

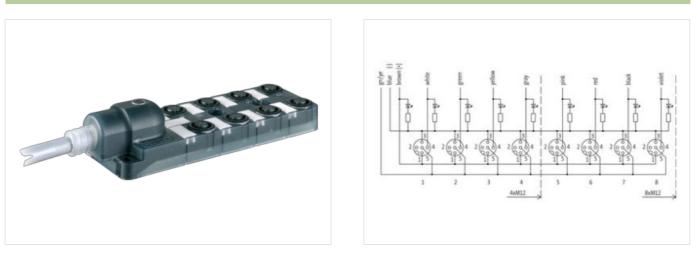
## EXACT12, 8XM12, 4 POLE, MOULDED CABLE

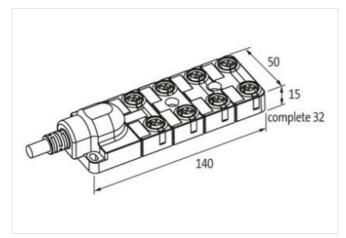
20.0m PUR/PVC 8x0.34+3x0.75, UL/CSA

8-way, 4-pole PUR/PVC Further cable lengths on request. 20.0 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	

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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ECLASS 10.1      27440108        ECLASS 12.0      27440108        ECLASS 12.0      27440108        ETMA-5.0      ECD02585        Catoms futfr muther      6544290        GTN      44987821019        Packaging unit      1        Electrical data I Supply         Corrent operating per constart max.      4        Installion I Concection      M2 2 1        Device protection I Electrical         Markinal data I Natural data         Maching data I Natural data         Device protection I Electrical         Device protection I Electrical         Maching data I Natural data         Maching method      Statualpswinde        Environmetal charactristals I Statual data         Machinal Condito I Natural data	ECLASS-9.0	27440108
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Shore hardness jacket87 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)8,1 mmTolerance outer diameter (sheath)± 5 %Material inner jacketPVCColor (inner jacket)grayMaterial wire insulationPVCAmount wires8Outer diameter insulation1,3 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore D		
Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)8,1 mmTolerance outer diameter (sheath)± 5 %Material inner jacketPVCColor (inner jacket)grayMaterial wire insulationPVCAmount wires8Outer diameter insulation1,3 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore D		
Outer-diameter (jacket)8,1 mmTolerance outer diameter (sheath)± 5 %Material inner jacketPVCColor (inner jacket)grayMaterial wire insulationPVCAmount wires8Outer diameter insulation1,3 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore D		
Tolerance outer diameter (sheath)± 5 %Material inner jacketPVCColor (inner jacket)grayMaterial wire insulationPVCAmount wires8Outer diameter insulation1,3 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore D		
Material inner jacketPVCColor (inner jacket)grayMaterial wire insulationPVCAmount wires8Outer diameter insulation1,3 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore D		•
Color (inner jacket)grayMaterial wire insulationPVCAmount wires8Outer diameter insulation1,3 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore D		
Material wire insulation  PVC    Amount wires  8    Outer diameter insulation  1,3 mm    Outer diameter tolerance core insulation  ± 5 %    Shore hardness wire insulation  43 ± 5 Shore D		
Amount wires8Outer diameter insulation1,3 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore D		
Outer diameter insulation1,3 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore D		
Outer diameter tolerance core insulation  ± 5 %    Shore hardness wire insulation  43 ± 5 Shore D		
Shore hardness wire insulation  43 ± 5 Shore D		

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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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        Torverso cuter diameter vive insulation (Power)      435.5 Store D        Material investment (Power)      435.5 Store D        Material properties wire insulation (Power)      435.5 Store D        Material properties wire insulation (Power)      435.5 Store D        Material properties wire insulation (Power)      424        Diameter of single wires (Power)      0.2 mm        Wire conductor rooms section (Power)      0.25 mm²        Manust strads. wire (Power)      0.25 mm²        Manust strads. wire (Power)      0.25 mm²        Material conductor viron (Power)      0.30 V        Manust strads. wire (Power)      30 V        Material conductor viron (Power)      30 V        Material conductor viron (Power)      30 V        Material conductor viron (Power)      30 V        Material viron (Power)      30 V        Material viron (Power)      30 V <th>Ingredient freeness wire insulation</th> <th>lead-free, cadmium-free, CFC-free, silicone-free</th>	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-track)      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 strads wire insulation (Power)      24 free. cadmium-free, CFC-free, allicone-free        Mine conductor cose section (Power)      24 free. cadmium-free, CFC-free, allicone-free        Mine conductor conductor cost ace section (Power)      25 mm²        Mine conductor cost ace section (Power)      300 V        Upp restationsc      7,8 A        Correct tod sapady min. wire      4 A        Correct tod capady min. 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 inculation (Power)      18 mm        Torance outer diameter wire inculation (Power)      43.5 Shore D        Material conductor vire inculation (Power)      24        Dimmer of angles wire inculation (Power)      24        Material conductor vire (Power)      30.7 mm²        Material conductor vire (Power)      30.0 V        Material conductor vire (Power)      30.0 V        Loop resistance      7.8 A        Current Loat capacity (standard)      10.0 NV DE 028.4        Current Loat capacity (standard)      20 DN V 02 028.4        Current Loat capacity (standard)      20 DN 02 029.4        Current Loat capacity (standard)      20 DN 02 029.4        Current Loat capacity (standard)      20 DN 02 029.4 <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)      9000 mobility        Internet outer family the insulation (Power)      9000 mobility        Internet outer family the insulation (Power)      9000 mobility        Material grouporties wire insulation (Power)      9000 mobility        Interdent frameness wire insulation (Power)      924        Diamotier of single wires (Power)      0.2 mm        Wile conductor or sombolicor      360 V        Max. rated voltage (conductor - combuctor)      360 V        Max. rated voltage (conductor - ground)      300 V        Current to a capacity (standard)      10 DIN VDE 0284 4        Current to a capacity (standard)      57 GAm @ 20 °C        Electrical resistance conting wire (Power)      2 KV @ 66 s        Min operature (stats)      30 °C        Coparating temperature (stats)      3 °C        Coparating temperature (stats)      3 °C        Coparating temperature (stats)	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        Adverted wire (Power)      Sta CA        Power freestations conting wire (Power)      Sta CA        Current to acquapity (standard)      Stard Copacity        Standed coststart wire (Power)      Sta CA	Material conductor wire	Stranded copper wire, bare
Trevel speed (C-rack)      3        Attachal wire insulation (Power)      PVC        Outer diameter wire insulation (Power)      1.8 mm        Tolerance outer diameter wire insulation (Power)      45 %        Shore hardness wire insulation (Power)      42.5 Store D        Metarial properties wire insulation (Power)      43.5 Store D        Ingredient feeness wire insulation (Power)      24        Diameter of single wires (Power)      0.2 mm        Wire conductor ross section (Power)      0.75 mm?        Diameter of single (conductor - conductor)      300 V        Mar. rated voltage (conductor)      0.00 V        Corrent load capacity (standard)      100 NV VE        Corrent load capacity (standard)      10 NV VE        Corrent load capacity (standard)      10 NV VE        Corrent load capacity (standard)      20 °C <t< td=""><td>Conductor type (wire)</td><td></td></t<>	Conductor type (wire)	
Material wire insulation (Power)      PVC        Outer dimenser wire insulation (Power)      1.8 mm        Tolerance outer swire insulation (Power)      43:5 Shore D        Material properties wire insulation (Power)      92:0 contactive states of the states of th		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 capazity riskndrru?      to IN VDE 0289.4        Current toad capazity riskndrru?      to IN (@ 0.0 °C        Capazity signatr		PVC
Toterance outer diameter wire insulation (Power)      45 %        Shore hardness wire insulation (Power)      93±5 Shore D        Material properties wire insulation (Power)      9000 machinability 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 wires section (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 Qkm @20 °C        Content load capacity min. wire      4 A        Electraal resistance line constant wire      57 Qkm @20 °C        A substand voltage (wire-issten)      26 Qkm @20 °C        Power frequency wirtistand voltage (wire-issten)      26 Qkm @20 °C        Power frequency wirtistand voltage (wire-issten)      26 Qkm @20 °C <td>. ,</td> <td>1.8 mm</td>	. ,	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        Diameter 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 copper 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        Operating temperature (max. (dynamic))      5 °C        Operating temperature (max. (dynamic))      5 °C        Operating temperature (max. (dynamic))      7 °C        Flame resistance      Good, application-related tes	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 029 °C        AC withstand voltage (wire - wire)      2 kV @ 60 s        Power fraguency withstand voltage (wire - withstand voltage (wire - wire)      2 kV @ 60 s        Rower fraguency withstand voltage (wire - withstandard)      2 kV @ 60 s        Power fraguency withstand voltage (wire - withstandard)      2 kV @ 60 s        Devering temperature (static)      -30 °C        Max. operating temperature (static)      -30 °C        Max. operating temperature min. (synamic)      7 °C        Filame resistance <t< td=""><td>Material conductor wire (Power)</td><td></td></t<>	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 - apace)      2 kV @ 60 s        Power frequency withstand voltage (wire - apace)      2 kV @ 60 s        Min. operating temperature (tstatic)      -30 °C        Operating temperature (tstatic)      -30 °C        Operating temperature (static)      -30 °C        Operating temperature (static)      -30 °C        Operating temperature (static)      -70 °C        Flame resistance      Good, application-related testing        Operating temperature max. (dynamic)      70 °C        Flame resistance      Good, application-related testing        Oil resistance      Good, application-related testing        Oil resistance      Good, application-related testing I DIN EN 60811-404        Bending radius		
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 (static)      30 °C        Operating temperature max. (dynamic)      -5 °C        Operating temperature max. (dynamic)      -5 °C        Operating temperature max. (dynamic)      70 °C        Filame 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      11        Family construction form      free cab	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        chaine resistance      Good, application-related testing        Carrent loss of application-related testing      Coll resistance        Good, application-related testing      Coll resistance        Good, application-related testing      Coll resistance        Bending radius (tixed)      5 x Outer diameter        Bending radius (dynamic)      10 x Outer diameter        Travel speed (C-track)      2 Mic. @ 25 °C        Concenton type 2      Easile end        Family construction form      M12        Gender      I		
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- (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 (fixed)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 - 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        PIN 3      -		
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 - jacket)      2 kV @ 60 s        Min. operating temperature (static)      -30 °C        Max. operating temperature (fixed)      80 °C        Operating temperature (ixed)      80 °C        Operating temperature (ixed)      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        Di resistance      So Cotester reack        Good resistance <td></td> <td>-</td>		-
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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