

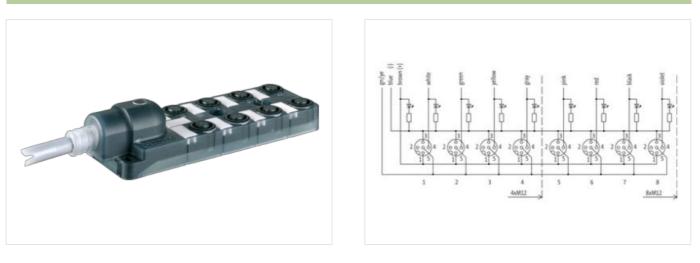
## EXACT12, 8XM12, 4 POLE MOULDED CABLE

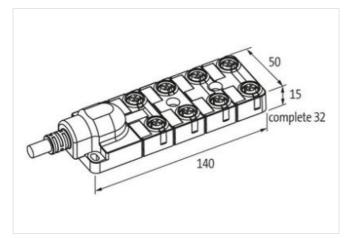
3.0m PUR/PVC 8x0,34+3X0.75, UL/CSA

8-way, 4-pole PUR/PVC Further cable lengths on request. 3.0 m 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





M12-Females 4-pole (N/O)-(S1)  $\overline{+}$ blue (-) rown gu/ye for 1 signal per port 1 2

Product may differ from Image



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

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| 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  | 4048879054270   |
| Packaging unit  | 1   |
| Electrical data   Supply  |   |
|   | 24 V  |
| Operating voltage DC<br>Current operating per contact max.  | 4 A   |
|   | 48  |
| Installation   Connection   |   |
| Mounting set  | M12 x 1   |
| Device protection   Electrical  |   |
| Degree of protection (EN IEC 60529)   | IP65, IP67  |
| Device protection   Media   |   |
| Flame resistance  | flame retardant   |
|   |   |
| Mechanical data   Material data   |   |
| Material housing  | Plastic   |
| Mechanical data   Mounting data   |   |
| Mounting method   | Schraubgewinde  |
| Environmental characteristics   Climatic  |   |
| Operating temperature min.  | -20 °C  |
| Operating temperature max.  | 70 °C   |
| Additional condition temperature range  | depending on cable quality  |
| Installation   Cable  |   |
| Cable identification  | 362   |
| Cable Type  | 2   |
| STOOW style jacket  | Lybrid, Signal, Power   |
| Jacket Color  | gray  |
| Type of Certificate   | cURus   |
| Amount stranding  | 1   |
| Stranding   | 2 wires with Filler twisted   |
| -   |   |
| Amount stranding (type 2)   | 1   |
| Amount stranding (type 2) Stranding (type 2)  | 1   |
| Amount stranding (type 2)<br>Stranding (type 2)<br>Filler   |   |
| Stranding (type 2)  | 1       9 wires around Stranding combination twisted  |
| Stranding (type 2)<br>Filler  | 1<br>9 wires around Stranding combination twisted<br>yes  |
| Stranding (type 2)<br>Filler<br>wire arrangement  | 1         9 wires around Stranding combination twisted         yes         white, violet, (green, yellow, gray, pink, red, black, brown, blue, green-yellow)  |
| Stranding (type 2)<br>Filler<br>wire arrangement<br>Cable weigth  | 1         9 wires around Stranding combination twisted         yes         white, violet, (green, yellow, gray, pink, red, black, brown, blue, green-yellow)         115,5 g/m  |
| Stranding (type 2)<br>Filler<br>wire arrangement<br>Cable weigth<br>Material jacket   | 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  |
| Stranding (type 2)<br>Filler<br>wire arrangement<br>Cable weigth<br>Material jacket<br>Shore hardness jacket  | 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   |
| Stranding (type 2)         Filler         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)   | 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  |
| Stranding (type 2)         Filler         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)   | 1         9 wires around Stranding combination 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   |
| 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         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 %   |
| 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         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   |
| 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         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  |
| 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         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  |
| 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         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                              |
| 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         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               |
| 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 | 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 % |

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| Diamster of single wines         0.15 mm           Conductor crossection (wine)         0.34 mmP           Material conductor viva (         Strand class 5           Torvel speed (CFrack)         3           Material wine insulation (Power)         PVC           Outrof dameter vive insulation (Power)         1.6 mm           Torvers outer dismeter vive insulation (Power)         425 Store D           Outer dameter vive insulation (Power)         425 Store D           Material properties wire insulation (Power)         425 Store D           Store Intradents wire insulation (Power)         424 Store D           Diameter of single wire (Power)         424           Diameter of single wire (Power)         0.2 mm           Wire conductor rooms section (Power)         0.25 mm²           Manust strads. wire (Power)         0.30 V           Manust strads. wire (Power)         0.30 V           Manust strads. wire (Power)         30 V <tr< th=""><th>Ingredient freeness wire insulation</th><th>lead-free, cadmium-free, CFC-free, silicone-free</th></tr<>   | Ingredient freeness wire insulation               | lead-free, cadmium-free, CFC-free, silicone-free     |
|---|---|--|
| Anount strands (wine)         19           Diameter of angle wines         0.15 mm           Conductor crossestation (wine)         Strandod copper wine, bare           Material conductor wine         Strandod copper wine, bare           Conductor type deed (C-rack)         3           Material conductor wine insulation (Power)         1.8 mm           Tolerance auter dameter wine insulation (Power)         1.8 mm           Tolerance auter dameter wine insulation (Power)         45 %           Since hardness wine insulation (Power)         add-free. cadmium-free, CFC-free, allicone-free           Arrount strands wire insulation (Power)         24 free. cadmium-free, CFC-free, allicone-free           Mine conductor cost section (Power)         22 mm           Wire conductor cost section (Power)         23 free/           Mine conductor or section (Power)         Strand closups 5           Mine, rated voltage (conductor - conductor)         300 V           Upp restituece         7,8 A           Current back capacity rin. wire         4 A           Current back capacity rin. wire   |   |  |
| Conductor consessedion (wine)         0.34 mm <sup>2</sup> Material conductor wine         Stranded cape wine, bare           Ordinder type (wine)         Strande dass 5           Travel speed (Crinck)         3           Material wine insulation (Power)         1.8 mm           Toravers outper wine, bare         3           Material une insulation (Power)         1.8 mm           Toravers outper wine insulation (Power)         1.8 mm           Toravers outper wine insulation (Power)         1.8 de Tree, cadmium-free, CPC-tree, silcone-free           Amount strands wine insulation (Power)         24           Diamater of single wires (Power)         0.2 mm           Wire conductor reside conductor wire (Power)         0.2 mm           Material conductor wire (Power)         0.2 mm           Material conductor wire (Power)         0.30 V           Conduct type wire (Power)         Stranded capper wire, bare           Conduct type wire (Power)         0.07 Mm           Material canditor in wire (Power)         0.09 V           Conduct type wire (Power)  | Amount strands (wire)                             | 19   |
| Material conductor view         Stranded copper wire, bare           Conductor type (wire)         Strand class 5           Trunk speed (Cracks)         3           Material wire inculation (Power)         PVC           Outer diameter wire insulation (Power)         18 mm           Torance outer diameter wire insulation (Power)         43.5 Shore D           Material unitation (Power)         43.5 Shore D           Material properties wire insulation (Power)         good mathinability           Shore hardness wire insulation (Power)         24           Dimmeter of single wire (Power)         0.2 mm           Wire conductor cross section (Power)         24           Dimmeter of single wire (Power)         0.75 mm <sup>2</sup> Material conductor wire (Power)         0.75 mm <sup>2</sup> Material conductor wire (Power)         0.75 mm <sup>2</sup> Material conductor wire (Power)         0.07 V           Loop resistance         7.8 A           Current Loat capacity (standard)         100 NV DE 0284 4           Current Loat capacity (standard)         20 DW 0 620 °C           AC withstand voltage (renductor - sonnuctor)         300 °C           AC withstand voltage (wire - wire)         24 Ø @ 60 s           Current Loat capacity (standard)         20 DW 0 620 °C <t< td=""><td>Diameter of single wires</td><td>0,15 mm</td></t<>  | Diameter of single wires                          | 0,15 mm  |
| Conclusion type (wine)         Strand dass 5           Travel speed (C-track)         3           Markari Awie naculation (Power)         I.A.m.           Totarence outer family the insulation (Power)         1.5 %           Strone hardness wire insulation (Power)         435.5 Nore D           Material grouporties wire insulation (Power)         435.5 Nore D           Material properties wire insulation (Power)         900 muchinability           Ingredient freeness wire insulation (Power)         900 muchinability           Ingredient freeness wire insulation (Power)         924 Tree, cadmium free, CFC free, silicone free           Amount strands wire (Power)         0.2 mm           Wile conductor or sestion (Power)         Strand deceptor wire, bare           Conductor type wire (Power)         Strand deceptor wire, bare           Conductor type wire (Power)         Strand deceptor wire, bare           Control to capacity (standard)         DIN DV DC 0284 4           Current to acquapity (standard)         DIN DV DC 0284 4           Current to acquapity (standard)         Standed Copacity C           Adverties at stance in aconstant wire         Stander Copacity C           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Min operature (standard)         Stander Copacacity cestander           Dor C  | Conductor crosssection (wire)                     | 0,34 mm <sup>2</sup>                                 |
| Conclusion type (wine)         Strand dass 5           Travel speed (C-track)         3           Markari Awie naculation (Power)         I.A.m.           Totarence outer family the insulation (Power)         1.5 %           Strone hardness wire insulation (Power)         435.5 Nore D           Material grouporties wire insulation (Power)         435.5 Nore D           Material properties wire insulation (Power)         900 muchinability           Ingredient freeness wire insulation (Power)         900 muchinability           Ingredient freeness wire insulation (Power)         924 Tree, cadmium free, CFC free, silicone free           Amount strands wire (Power)         0.2 mm           Wile conductor or sestion (Power)         Strand deceptor wire, bare           Conductor type wire (Power)         Strand deceptor wire, bare           Conductor type wire (Power)         Strand deceptor wire, bare           Control to capacity (standard)         DIN DV DC 0284 4           Current to acquapity (standard)         DIN DV DC 0284 4           Current to acquapity (standard)         Standed Copacity C           Adverties at stance in aconstant wire         Stander Copacity C           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Min operature (standard)         Stander Copacacity cestander           Dor C  | Material conductor wire                           | Stranded copper wire, bare                           |
| Trevel speed (C-rack)         3           Attachal vivi insulation (Power)         PVC           Outer diameter vive insulation (Power)         1.8 min           Toterance outer diameter vive insulation (Power)         45 %           Shore hardness wire insulation (Power)         42.15 Store D           Meterial properties wire insulation (Power)         43.15 Store D           Ingredient feeness wire insulation (Power)         24           Diameter of single wires (Power)         0.2 min           Wire conductor cross section (Power)         0.7 min           Wire conductor vive (Power)         Strand class 5           Max. rated voltage (conductor - conductor)         300 V           Long resistance         7.8 A           Corrent load capacity (standard)         10 DN VDE C396-4           Corrent load capacity (standard)         10 VY QP 0.5           Power froguency withstand voltage (wire - 20 C Min QP 0.5         20 VQ 0.6           Corrent load capacity (standar   | Conductor type (wire)                             |  |
| Material wire insulation (Power)         PVC           Outer dimenser wire insulation<br>(Power)         1.8 mm           Tolerance outer swire insulation<br>(Power)         43:5 Shore D           Material properties wire insulation (Power)         92:0 contactive statistics           Material properties wire insulation (Power)         92:0 contactive statistics           Material properties wire insulation (Power)         92:0 contactive statistics           Material properties wire insulation (Power)         92:4           Diameter of single wires (Power)         92 mm           Wire concluder cross section (Power)         92 mm           Material conductor wire (Power)         93 market documese           Max. rated voltage (conductor - conductor)         90:0 V           Max. rated voltage (conductor - word)         90:0 V           Current load capacity min. wire         4 A           Electrical resistance line constant wire wire)         72:0 Km @ 20:0 °C           Electrical resistance line constant wire wire)         22:0 Km @ 20:0 °C           Ac withstand voltage (wire - wire)         24:0 @ 0:0 s           Min. oparating temperature (static)         30:0 °C<   |   | 3  |
| Outer diameter wire insulation (Power)         1.8 mm           Tolerance outer diameter wire insulation (Power)         45 %           Shore hardness wire insulation (Power)         435 Shore D           Material properties wire insulation (Power)         6ad machinability           Ingradient fueness wire insulation (Power)         6ad machinability           Diameter of angle wires (Power)         6ad machinability           Diameter of angle wires (Power)         6.2 mm           Wire conductor cross section (Power)         0.7 mm*           Material and outer (rever)         7.5 mm*           Material conductor cross section (Power)         9.0 V           Conductor pross section (Power)         90 V           Max. rated voitage (conductor - conductor)         900 V           Loop resistance         7.8 A           Current toad capacity (standard)         100 IV VDE 0288 4           Current toad capacity (standard)         100 IV VDE 0288 4           Current toad capacity (standard)         100 IV VDE 0288 4           Ac mitstaad voitage (wire, wire)         20 Am @20 °C           Electrical resistance counds wire (Power)         20 Am @20 °C           Act witstaad voitage (wire, wire)         20 VC @6 0 s           Mine operating temperature (stasid)         30 °C           Act witstaad voitage (   |   | PVC  |
| Toterance outer diameter wire insulation<br>(Power)         45 %           Shore hardness wire insulation (Power)         93±5 Shore D           Material properties wire insulation (Power)         9000 machinability<br>impordent freeness wire insulation (Power)           Material properties wire insulation (Power)         24           Diameter of single wires (Power)         0.2 mm           Wire conclustor resis section (Power)         Stranded copper wire, bare           Onductor type wire sescient (Power)         Stranded copper wire, bare           Onductor type wire (Power)         Stranded copper wire, bare           Conductor type wire (Power)         Stranded copper wire, bare           Conductor type wire (Power)         Stranded copper wire, bare           Contrott type wire (Power)         Stranded copper wire, bare           Current load capacity (strander)         to DIN VDE 0298-4           Current load capacity min. wire         4 A           Electraal resistance line constant wire         57 QArm @20 °C           Content load capacity min. wire         4 A           Electraal resistance line constant wire         57 QArm @20 °C           A substand voltage (wire -<br>isstei)         56 Qis no @20 °C           Power frequency wirtistand voltage (wire -<br>isstei)         57 °C           Operating temperature (fistdi)         -30 °C  | . ,   | 1.8 mm   |
| Material properties wire insulation (Power)         good machinability           Ingredent treemess wire insulation (Power)         0.2 mm           Diameter of single wires (Power)         0.2 mm           Wire conductor cross section (Power)         0.75 mm <sup>2</sup> Material conductors wire (Power)         Stranded copper wire, bare           Conductor ross section (Power)         Stranded copper wire, bare           Conductor rose action wire (Power)         Stranded copper wire, bare           Conductor conductor conductor         300 V           Loop resistance         7.8 A           Current toad capacity (standert)         to DIN VDE 0298-4           Current toad capacity min. wire         to Z Nr @ 20 °C           Actinstand vottage (wire - wire)         to N @ 20 °C   | Tolerance outer diameter wire insulation (Power)  |  |
| Ingredient freeness wire insulation (Power)         lead-free, cadmium free, CFC-free, silicone-free           Amount strands wire (Power)         24           Dimeter of single wires (Power)         0,25 mm²           Material conductor wire (Power)         Stranded copper wire, bare           Conductor ty wire (Power)         Stranded copper wire, bare           Conductor ty wire (Power)         Stranded cosper wire, bare           Conductor ty wire (Power)         Stranded cosper wire, bare           Conductor ty wire (Power)         300 V           Max. rated voltage (conductor - conductor)         300 V           Max. rated voltage (conductor - conductor)         300 V           Current load capacity (standurd)         to DIN VDE 0280-4           Current load capacity (standurd)         to DIN VDE 0280-4           Current load capacity (wire wire)         2 fo DAm @ 20 °C           Electrical resistance inse constant wire         2 AV @ 60 s           Power frequerey withstand voltage (wire wire)         2 AV @ 60 s           Min. operating temperature (fixed)         30 °C           Content terestance         Good, application-related testing      <   | Shore hardness wire insulation (Power)            | 43±5 Shore D   |
| Amount strands wire (Power)         24           Diameter of single wires (Power)         0.2 mm           Wite conductor ross section (Power)         0.75 mm²           Matarial conductor wire (Power)         Stranded copper wire, bare           Conductor type wire (Power)         Stranded copper wire, bare           Maker rated vollage (conductor - ground)         300 V           Loop resistance         7.8 A           Current load capacity (standard)         to DN VDE 0286-4           Current load capacity (standard)         to DN VDE 0286-4           Current load capacity (standard)         to DN VDE 0280-4           Current load capacity (standard)         to DN VDE 0280-4           Current load capacity (standard)         to DN VDE 0280-4           Current load capacity (standard)         to DN VDE 0290 °C           A do withstand voltage (wire - wire)         2 k V @ 60 s           Min. operating temperature (statc)         -30 °C           Operating temperature (fixed)         80 °C           Operating temperature (fixed)         80 °C           Operating temperature (fixed)         80 °C           Operating temperature max. (dynamic)         70 °C           Flame resistance         Good, application-related testing           Gasoline resistance         Good, application-related testi   | Material properties wire insulation (Power)       | good machinability                                   |
| Amount strands wire (Power)         24           Diameter of single wires (Power)         0.2 mm           Wite conductor ross section (Power)         0.75 mm²           Matarial conductor wire (Power)         Stranded copper wire, bare           Conductor type wire (Power)         Stranded copper wire, bare           Maker rated vollage (conductor - ground)         300 V           Loop resistance         7.8 A           Current load capacity (standard)         to DN VDE 0286-4           Current load capacity (standard)         to DN VDE 0286-4           Current load capacity (standard)         to DN VDE 0280-4           Current load capacity (standard)         to DN VDE 0280-4           Current load capacity (standard)         to DN VDE 0280-4           Current load capacity (standard)         to DN VDE 0290 °C           A do withstand voltage (wire - wire)         2 k V @ 60 s           Min. operating temperature (statc)         -30 °C           Operating temperature (fixed)         80 °C           Operating temperature (fixed)         80 °C           Operating temperature (fixed)         80 °C           Operating temperature max. (dynamic)         70 °C           Flame resistance         Good, application-related testing           Gasoline resistance         Good, application-related testi   | Ingredient freeness wire insulation (Power)       | lead-free, cadmium-free, CFC-free, silicone-free     |
| Diameter of single wires (Power)         0,75 mm²           Wire conductor cross section (Power)         Strand closs review, bare           Conductor type wire (Power)         Strand closs 5           Max. rated voltage (conductor - conductor)         300 V           Loop resistance         7.8 A           Current load capacity (standardy)         to DIN VDE 098-4           Current load capacity (standardy)         to DIN VDE 098-4           Current load capacity (standardy)         26 DKm @ 20 °C           Electrical resistance ine constant wire         57 D/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire)         2 kV @ 60 s           Power frequency withstand voltage (wire)         2 kV @ 60 s           Operating temperature (static)         -30 °C           Operating temperature (static)         -30 °C           Operating temperature (static)         -5 °C           Operating temperature max. (stymamic)         7 °C °C  | Amount strands wire (Power)                       |  |
| Wire conductor cross section (Power)         0,75 mm²           Material conductor wire (Power)         Stranded copper wire, bare           Conductor type wire (Power)         300 V           Max. rated voltage (conductor - conductor)         300 V           Loop resistance         7.8 A           Current load capacity (standard)         to DIN VDE 0299.4           Current load capacity (standard)         to DIN VDE 0299.4           Current load capacity (standard)         to DIN VDE 0290.4           Current load capacity (standard)         to DIN WDE 0290.4           Rescription (Power)         2 & DM @ 20 °C           Act withstand voltage (wire - wire)         2 & V @ 80 s           Power frequency withstand voltage (wire - wire)         2 & V @ 60 s           Min. operating temperature (static)         -30 °C           Max. operating temperature (static)         -30 °C           Parating temperature (static)         -00 °C           Deparing temperature (static)         -00 °C           Gasoline resistance         Good, application-related testing           Oil resistance         Good,  | Diameter of single wires (Power)                  | 0,2 mm   |
| Material conductor wire (Power)Strande doopper wire, bareConductor type wire (Power)Strand class 5Max. rated voltage (conductor - conud)300 VLoop resistance7,8 ACurrent load capacity (standard)to DIN VDE 0296.4Current load capacity (standard)57 D/km @ 20 °CElectrical resistance constant wire57 D/km @ 20 °CElectrical resistance constant wire57 D/km @ 20 °CAC withstand voltage (wire - wire)2 k/ @ 80 sPower frequency withstand voltage (wire - wire)2 k/ @ 60 sNin. operating temperature (static)30 °COperating temperature (static)30 °COperating temperature (static)70 °CFlam resistanceGood, application-related testingOperating temperature (static)70 °CFlam resistanceGood, application-related testingGasoline resistanceGood, application-related testingOir resistanceGood, application-related testingGood, application-related testing10 x Outer diameterFamily construction formfree cable endNo. of poles11Family construction formfree cable endNo. of poles11Family construction formfree cable endCordingANo. of poles14PiN 1+PiN 2n.c.PiN 4NO S 1  | Wire conductor cross section (Power)              |  |
| Conductor type wire (Power)         Strand class 5           Max. rated voltage (conductor - orouductor)         300 V           Max. rated voltage (conductor - orouductor)         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Dever fraguences         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Max. advertaing temperature (stance)         to DX @ 60 s           Mon. operating temperature (stance)         a0 °C           Max. operating temperature min. (stynamic)         -5° °C           Operating temperature min. (stynamic)         5° °C           Operating temperature min. (stynamic)         70 °C           Filame resistance         UL 1581 § 1090 [ IEC 6032-2: 2   UL 1581 § 1100 FT2           chamical resistance         Good, application-related testing           Oli resistance         Good, application-related testing  | Material conductor wire (Power)                   |  |
| 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)         to DIN VDE 0298-4           Current load capacity (standard)         20 °C           Electrical resistance coating wire (Power)         26 C/km @20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - apacet in the intervence of the inter |   |  |
| Max. rated voltage (conductor - ground)         300 V           Loop resistance         7.8 A           Current load capacity (standard)         to DIN VDE 0288-4           Current load capacity (standard)         to DIN VDE 0280-4           Current load capacity (standard)         57 D/km @ 20 °C           Electrical resistance coating wire (Power)         26 D/km @ 20 °C           AC withstand voltage (wire - wire)         2 k/ @ 60 s           Power frequency withstand voltage (wire - lacker)         2 k/ @ 60 s           Power frequency withstand voltage (wire - lacker)         30 °C           Akax. operating temperature (static)         30 °C           Max. operating temperature min. (dynamic)         -5 °C           Operating temperature max. (dynamic)         70 °C           Filame resistance         Good, application - related testing           Gasoline resistance         Good, application - related testing           Gasoline resistance         Good, application - related testing           Oil resistance         Good, application - related testing           Bending radius (fixed)         5 x Outer diameter           Travel speed (C-track)         2 Mio. @ 25 °C           Concection type 2         1           Family construction form         free cable end           No. of poles <td< td=""><td>Max. rated voltage (conductor - conductor)</td><td></td></td<>  | Max. rated voltage (conductor - conductor)        |  |
| Loop resistance         7,8 A           Current load capacity (standard)         to DIN VDE 0298-4           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 - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - iacket)         30 °C           Max. operating temperature (static)         30 °C           Max. operating temperature (diver)         26 °C           Operating temperature (fixed)         80 °C           Operating temperature (diver)         70 °C           Flame resistance         UL 1581 § 1090   ICC 60332-2-2   UL 1581 § 1100 FT2           Operating temperature max. (dynamic)         70 °C           Flame resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Bending radius (kixed)         5 x Outer diameter           Bending radius (kixed)         5 x Outer diameter           Bending radius (kixed)         2 Mio. @ 25 °C           Concection type 2         11           Family construction form         free cable end   |   | 300 V  |
| Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4 A           Electric resistance line constant wire         57 Ω/km @ 20 °C           Electrical resistance coating wire (Power)         26 Ω/km @ 20 °C           AC withstand voltage (wire - intervine)         2 kV @ 60 s           Power frequency withstand voltage (wire - intervine)         2 kV @ 60 s           Min. operating temperature (static)         -30 °C           Max. operating temperature (iscad)         80 °C           Operating temperature (incod)         80 °C           Operating temperature (incod)         70 °C           Flame resistance         UL 1581 § 1000   IEC 60332-2-2   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Careet using         Good, application-related testing           Careet using         5 × Outer diameter           Bending radius (tixed)         5 × Outer diameter           Bending radius (dynamic)         10 × Outer diameter           Travel speed (C-track)         2 Mic. @ 25 °C           Concenton type 2         Eacle end No. of poles           Family construction form         free cable end           No. of poles         11           Family construction form         M12   |   |  |
| Current load capacity min. wire4 AElectrical resistance line constant wire57 $\Omega$ km @ 20 °CA Withstand voltage (wire-wire)2 6 $\Omega$ km @ 20 °CA Withstand voltage (wire-wire)2 kV @ 60 sPower frequency withstand voltage (wire-<br>(acket)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature min. (dynamic)70 °CFlame resistanceUL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasolin resistanceGood, application-related testingOil resistanceGood, application-related testingBending radius (tiked)5 × Outer diameterTravel speed (C-track)2 Mio. @ 2 °CConcetton type 2EFamily construction formfree cable endNo. of poles11Family construction formM12GodragAColor contact carrierblackCodingANo. of poles4No. of poles4PIN 1+PIN 2n.c.PIN 4NO S 1  | •   |  |
| Electrical resistance line constant wire         57 Ω/km @ 20 °C           Electrical resistance coating wire (Power)         26 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire -<br>jacket)         2 kV @ 60 s           Min. operating temperature (fixed)         30 °C           Operating temperature (fixed)         80 °C           Operating temperature (fixed)         80 °C           Operating temperature (fixed)         70 °C           Flame resistance         UL 1581 § 1090   EC 60332-2-2   UL 1581 § 1100 FT2           Operating temperature max. (dynamic)         70 °C           Flame resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oil resistance         Good, application-related testing  |   |  |
| Electrical resistance coating wire (Power)         26 Ω/km @20 °C           AC withstand voltage (wire - wire)         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 (static)         -50 °C           Operating temperature (static)         -50 °C           Operating temperature max. (dynamic)         -5 °C           Operating temperature max. (dynamic)         70 °C           Flame resistance         God, application-related testing           Gasoline resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Bending radius (fixed)         5 x Outer diameter           Bending radius (fixed)         5 x Outer diameter           Bending radius (gynamic)         10 x Outer diameter           Family construction form         free cable end           No. of poles         11           Family construction form         free cable end           No. of poles         4           PIN 1         +           PIN 2         A           No. of poles         4           PIN 2  |   |  |
| 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 (static)       -30 °C         Max. operating temperature (ixed)       80 °C         Operating temperature max. (dynamic)       -5 °C         Operating temperature max. (dynamic)       70 °C         Fiame resistance       UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2         chemical resistance       Good, application-related testing         Chemical resistance       Good, application-related testing         Casoline resistance       Good, application-related testing         Oil resistance       Good, application-related testing         Dir lesistance       Good, application-related testing         Contection type 2       2 Mio. @ 25 °C         Contection type 2       11         Family construction form       M12         Gender       female         Color contat carrier       black </td <td></td> <td></td>  |   |  |
| Power frequency withstand voltage (wire -<br>jacket)         2 kV @ 60 s           Min. operating temperature (static)         -30 °C           Max. operating temperature (fixed)         80 °C           Operating temperature (fixed)         80 °C           Operating temperature (ixed)         80 °C           Operating temperature (fixed)         80 °C           Operating temperature (ixed)         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           Oll resistance         Good, application-related testing           Diffusitance         Good, application-related testing           Oll resistance         Good, application-related testing           Oll resistance         Good, application-related testing           Diffusitance         Good, application-related testing           Diffusitance         S × Outer diameter           Travel speed (C-track)         2 Mio. @ 25 °C           Connection type 2         Fee cable end           No. of poles         11           Family construction form         M12           Gender         female           Color contact carrier         blac  |   | -  |
| Max. operating temperature (fixed)80 °COperating 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 testingOil resistanceGood, application-related testingBending 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   | Power frequency withstand voltage (wire - jacket) | -  |
| 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           Oll resistance         Good, application-related testing           Oll 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   | Min. operating temperature (static)               | -30 °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           Oll resistance         Good, application-related testing           Oll 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   | Max. operating temperature (fixed)                | 80 °C  |
| 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 3-PIN 4NO S 1  | Operating temperature min. (dynamic)              | -5 °C  |
| chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing J 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 carrierblackColingANo. 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  |
| 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 carrierblackColingANo. of poles4PIN 1+PIN 2n.c.PIN 3-PIN 4NO S 1   | chemical resistance                               | Good, application-related testing                    |
| Bending radius (fixed)5 × Outer diameterBending radius (dynamic)10 × 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 |
| 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   | 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                                  |
| 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  | 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: 2024-05-17

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