

## EXACT12, 8XM12, 4 POLE MOULDED CABLE

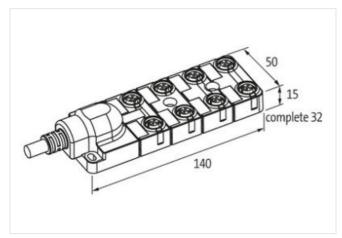
5.0m PUR/PVC 8x0,34+3X0.75

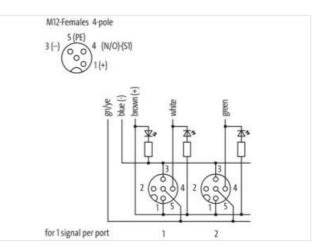
4-pole PUR/PVC for NPN signals 24 V DC 5.0 m Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

## Link to Product









Product may differ from Image



ECLASS-6.0	27143423	
ECLASS-6.1	27279219	
ECLASS-7.0	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: 2024-05-19

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ECLASS-8.0	27279219
ECLASS-9.0	27440108
ECLASS-10.1	27440108
ECLASS-11.1	27440108
ECLASS-12.0	27440108
ETIM-5.0	EC002585
customs tariff number	85444290
GTIN	4048879054232
Packaging unit	1
Electrical data   Supply	
Operating voltage DC	24 V
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	
Material housing	Plastic
Environmental characteristics   Climatic	
	-20 °C
Operating temperature min. Operating temperature max.	-20°C
Additional condition temperature range	depending on cable quality
Installation   Cable	
Cable identification	362
Cable Type	2
STOOW style jacket	Hybrid, Signal, Power
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Amount stranding Stranding	1 2 wires with Filler twisted
Amount stranding Stranding Amount stranding (type 2)	1 2 wires with Filler twisted 1
Amount stranding         Stranding         Amount stranding (type 2)         Stranding (type 2)	1         2 wires with Filler twisted         1         9 wires around Stranding combination twisted
Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Filler	1         2 wires with Filler twisted         1         9 wires around Stranding combination twisted         yes
Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Filler wire arrangement	1         2 wires with Filler twisted         1         9 wires around Stranding combination twisted         yes         white, violet, (green, yellow, gray, pink, red, black, brown, blue, green-yellow)
Amount stranding         Stranding         Amount stranding (type 2)         Stranding (type 2)         Filler         wire arrangement         Cable weigth	1         2 wires with Filler twisted         1         9 wires around Stranding combination twisted         yes         white, violet, (green, yellow, gray, pink, red, black, brown, blue, green-yellow)         115,5 g/m
Amount stranding         Stranding         Amount stranding (type 2)         Stranding (type 2)         Filler         wire arrangement         Cable weigth         Material jacket	1         2 wires with Filler twisted         1         9 wires around Stranding combination twisted         yes         white, violet, (green, yellow, gray, pink, red, black, brown, blue, green-yellow)         115,5 g/m         PUR
Amount stranding         Stranding         Amount stranding (type 2)         Stranding (type 2)         Filler         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket	1         2 wires with Filler twisted         1         9 wires around Stranding combination twisted         yes         white, violet, (green, yellow, gray, pink, red, black, brown, blue, green-yellow)         115,5 g/m         PUR         87 ± 5 Shore A
Amount stranding         Stranding         Amount stranding (type 2)         Stranding (type 2)         Filler         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)	1         2 wires with Filler twisted         1         9 wires around Stranding combination twisted         yes         white, violet, (green, yellow, gray, pink, red, black, brown, blue, green-yellow)         115,5 g/m         PUR         87 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free
Amount stranding         Stranding         Amount stranding (type 2)         Stranding (type 2)         Filler         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)	1         2 wires with Filler twisted         1         9 wires around Stranding combination twisted         yes         white, violet, (green, yellow, gray, pink, red, black, brown, blue, green-yellow)         115,5 g/m         PUR         87 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         8,1 mm
Amount stranding         Stranding         Amount stranding (type 2)         Stranding (type 2)         Filler         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)	1         2 wires with Filler twisted         1         9 wires around Stranding combination twisted         yes         white, violet, (green, yellow, gray, pink, red, black, brown, blue, green-yellow)         115,5 g/m         PUR         87 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         8,1 mm         ± 5 %
Amount stranding         Stranding         Amount stranding (type 2)         Stranding (type 2)         Filler         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material inner jacket	1         2 wires with Filler twisted         1         9 wires around Stranding combination twisted         yes         white, violet, (green, yellow, gray, pink, red, black, brown, blue, green-yellow)         115,5 g/m         PUR         87 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         8,1 mm         ± 5 %         PVC
Amount stranding         Stranding         Amount stranding (type 2)         Stranding (type 2)         Filler         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material inner jacket         Color (inner jacket)	1         2 wires with Filler twisted         1         9 wires around Stranding combination twisted         yes         white, violet, (green, yellow, gray, pink, red, black, brown, blue, green-yellow)         115,5 g/m         PUR         87 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         8,1 mm         ± 5 %         PVC         gray
Amount stranding         Stranding         Amount stranding (type 2)         Stranding (type 2)         Filler         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material inner jacket         Color (inner jacket)         Material wire insulation	1         2 wires with Filler twisted         1         9 wires around Stranding combination twisted         yes         white, violet, (green, yellow, gray, pink, red, black, brown, blue, green-yellow)         115,5 g/m         PUR         87 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         8,1 mm         ± 5 %         PVC         gray         PVC
Amount stranding         Stranding         Amount stranding (type 2)         Stranding (type 2)         Filler         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material inner jacket         Color (inner jacket)         Material wire insulation         Amount wires	1         2 wires with Filler twisted         1         9 wires around Stranding combination twisted         yes         white, violet, (green, yellow, gray, pink, red, black, brown, blue, green-yellow)         115,5 g/m         PUR         87 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         8,1 mm         ± 5 %         PVC         gray         PVC         8
Amount stranding         Stranding         Amount stranding (type 2)         Stranding (type 2)         Filler         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material inner jacket         Color (inner jacket)         Material wire insulation         Amount wires         Outer diameter insulation	1         2 wires with Filler twisted         1         9 wires around Stranding combination twisted         yes         white, violet, (green, yellow, gray, pink, red, black, brown, blue, green-yellow)         115,5 g/m         PUR         87 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         8,1 mm         ± 5 %         PVC         gray         PVC         8         1,3 mm
Amount strandingStrandingAmount stranding (type 2)Stranding (type 2)Stranding (type 2)Fillerwire arrangementCable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material inner jacketColor (inner jacket)Material wire insulationAmount wiresOuter diameter tolerance core insulationOuter diameter tolerance core insulation	1         2 wires with Filler twisted         1         9 wires around Stranding combination twisted         yes         white, violet, (green, yellow, gray, pink, red, black, brown, blue, green-yellow)         115,5 g/m         PUR         87 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         8,1 mm         ± 5 %         PVC         gray         PVC         8         1,3 mm         ± 5 %
Amount stranding         Stranding         Amount stranding (type 2)         Stranding (type 2)         Filler         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material inner jacket         Color (inner jacket)         Material wire insulation         Amount wires         Outer diameter tolerance core insulation         Shore hardness wire insulation	1         2 wires with Filler twisted         1         9 wires around Stranding combination twisted         yes         white, violet, (green, yellow, gray, pink, red, black, brown, blue, green-yellow)         115,5 g/m         PUR         87 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         8,1 mm         ± 5 %         PVC         gray         PVC         8         1,3 mm         ± 5 %         43 ± 5 Shore D
Amount stranding         Stranding         Amount stranding (type 2)         Stranding (type 2)         Filler         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material inner jacket         Color (inner jacket)         Material wire insulation         Amount wires         Outer diameter tolerance core insulation         Shore hardness wire insulation         Material properties wire insulation	1         2 wires with Filler twisted         1         9 wires around Stranding combination twisted         yes         white, violet, (green, yellow, gray, pink, red, black, brown, blue, green-yellow)         115,5 g/m         PUR         87 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         8,1 mm         ± 5 %         PVC         gray         PVC         8         1,3 mm         ± 5 %         43 ± 5 Shore D         good machinability
Amount stranding         Stranding         Amount stranding (type 2)         Stranding (type 2)         Filler         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material inner jacket         Color (inner jacket)         Material wire insulation         Amount wires         Outer diameter tolerance core insulation         Shore hardness wire insulation         Material properties wire insulation	1         2 wires with Filler twisted         1         9 wires around Stranding combination twisted         yes         white, violet, (green, yellow, gray, pink, red, black, brown, blue, green-yellow)         115,5 g/m         PUR         87 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         8,1 mm         ± 5 %         PVC         gray         PVC         8         1,3 mm         ± 5 %         43 ± 5 Shore D         good machinability         lead-free, cadmium-free, CFC-free, silicone-free
Amount stranding         Stranding         Amount stranding (type 2)         Stranding (type 2)         Filler         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material inner jacket         Color (inner jacket)         Material wire insulation         Amount wires         Outer diameter tolerance core insulation         Shore hardness wire insulation         Ingredient freeness wire insulation         Ingredient freeness wire insulation         Traversing distance (C-track)	1         2 wires with Filler twisted         1         9 wires around Stranding combination twisted         yes         white, violet, (green, yellow, gray, pink, red, black, brown, blue, green-yellow)         115,5 g/m         PUR         87 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         8,1 mm         ± 5 %         PVC         gray         PVC         8         1,3 mm         ± 5 %         43 ± 5 Shore D         good machinability
Amount stranding         Stranding         Amount stranding (type 2)         Stranding (type 2)         Filler         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material inner jacket         Color (inner jacket)         Material wire insulation         Amount wires         Outer diameter tolerance core insulation         Shore hardness wire insulation         Material properties wire insulation	1         2 wires with Filler twisted         1         9 wires around Stranding combination twisted         yes         white, violet, (green, yellow, gray, pink, red, black, brown, blue, green-yellow)         115,5 g/m         PUR         87 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         8,1 mm         ± 5 %         PVC         gray         PVC         8         1,3 mm         ± 5 %         43 ± 5 Shore D         good machinability         lead-free, cadmium-free, CFC-free, silicone-free

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Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         Strand class 5           Tarval speed (Crack)         8           Material wire insulation (Power)         1.5 mm           Tolerance outrid diameter wire insulation         25 %           Strom Interfores wire insulation (Power)         926 diameter wire insulation (Power)           Material properties wire insulation (Power)         926 diameter wire insulation (Power)           Material properties wire insulation (Power)         924           Diameter of aling wire (Power)         24 P           Diameter of aling wire (Power)         924 mm           Material conductor wire (Power)         924 mm           Diameter of aling (endoctor - conductor)         900 V           Material conductor wire (Power)         924 mm           Diameter of aling (endoctor - conductor)         900 V           Loop resistance         7.8 A           Current bad capacity (standard)         100 V           Loop resistance         7.8 A           Current bad capacity (standard)         20 V @ 05 P           Power (hour wire)         24 V @ 05 0           Power (hour wire)         24 V @ 05 0           Power (hour wire)         24 V @ 05 0           Power (hour wire)         24 V @ 0	Conductor crosssection (wire)	0.34 mm <sup>2</sup>
Constructor type (vire)         Strand class 5           Travel speed (C-rack)         3           Matchil wire insulation (Power)         PVC           Outer diameter wire insulation         3.5 %.           Travel speed (C-rack)         3           Matchil wire insulation (Power)         1.8 m           Diame cauther wire insulation (Power)         435 Shore D           Material groporties wire insulation (Power)         24           Diameter of aling wires (Power)         25 mm²           Material conductor wire (Power)         Strandel cooper wire, bare           Construct rule wire (Power)         Strandel cooper wire, bare	. ,	
Travel speet (Crack)         3           Material we'n insulation (Power)         PVC           Outer diameter we'n insulation (Power)         1.5 mm           Tolerance outer diameter we'n insulation (Power)         455 %n (Power)           Shore handness we'n insulation (Power)         4455 Shore D           Material properties we'n insulation (Power)         4445 Shore D           Diameter d'single we'ns (Power)         24           Diameter d'single we'ns (Power)         0.7 mm           Wrie conductor cross section (Power)         0.75 mm²           Material conductor we're Power)         Strand class 5           Max. rated voltage (conductor - conductor)         300 V           Logo resistance         7.8 A           Current load capacity (slandard)         10 DI VDE 0288 4           Current load capacity (slandard)         20 VC           Active diagnet (weith and weight (conductor - conductor)         300 V           Logo resistance         7.8 A           Current load capacity (slandard)         10 DI VDE 0288 4           Current load capacity (slandard)         20 VC           Active dynage (we're're're're're're're're're're're're're		
Instantiation (Power)         PVC           Outer diameter wire insulation (Power)         1,8 mm           Tolerance outer diameter wire insulation (Power)         43:5 Shore D           Material properties wire insulation (Power)         90:0 machinability           Impredient Kenses wire insulation (Power)         90:0 machinability           Impredient Kenses wire insulation (Power)         90:0 machinability           Impredient Kenses wire insulation (Power)         94           Diameter of aingle wires (Power)         0.2 mm           Wire conductor onsescetion (Power)         95 franded copper wire, bare           Conductor type wire (Power)         Strand class 5           Max, rated voltage (conductor - conduct)         30:0 V           Max, rated voltage (conductor - conduct)         30:0 V           Max, rated voltage (conductor - conduct)         30:0 V           Current load capacity (slandard)         to DN VDE 6289.4           Current load capacity (slandard)         to DN VDE 6289.4           Current load capacity miniter         4.A           Electrical resistance onsine constant wire         5:0 CMm @ 20:°C           Electrical resistance onsine constant wire (Sinet)         3:0 °C           Operating temperature (sinet)         3:0 °C           Operating temperature max. (grammic)         7:0 °C <td></td> <td></td>		
Outer diameter wire insulation (Power)         1.8 mm           Tolerance outer diameter wire insulation         45 %           Shore hardness wire insulation (Power)         43.5 Shore D           Material proprietaver insulation (Power)         43.5 Shore D           Material proprietaver insulation (Power)         18.4 Kee, cadmium-free, CFC-free, silicone-free           Amount strands wire insulation (Power)         0.2 mm           Usmeter of single wires (Power)         0.2 mm           Wire conductor cross section (Power)         0.3 mm?           Wire conductor cross section (Power)         0.3 mm?           Material conductor wire (Power)         Stand class 5           Conductor you wire (Power)         Stand class 5           Conductor you wire (Power)         300 V           Logo resistance         7,8 A           Current tool capacity (standard)         100 IV DE 028-4           Current tool capacity (standard)         20 V           Max. ratad voltage (conductor - ground)         20 V           Min. operating temporature status         57 Dfm @ 20 °C           Current tool capacity (standard)         10 IN VDE 028-4           Current tool capacity (standard)         30 °C           Max. oparating temporature status         30 °C           Constatus wire (standard)         30 °C </td <td></td> <td></td>		
Tolerance auter dameter wie insulation (Power)         45 %           Shore hardness wire insulation (Power)         4315 Shore D           Material properties wire insulation (Power)         good machinability           Ingredient Tennoss wire insulation (Power)         62 (no. cadmium free, CFC free, silicone-free           Amount Stands wire (Power)         0.2 mm           Wire conductor coss section (Power)         0.3 mm <sup>2</sup> Material conductor wire (Power)         Stranded copper wire, bare           Contruct rule acquescity min. wire         4.A           Electrical resistance control wire (Power)         28 LV @ 60 s           Current load capacity (min. wire         24 LV @ 60 s           Max. operating temperature rule. (Agmanic)         70 °C           Operating temperature rule. (Agmanic)         70 °C           Flame resistance         Good, application-related testing           Gascine resistance         Good, application-related testing           Gascine resis		
(Power)         At 55           Material properties wire insulation (Power)         good machinability           Ingredient freeness wire insulation (Power)         6ad-free, cantinum-free, CPC-free, silicone-free           Amount stands wire (Power)         0.2 mm           Wire conductor cross section (Power)         0.75 mm <sup>2</sup> Material conductor vires (Power)         Strand copper wire, bare           Conductor type wire (Power)         Strand copper wire, bare           Conductor vires (Power)         Strand copper wire, bare           Conductor vires (Power)         Strand copper wire, bare           Conductor vire (Power)         Strand copper wire, bare           Current load capacity (Istandruf)         to DIV VDE 0298-4           Corent load capacity (Istandruf)         to D		
Material properties wire insulation (Power)         good machinability           Ingredient Treeness wire insulation (Power)         lead-tree, cadmium-tree, CFC-tree, silicone-tree           Amount strands wire (Power)         0.2 mm           Wire conductor cross section (Power)         0.75 mm³           Material conductor wire (Power)         Stranded copper wire, bare           Conductor type wire (Power)         Stranded copper wire, bare           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         Stranded Din DIN VDE 0298-4           Current load capacity (standard)         to DIN (Power)           Ac withstand voltage (wire - lacket)         2 kV @ 60 s </td <td></td> <td></td>		
Ingredient freeness wire insulation (Power)         Lead-free, cadmium-free, CFC-free, silicone-free           Amount strands wire (Power)         24           Diameter of single wise (Power)         0,2 mm           Wire conductor cross section (Power)         Stranded cosper wire, bare           Conducts by wire (Power)         Stranded cases 5           Max. rated voltage (conductor - conductor)         300 V           Loop resistance         7.8 A           Current load capacity (finderdri)         to DN VDE 0298-4           Current load capacity (finderdri)         2 kV @ 60 s           Power frequeny withstard voltage (wire - wire)         2 kV @ 60 s           Power frequeny withstard voltage (wire - wire)         2 kV @ 60 s           Power frequeny withstard voltage (wire - wire)         2 kV @ 60 s           Power frequeny withstard voltage (wire - wire)         2 kV @ 60 s           Gordact priperature max. (dynamic)         70 °C           Filam resistance         Good, applica	Shore hardness wire insulation (Power)	43±5 Shore D
Amount strands wire (Power)     24       Danneter of single wires (Power)     0.2 mm       Wire conductor cross section (Power)     Stranded copper wire, bare       Conductor type wire (Power)     Stranded copper wire, bare       Current load capacity (standard)     to DIN VDE 0288-4       Current load capacity (standard)     to DIN VDE 0288-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to QIN       Ac withstand voltage (wire - wire)     2 kV @ 60 s       Ac withstand voltage (wire - wire)     2 kV @ 60 s       Max. operating temperature (static)     -30 °C       Operating temperature (static)     -30 °C       Operating temperature (static)     -5 °C       Operating temperature (static)     -5 °C	Material properties wire insulation (Power)	good machinability
Diameter of single wires (Power)         0,2 mm           Wire conductor cross section (Power)         0.75 mm²           Marcial conductor vires (Power)         Strand class 5           Max. rated voltage (conductor - conductor)         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity vint. wire         57 Ω/km @ 20 °C           AC withstand voltage (wire - viet & kV @ 60 s           Contrasting lemperature max. (stalic)         -30 °C           Max. operating temperature (stalic)         -30 °C           Max. operating temperature max. (dynamic)         -5 °C           Operating temperature max. (dynamic)	Ingredient freeness wire insulation (Power)	lead-free, cadmium-free, CFC-free, silicone-free
Wire conductor cross section (Power)         0,75 mm <sup>4</sup> Material conductor wire (Power)         Stranded copper wire, bare           Conductor type wire (Power)         300 V           Max. rated voltage (conductor - ground)         300 V           Loop resistance         7,8 A           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min, wire         4 A           Electrical resistance coating wire         57 DKm @ 20 °C           Electrical resistance coating wire         67 DKm @ 20 °C           Power frequeny withstand voltage (wire - ground)         2 KV @ 60 s           Max. operating temperature (static)         -30 °C           Max. operating temperature (static)         -30 °C           Max. operating temperature (fixed)         80 °C           Operating temperature (fixed)         80 °C           Operating temperature (fixed)         80 °C           Operating temperature max. (dynamic)         75 °C           Operating temperature max. (dynamic)         70 °C           Flame resistance         Good, application-related testing           Ol resistance         Good, application-related testing           Ol resistance         Good, application-related testing	Amount strands wire (Power)	24
Material conductor wire (Power)       Strand class 5         Gonductor type wire (Power)       Strand class 5         Max. rated voltage (conductor - conductor)       300 V         Max. rated voltage (conductor - ground)       300 V         Loop resistance       7.8 A         Current load capacity (standard)       to DIN VDE 02894         Current load capacity (standard)       to DIN VDE 02894.         Current load capacity (standard)       to DIN VDE 02894.         Current load capacity (standard)       20 VW 02 0°C         Electrical resistance coating wire (Power)       28 QMm @20 °C         Content load capacity (standard)       20 VW 06 0 s         Min. operating temperature (static)       -30 °C         Max. operating temperature (static)       -30 °C         Operating temperature (fixed)       80 °C         Operating temperature (static)       -30 °C         Flame resistance       UL 1581 § 1090   EC 60332-2 : ] UL 1581 § 1100 FT2         Chemical resistance       Good, application-related testing         Oli resistance       Good, application-related testing	Diameter of single wires (Power)	0,2 mm
Conductor type wire (Power)       Strand class 5         Max. rated voltage (conductor - conductor)       300 V         Max. rated voltage (conductor - ground)       300 V         Loop resistance       7.8 A         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (standard)       to DIN VDE 0298-4         Electrical resistance control wire (Power)       26 0/km @ 20 °C         Electrical resistance control wire (Power)       26 0/km @ 20 °C         AC withstand voltage (wire - wire)       2 kV @ 60 s         Min: operating temperature (stalic)       -30 °C         Max. operating temperature (stalic)       -30 °C         Operating temperature (stalic)       -30 °C         Operating temperature (stalic)       -5 °C         Ob	Wire conductor cross section (Power)	0,75 mm²
Max. rated voltage (conductor - conductor)     300 V       Loop resistance     7,8 A       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     57 Qkm @ 20 °C       Electrical resistance conting wite (Power)     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. reted voltage (resolution)     -30 °C       Max. operating temperature (static)     -5 °C       Opperating temperature (static)     -5 °C       Operating temperature (static)     -0 °C       Flame resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Oil resistan	Material conductor wire (Power)	Stranded copper wire, bare
Max. rated voltage (conductor - ground)         300 V           Loop resistance         7.8 A           Current Load capacity (standard)         to DIN VDE 0298-4           Current Load capacity min, wire         4 A           Electrical resistance ine constant wire         57 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 & W @ 60 s           Power frequency withstand voltage (wire - jacked)         2 kV @ 60 s           Min. operating temperature (static)         -30 °C           Max. operating temperature (static)         -5 °C           Opperating temperature min. (dynamic)         70 °C           Flame resistance         Good, application-related testing           Olit resistance <td< td=""><td>Conductor type wire (Power)</td><td>Strand class 5</td></td<>	Conductor type wire (Power)	Strand class 5
Loop resistance       7,8 A         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (standard)       4 A         Electrical resistance ine constant wire       5 Ωkm @ 20 °C         Electrical resistance coating wire (Power)       2 kV @ 60 s         Power frequency withstand voltage (wire - wire)       2 kV @ 60 s         Max. operating temperature (static)       -30 °C         Max. operating temperature (static)       -30 °C         Max. operating temperature (static)       -30 °C         Operating temperature (static)       -80 °C         Operating temperature (static)       -80 °C         Operating temperature mix. (dynamic)       -7 °C         Flame resistance       Good, application-related testing         Oil resistance       Good, application-related testing         Tavel speed (	Max. rated voltage (conductor - conductor)	300 V
Current load capacity (standard)       to DIN VDE 0288-4         Current load capacity min. wire       4 A         Electrical resistance coaling wire (Power)       26 O/km @ 20 °C         AC withstand voltage (wire - wire)       2 kV @ 60 s         Power frequency withstand voltage (wire - size of the	Max. rated voltage (conductor - ground)	300 V
Current load capacity min. wire     4 A       Electrical resistance line constant wire     57 ΩKm @ 20 °C       Electrical resistance coating wire (Power)     26 Ω/km @ 20 °C       AC withstand voltage (wire - vire)     2 kV @ 60 s       Power frequency withstand voltage (wire - jackst)     2 kV @ 60 s       Min. operating temperature (static)     -30 °C       Max. operating temperature (static)     -30 °C       Operating temperature max. (dynamic)     -5 °C       Operating temperature max. (dynamic)     70 °C       Flame resistance     UL 1581 § 100   IEC 60332.2.2   UL 1581 § 1100 FT2       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 (fixed)     5 x Outer diameter       Bending radius (gynamic)     10 x Outer diameter       Travel speed (C-track)     2 Min. @ 2 °C       Connection type 2     Family construction form       Family construction form     M12       Gander     female       Color contact carrier     black       Coder     A       No. of poles     4       PiN 1     +       PiN 4     NO S 1 <td>Loop resistance</td> <td>7,8 A</td>	Loop resistance	7,8 A
Electrical resistance line constant wire       57 Ω/km @ 20 °C         Electrical resistance coaling wire (Power)       26 Ω/km @20 °C         AC withstand voltage (wire - wire)       2 kV @ 60 s         Power frequency withstand voltage (wire - iacket)       -30 °C         Min. operating temperature (static)       -30 °C         Max. operating temperature (static)       -30 °C         Operating temperature (static)       -5 °C         Operating temperature max. (dynamic)       75 °C         Operating temperature max. (dynamic)       70 °C         Flame resistance       UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2         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         Dil resistance       So Oute	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance coating wire (Power)       26 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)       -30 °C         Max. operating temperature (fixed)       80 °C         Operating temperature max. (dynamic)       -5 °C         Operating temperature max. (dynamic)       70 °C         Flame resistance       UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oli resistance       Good, application-related testing         Oli resistance       Good, application-related testing         Oli resistance       Good, application-related testing         Travel speed (C-track)       2 Mio. @ 25 °C         Connection type 2       Family construction form         Family construction form       M12         Gender       Iemale         Color contact carrier       black         Coding       A         No. of poles       4         PIN 1       +         PIN 2       n.c. </td <td>Current load capacity min. wire</td> <td>4 A</td>	Current load capacity min. wire	4 A
AC withstand voltage (wire - wire)       2 kV @ 60 s         Power frequency withstand voltage (wire - jacket)       2 kV @ 60 s         Min. operating temperature (static)       -30 °C         Max. operating temperature (fixed)       g0 °C         Operating temperature min. (dynamic)       -5 °C         Operating temperature max. (dynamic)       70 °C         Flame resistance       UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       Good, application-related testing         Contectin type 2       Family construction form         Family construction form       free cable end         No. of poles       11         Family construction form       M12         Gender       female         Color contact carrier       black         Coding       A         No. of po	Electrical resistance line constant wire	57 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket)       2 kV @ 60 s         Min. operating temperature (static)       -30 °C         Max. operating temperature (tixed)       80 °C         Operating temperature min. (dynamic)       -5 °C         Operating temperature max. (dynamic)       70 °C         Flame resistance       UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       Good, application-related testing         Bending radius (fixed)       5 x OLuter diameter         Travel speed (C-track)       2 Mio. @ 25 °C         Connection type 2       Family construction form         Family construction form       free cable end         No. of poles       11         Family construction form       M12         Gander       female         Color contact carrier       black         Coding       A         No. of poles       4         PIN 1       +         PIN 2       n.c.         PIN 4       NO S 1	Electrical resistance coating wire (Power)	26 Ω/km @20 °C
jacket)Z N @ 00 SMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingBending radius (fixed)5 x Outer diameterTravel speed (C-track)2 Mio. @ 25 °CConnection type 2Family construction formfree cable endNo. of poles11FamileGoodColor contact carrierbackCodingANo. of poles4PIN 1+PIN 2n.c.PIN 4NO S 1	AC withstand voltage (wire - wire)	2 kV @ 60 s
Max. operating temperature (lixed)       80 °C         Operating temperature min. (dynamic)       -5 °C         Operating temperature max. (dynamic)       70 °C         Flame resistance       UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       Good, application-related testing         Oil resistance       Good, application-related testing         Bending radius (fixed)       5 x Outer diameter         Bending radius (dynamic)       10 x Outer diameter         Travel speed (C-track)       2 Mio. @ 25 °C         Connection type 2       Family construction form         Family construction form       free cable end         No. of poles       11         Family construction form       M12         Gender       female         Color contact carrier       black         Coding       A         No. of poles       4         PIN 1       +         PIN 2       n.c.         PIN 3       -		2 kV @ 60 s
Operating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingDi resistanceIn 0 × Outer diameterTravel speed (C-track)2 Mio. @ 25 °CConnection type 2Family construction formFamily construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles4	Min. operating temperature (static)	-30 °C
Operating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDi resistanceGood, application-related testingDi resistanceGood, application-related testing   DIN EN 60811-404Bending radius (dynamic)10 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)2 Mio. @ 25 °CConcection type 2Family construction formfree cable endNo. of poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles4PIN 1+PIN 2n.c.PIN 3-PIN 4NO S 1	Max. operating temperature (fixed)	0° 08
Flame resistanceUL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)2 Mio. @ 25 °CConnection type 2Family construction formfree cable endNo. of poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles4PIN 1+PIN 2n.c.PIN 4NO S 1	Operating temperature min. (dynamic)	-5 °C
chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)2 Mio. @ 25 °CConnection type 2Family construction formfree cable endNo. of poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles4PIN 1+PIN 2n.c.PIN 3-PIN 4NO S 1	Operating temperature max. (dynamic)	70 °C
Gasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)2 Mio. @ 25 °CConnection type 2Family construction formfree cable endNo. of poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles4PIN 1+PIN 2n.c.PIN 3-PIN 4NO S 1	Flame resistance	UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
Oil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)2 Mio. @ 25 °CConnection type 2Family construction formfree cable endNo. of poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles4PIN 1+PIN 2n.c.PIN 3-PIN 4NO S 1	chemical resistance	Good, application-related testing
Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)2 Mio. @ 25 °CConnection type 2Family construction formfree cable endNo. of poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles4PIN 1+PIN 2n.c.PIN 3-PIN 4NO S 1	Gasoline resistance	
Bending radius (dynamic)10 x Outer diameterTravel speed (C-track)2 Mio. @ 25 °CConnection type 2Family construction formfree cable endNo. of poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles4PIN 1+PIN 2n.c.PIN 3-PIN 4NO S 1	Oil resistance	Good, application-related testing   DIN EN 60811-404
Travel speed (C-track)2 Mio. @ 25 °CConnection type 2Family construction formfree cable endNo. of poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles4PIN 1+PIN 2n.c.PIN 3-PIN 4NO S 1	Bending radius (fixed)	5 x Outer diameter
Connection type 2Family construction formfree cable endNo. of poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles4PIN 1+PIN 2n.c.PIN 3-PIN 4NO S 1	Bending radius (dynamic)	10 x Outer diameter
Family construction formfree cable endNo. of poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles4PIN 1+PIN 2n.c.PIN 3-PIN 4NO S 1	Travel speed (C-track)	2 Mio. @ 25 °C
No. of poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles4PIN 1+PIN 2n.c.PIN 3-PIN 4NO S 1	Connection type 2	
Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles4PIN 1+PIN 2n.c.PIN 3-PIN 4NO S 1	Family construction form	free cable end
GenderfemaleColor contact carrierblackCodingANo. of poles4PIN 1+PIN 2n.c.PIN 3-PIN 4NO S 1	No. of poles	11
Color contact carrierblackCodingANo. of poles4PIN 1+PIN 2n.c.PIN 3-PIN 4NO S 1	Family construction form	M12
Coding         A           No. of poles         4           PIN 1         +           PIN 2         n.c.           PIN 3         -           PIN 4         NO S 1	Gender	female
No. of poles         4           PIN 1         +           PIN 2         n.c.           PIN 3         -           PIN 4         NO S 1	Color contact carrier	black
PIN 1         +           PIN 2         n.c.           PIN 3         -           PIN 4         NO S 1	Coding	A
PIN 2         n.c.           PIN 3         -           PIN 4         NO S 1	No. of poles	4
PIN 3         -           PIN 4         NO S 1	PIN 1	+
PIN 4 NO S 1	PIN 2	n.c.
	PIN 3	-
PIN 5 PE	PIN 4	NO S 1
	PIN 5	PE

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: 2024-05-19

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