor - conductor) 300 V V  Max. rated voltage (conductor - conductor) 300 V V  Max. rated voltage (conductor - conductor) 300 V V  Max. rated voltage (conductor - conductor) 300 V V  Max. rated voltage (conductor - conductor) 300 V V  Max. rated voltage (conductor - conductor) 300 V V  Max. rated voltage (conductor - conductor) 300 V V  Electrical resistance conting wire (Data) 20 V C V  Electrical resistance conting wire (Data) 20 V C V  Electrical resistance vibrage (wire - wire) 2 V V G G G S  Min. operating temperature (fixed) 90 ° C  Operating temperature mixed (dynamic) 40 ° C  Max. operating temperature mixed (dynamic) 90 ° C  Operating temperature mixed (dynamic) 90 ° C  Operating temperature mixed (dynamic) 90 ° C  Flame resistance Good, application-related testing  Oil resistance Good, application-related testing  Oil resistance Good, application-related testing  Bending radius (fived) 8 × Cuter diameter  Bending radius (fived) 9 × Cuter diameter  Bending radius (fived) 9 × Cuter diameter  Ben	Ingredient freeness wire insulation (Data)	lead-free, halogen-free, silicone-free, LABS-free
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           Traversing distance (C-track)         5 m Ø 25 °C           Max. rated voltage (conductor - conductor)         300 V           Max. rated voltage (conductor - ground)         300 V           Current load capacity (stinkindard)         to DIN VDE 0298-4           Current load capacity wink. Wire (Data)         15 A           Electrical resistance line constant wire         39 CNrm @ 20 °C           Electrical resistance coating wire (pata)         20 Km @ 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           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           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @	Amount wires (Data)	3
Conductor crossacction wire (Data)         1 mm²           Material conductor wire (Data)         Stranded copper wire, bare           Wire conductor by per (Data)         Stranded case 6           Traversing distance (C-track)         5 m @ 25 °C           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 conting wire (Data)         20 Qkm @ 20 °C           Electrical resistance conting wire (Data)         20 Qkm @ 20 °C           Electrical resistance conting wire (Pata)         2 kV @ 60 s           Power frequency wirhstand voltage (wire - wire)         2 kV @ 60 s           Power frequency wirhstand voltage (wire - wire)         2 kV @ 60 s           Power frequency wirhstand voltage (wire - wire)         2 kV @ 60 s           Power frequency wirhstand voltage (wire - wire)         2 kV @ 60 s           Power frequency wirhstand voltage (wire - wire)         2 kV @ 60 s           Power frequency wirhstand voltage (wire - wire)         2 kV @ 60 s           Power frequency wirhstand voltage (wire - wire)         2 kV @ 60 s           Descent fr	Amount strands wire (Data)	128
Material conductor wire (Data)         Stranded copper wire, bare           Wire conductor type (Data)         strand class 6           Tawersing distance (C-track)         5 m @ 25 °C           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 ine constant wire         39 0 km @ 20 °C           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           Min. operating temperature (keed)         90 °C           Operating temperature (keed)         90 °C           Max. operating temperature max. (dynamic)         20 °C           Operating temperature max. (dynamic)         90 °C           Filamor resistance         Good. application-related testing           Cancella resistance         Good. application-related testing           One resistance         Good. application-related testing	Diameter of single wires (Data)	0,1 mm
Wire conductor type (Data)         strand class 6           Traversing distance (C-track)         5 m @ 25 ° C           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 line constant wire         39 Dkm @ 20 °C           Electrical resistance line constant 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 (static)         40 °C           Max. operating temperature (fixed)         90 °C           Operating temperature max. (vjmamic)         90 °C           Bending radius (fixed)	Conductor crosssection wire (Data)	1 mm <sup>2</sup>
Traversing distance (C-track)         5 m @ 25 °C           Max. rated voltage (conductor - conductor)         300 V           Max. rated voltage (conductor - ground)         300 V           Current load capacity (standard)         to DIN NDE 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 - wire)         2 kV @ 60 s           Min. operating temperature (fixed)         90 °C           Operating temperature min. (dynamic)         -20 °C           Operating temperature max. (dynamic)         90 °C           Filame resistance         UL 1581 § 1100 FTZ   EC 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 (installation)         x Outer diameter           Bending radius (installation)         10 x Cuter diameter	Material conductor wire (Data)	Stranded copper wire, bare
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 (Data)         15 A           Electrical resistance constant wire         39 Ωkm @ 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 (static)         40 °C           Min. operating temperature min. (dynamic)         90 °C           Operating temperature min. (dynamic)         90 °C           Operating temperature max. (dynamic)         90 °C           Gasoline resistance         Good, application-related testing           Gail (sissance)         Good, application-related testing           Oil resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (fixed)         8 x Outer diameter           Be	Wire conductor type (Data)	strand class 6
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 loconstant wire         39 Ω/km @ 20 °C           Electrical resistance coating wire (Data)         20 Ω/km @ 20 °C           AC withstand voltage (wire - viacket)         2 kV @ 60 s           Power frequency withstand voltage (wire - jacket)         40 °C           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         90 °C           Operating temperature max. (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           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 (fixed)         8 x Outer diameter           Bending radius (fixed)         8 x Outer diameter           Bending radius (fixed)         5 Mio. @ 25 °C	Traversing distance (C-track)	5 m @ 25 °C
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 loconstant wire         39 Ω/km @ 20 °C           Electrical resistance coating wire (Data)         20 Ω/km @ 20 °C           AC withstand voltage (wire - viacket)         2 kV @ 60 s           Power frequency withstand voltage (wire - jacket)         40 °C           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         90 °C           Operating temperature max. (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           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 (fixed)         8 x Outer diameter           Bending radius (fixed)         8 x Outer diameter           Bending radius (fixed)         5 Mio. @ 25 °C		
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 Q/km @ 20 °C           Electrical resistance coating wire (Data)         20 Q/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - jacket)         -40 °C           Min. operating temperature (fixed)         90 °C           Operating temperature min. (dynamic)         -20 °C           Operating temperature min. (dynamic)         -20 °C           Chamical resistance         Good, application-related testing           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)         8 x Outer diameter           Rending radius (fixed)         8 x Outer diameter           No		300 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 - gake) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Min. operating temperature (static) 40 °C 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 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 DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (dynamic) 10 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C  Concetion type 2 Family construction form free cable end No. of poles 19 Family construction form Mr2 Gender female Color contact carrier black Coding A No. of poles 5 FIN 1 + FIN 2 NC S 2 FIN 3 - FIN 4 NO S 1		to DIN VDE 0298-4
Electrical resistance line constant wire   39 Ω/km @ 20 °C		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 - iacket) 2 kV @ 60 s  Min. operating temperature (static) 40 °C  Max. operating temperature (fixed) 90 °C  Operating temperature min. (dynamic) 90 °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  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  No. of bending cycles (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  Coolor contact carrier black  Coding A  No. of poles 5  PIN 1 +  PIN 2 NC S 2  PIN 3 -  PIN 4 NO S 1	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  Gil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (installation) x Outer diameter  Bending radius (gynamic) 10 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (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  PIN 3 -  PIN 4 NO S 1	-	39 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket)	Electrical resistance coating wire (Data)	20 Ω/km @ 20 °C
Jacket	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           Gissoline resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (installation)         x Outer diameter           Bending radius (fixed)         8 x Outer diameter           Bending radius (dynamic)         10 x Outer diameter           No. of bending cycles (C-track)         5 Mio. @ 25 °C           Connection type 2         Family construction form           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           FIN 1         +           PIN 2         NC S 2           PIN 3         -           PIN 4         NO S 1		2 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature desting page testing Operating temperature desting Operating temperature field testing Operating temperature desting Operating temperature desting Operating temperature desting Operating temperature field testing Operating temperature desting Operating testing Operati	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   DIN EN 60811-404       Bending radius (installation)     x Outer diameter       Bending radius (fixed)     8 x Outer diameter       Bending radius (dynamic)     10 x Outer diameter       No. of bending cycles (C-track)     5 Mio. @ 25 °C       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       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 (installation) 8 x Outer diameter Bending radius (installation) 10 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (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 PIN 3 PIN 4 NO S 1	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 Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (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 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) 8 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (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  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) 8 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (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  PIN 3 -  PIN 4 NO S 1	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  No. of bending cycles (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  PIN 3 -  PIN 4 NO S 1	Gasoline resistance	Good, application-related testing
Bending radius (fixed) 8 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (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  PIN 3 -  PIN 4 NO S 1	Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (dynamic)         10 x Outer diameter           No. of bending cycles (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           PIN 3         -           PIN 4         NO S 1	Bending radius (installation)	x Outer diameter
No. of bending cycles (C-track)  Connection type 2  Family construction form  free cable end  No. of poles  19  Family construction form  M12  Gender  Gender  Golor contact carrier  black  Coding  A  No. of poles  5  PIN 1  +  PIN 2  NC S 2  PIN 3  -  PIN 4  NO S 1	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           PIN 3         -           PIN 4         NO S 1	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           PIN 3         -           PIN 4         NO S 1	No. of bending cycles (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           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         5           PIN 1         +           PIN 2         NC S 2           PIN 3         -           PIN 4         NO S 1	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           PIN 3         -           PIN 4         NO S 1	No. of poles	19
Color contact carrier         black           Coding         A           No. of poles         5           PIN 1         +           PIN 2         NC S 2           PIN 3         -           PIN 4         NO S 1	Family construction form	M12
Coding         A           No. of poles         5           PIN 1         +           PIN 2         NC S 2           PIN 3         -           PIN 4         NO S 1	Gender	female
No. of poles         5           PIN 1         +           PIN 2         NC S 2           PIN 3         -           PIN 4         NO S 1	Color contact carrier	black
PIN 1       +         PIN 2       NC S 2         PIN 3       -         PIN 4       NO S 1	Coding	A
PIN 2         NC S 2           PIN 3         -           PIN 4         NO S 1	No. of poles	5
PIN 3 - NO S 1	PIN 1	+
PIN 4 NO S 1	PIN 2	NC S 2
	PIN 3	-
PIN 5 PE	PIN 4	NO S 1
	PIN 5	PE