

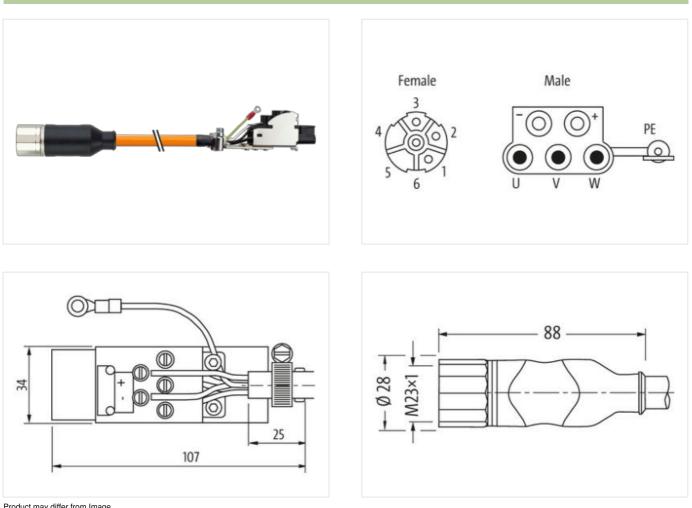
## **M23 SERVO CABLE**

Specification: 6FX8002-5CS01-1BJ0

Power cable for SINAMICS S120 and Motors with M23 connection Female straight - pre-wired terminals M23, 6-pole 4-pole used 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. Power cores: 12 A (1.5 mm<sup>2</sup>), 15 A (2.5 mm<sup>2</sup>); brake cores: 5 A (1.5 mm<sup>2</sup>)

## Link to Product

Illustration



Product may differ from Image

Cable length	18 m	
Side 1		
Tightening torque	2 Nm	
Family construction form	M23	
Thread	M23 x 1	
Width across flats	SW27	

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: 2024-05-21

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Operating voltage DC max.      630 V        Device protection [Electrical	Operating voltage DC max.      630 V        Device protection   Electrical        Degree of protection (EN IEC 60529)      IP20, IP67        Pollution Degree      3        Mechanical data   Material data      Coating looking      nickel plated        Material housing      PUR      Locking material      Brass        Mechanical data   Mounting data      Mounting method      inserted, screwed, Shaking protection        Environmental characteristics   Climatic      Operating temperature max.      85 °C        Operating temperature max.      85 °C      Operating temperature max.      85 °C        Additional condition temperature range      depending on cable quality      Important installation notes        Note on strain relief      Protect the connectors by suitable measures from mechanical loads, e.g.,        Note on bending radius      Attention: Observe the permissible bending radii when laying cables, as endangered by excessive bending forces.        Installation   Cable      write arrangement      black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow        Cable identification      854      dasket Color      orange        Type of Cartificate      cUFus      Gable shielding (type)      copper braid, tinned        Cable shielding (type) <td></td>	
Device protection (EN IEC 60529)      IP20, IP67        Pallution Degree      3        Mechanical data [Meterial data      Coating locking      nickel plated        Material housing      PUR      Coating locking      nickel plated        Material housing      PUR      Coating locking material      Brass        Mechanical data [Mounting data      Inserted, screwed, Shaking protection      Inserted, screwed, Shaking protection        Environmental characteristics   Climatic      Operating temperature min.      -25 °C      Operating temperature max.      85 °C        Additional condition temperature range      depending on cable quality      Important installation notes      Important installation notes        Note on strain relief      Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.      Note on bending radius      Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.        Installation   Cable      Vite vice vice vice vice vice vice vice vic	Device protection   Electrical        Degree of protection (EN IEC 60529)      IP20, IP67        Pollution Degree      3        Mechanical data   Material data      Coating locking      nickel plated        Material housing      PUR      Locking material      Brass        Mechanical data   Mounting data      Mounting method      inserted, screwed, Shaking protection        Environmental characteristics   Climatic      Operating temperature min.      -25 °C        Operating temperature max.      85 °C      Additional condition temperature range      depending on cable quality        Important installation notes      Note on bending radius      Attention: Observe the permissible bending radii when laying cables, as endangered by excessive bending forces.        Installation   Cable      wrie arrangement      black WI/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow        Cable identification      854      Jacket Color      orange        Type of Certificate      cURus      Amount stranding      1        Stranding      4 wires with Filler twisted      Cable shielding (type)      cooper braid, timed        Cable shielding (type)      cooper braid, timed      Cable shielding (type)      cooper braid, timed        Cable shielding (type)	
Degree of protection (EN IEC 60529)      IP20, IP67        Pollution Degree      3        Mechanical data   Material data      Coating locking        Material housing      PUR        Locking material      Brass        Mechanical data   Mounting data      Mounting method        Mounting method      inserted, screwed, Shaking protection        Environmental characteristics   Climatic      Operating temperature min.        -25 °C      Operating temperature max.        A8 °C      Additional condition temperature range        depending on cable quality      Important Installation notes        Note on strain relief      Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.        Note on bending radius      Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.        Installation   Cable      Vire arangement        black WIL3/DL+, black VIL2, green-yellow      Cable (definitication        date to climitication      85 %        Cable definitication      85 %        Gable shielding (type)      copper braid, tinned        Cable shielding (type)      copper braid, tinned        Cable shielding (type) </td <td>Degree of protection (EN IEC 60529)      IP20, IP67        Pollution Degree      3        Mechanical data   Material data      Coating locking      nickel plated        Material housing      PUR      Looking material      Brass        Mechanical data   Mounting data      Mounting method      inserted, screwed, Shaking protection        Environmental characteristics   Climatic      Operating temperature min.      -25 °C        Operating temperature max.      85 °C      Additional condition temperature range      depending on cable quality        Important installation notes      Note on strain relief      Protect the connectors by suitable measures from mechanical loads, e.g.        Note on bending radius      Attention: Observe the permissible bending radii when laying cables, as endangered by excessive bending forces.        Installation   Cable      wire arrangement      black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow        Cable identification      854      Gable shielding (type)      cooper braid, tinned        Gable shielding (type)      cooper braid, tinned      Gable shielding (coverage)      85 %        Banding      Fiber tape, Fleece      Filler      yes      Wrie arrangement      black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow      Cable weigth</td> <td></td>	Degree of protection (EN IEC 60529)      IP20, IP67        Pollution Degree      3        Mechanical data   Material data      Coating locking      nickel plated        Material housing      PUR      Looking material      Brass        Mechanical data   Mounting data      Mounting method      inserted, screwed, Shaking protection        Environmental characteristics   Climatic      Operating temperature min.      -25 °C        Operating temperature max.      85 °C      Additional condition temperature range      depending on cable quality        Important installation notes      Note on strain relief      Protect the connectors by suitable measures from mechanical loads, e.g.        Note on bending radius      Attention: Observe the permissible bending radii when laying cables, as endangered by excessive bending forces.        Installation   Cable      wire arrangement      black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow        Cable identification      854      Gable shielding (type)      cooper braid, tinned        Gable shielding (type)      cooper braid, tinned      Gable shielding (coverage)      85 %        Banding      Fiber tape, Fleece      Filler      yes      Wrie arrangement      black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow      Cable weigth	
Polution Degree    3      Mechanical data   Material data    Coaling locking      Material housing    PUR      Locking material    Brass      Mechanical data   Mounting data    Mounting method      Mounting method    inserted, screwed, Shaking protection      Environmental characteristics   Climatic    Operating temperature min.      -25 °C    Operating temperature max.      Additional condition temperature max.    85 °C      Additional condition temperature range    depending on cable quality      Important Installation notes    Mouton: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.      Installation   Cable    Virus OL-, black W/L3/DL-, black V/L2, green-yellow      Cable identification    854      Jacket Color    orange      Type of Certificate    cURus      Amount stranding    1      Stranding    4 wites with Filler twisted      Cable shielding (type)    copper braid, tinned      Cable shielding (type)    copper braid, tinned      Cable shielding (type)    s5 %      Banding    Fiber tape, Fleece      Filler    yes	Pollution Degree    3      Mechanical data   Material data    Coating locking    nickel plated      Material housing    PUR      Locking material    Brass      Mechanical data   Mounting data      Mounting method    inserted, screwed, Shaking protection      Environmental characteristics   Climatic      Operating temperature min.    -25 °C      Operating temperature max.    85 °C      Additional condition temperature range    depending on cable quality      Important installation notes    Note on strain relief      Note on strain relief    Protect the connectors by suitable measures from mechanical loads, e.g.      Note on bending radius    Attention: Observe the permissible bending radii when laying cables, as endangered by excessive bending forces.      Installation   Cable    wire arrangement    black WIL3/D/L-, black U/L1/C/L+, black V/L2, green-yellow      Cable identification    854    Jacket Color    orange      Type of Certificate    cURus    Amount stranding    1      Stranding    4 wires with Filler twisted    Cable shielding (coverage)    85 %      Banding    Fiber tape, Fleece    Filler    yes      wire arangement    black WL3/D/L-, black	
Mechanical data   Material data        Coating locking      nickel plated        Material housing      PUR        Locking material      Brass        Mechanical data   Mounting data      Inserted, screwed, Shaking protection        Mounting method      inserted, screwed, Shaking protection        Environmental characteristics   Climatic      Operating temperature min.      -25 °C        Operating temperature max.      85 °C      Additional condition temperature range      depending on cable quality        Important installation notes      Note on strain relief      Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.        Note on bending radius      Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.        Installation   Cable      Wick arrangement      black WL3/DL-, black U/L1/C/L+, black V/L2, green-yellow        Cable identification      854      Jacket Color      or arrange        Type of Certificate      cuRus      Amount stranding      1        Stranding      4 wires with Filler twisted      Cable shielding (type)      copper braid, finned        Cable shielding (type)      copper braid, finned      Cable shielding (coverage)      <	Mechanical data   Material data        Coating locking      nickel plated        Material housing      PUR        Locking material      Brass        Mechanical data   Mounting data      Mounting method        Mounting method      inserted, screwed, Shaking protection        Environmental characteristics   Climatic      Operating temperature min.        Operating temperature max.      85 °C        Additional condition temperature range      depending on cable quality        Important installation notes      Note on strain relief        Note on bending radius      Attention: Observe the permissible bending radii when laying cables, as endangered by excessive bending forces.        Installation   Cable      wire arrangement        black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow        Cable identification      854        Jacket Color      orange        Type of Cartificate      cUPus        Amount stranding      1        Stranding      4 wires with Filler twisted        Cable shielding (type)      copper braid, tinned        Cable shielding (coverage)      85 %        Banding      Fiber tape, Fleece        Filler      yes	
Coating locking      nickel plated        Material housing      PUR        Locking material      Brass        Mechanical data   Mounting data      Inserted, screwed, Shaking protection        Environmental characteristics   Climatic      Operating temperature min.        Operating temperature min.      -25 °C        Operating temperature max.      85 °C        Additional condition temperature range      depending on cable quality        Important installation notes      Note on strain relief        Note on strain relief      Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.        Note on bending radius      Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endrangered by excessive bending forces.        Installation   Cable      urise arrangement        Wick with S/DL-, black U/L1/C/L+, black V/L2, green-yellow      Cable identification        Jacket Color      orange        Type of Certificate      cuRus        Amount stranding      1        Stranding      4 wires with Filler twisted        Cable shielding (type)      copper braid, inned        Cable shielding (coverage)      85 %        Banding      Fiber tap	Coating locking      nickel plated        Material housing      PUR        Locking material      Brass        Mechanical data   Mounting data      Mounting method        Mounting method      inserted, screwed, Shaking protection        Environmental characteristics   Climatic      Operating temperature main.        Operating temperature max.      85 °C        Additional condition temperature range      depending on cable quality        Important installation notes      Note on strain relief        Note on bending radius      Attention: Observe the permissible bending radii when laying cables, as endangered by excessive bending forces.        Installation   Cable      wire arrangement        wire arrangement      black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow        Cable identification      854        Jacket Color      orange        Type of Certificate      cURus        Amount stranding      1        Stranding      4 wires with Filler twisted        Cable shielding (coverage)      85 %        Banding      Fiber tape, Fleece        Filler      yes        wire arrangement      black WL3/D/L-, black U/L1/C/L+, black V/L2, green-yellow	
Material housing      PUR        Locking material      Brass        Mechanical data   Mounting data      Inserted, screwed, Shaking protection        Environmental characteristics   Climatic      Correct of the screwed, Shaking protection        Environmental characteristics   Climatic      Correct of the screwed, Shaking protection        Operating temperature min.      -25 °C        Operating temperature max.      85 °C        Additional condition temperature range      depending on cable quality        Important installation notes      Note on strain relief        Note on strain relief      Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.        Note on bending radius      Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endargered by excessive bending forces.        Installation   Cable      wrice arrangement        black W/L3/D/L-, black U/L1/G/L+, black V/L2, green-yellow      Cable identification        afste      CURus        Anount stranding      1        Stranding      4 wires with Filler twisted        Cable shielding (type)      copper braid, timed        Cable shielding (type)      copper braid, timed        Cable shielding (type)      S	Material housing    PUR      Locking material    Brass      Mechanical data   Mounting data      Mounting method    inserted, screwed, Shaking protection      Environmental characteristics   Climatic      Operating temperature min.    -25 °C      Operating temperature max.    85 °C      Additional condition temperature range    depending on cable quality      Important installation notes    Note on strain relief      Note on strain relief    Protect the connectors by suitable measures from mechanical loads, e.g.      Installation   Cable    wire arrangement      black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow    Cable identification      Cable identification    854      Jacket Color    orange      Type of Certificate    cURus      Amount stranding    1      Stranding    Fiber tape, Fleece      Filler    yes      wire arrangement    black WL3/D/L-, black U/L1/C/L+, black V/L2, green-yellow      Cable shielding (tope)    copper braid, tinned      Cable shielding (type)    copper braid, tinned      Cable shielding (toperation)    85 %      Banding    Fiber tape, Fleece      <	
Material housing      PUR        Locking material      Brass        Mechanical data   Mounting data      Inserted, screwed, Shaking protection        Environmental characteristics   Climatic      Coperating temperature min.      -25 °C        Operating temperature max.      85 °C      Additional condition temperature range      depending on cable quality        Important installation notes      Note on strain relief      Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.        Note on bending radius      Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endargered by excessive bending forces.        Installation   Cable      write arrangement      black W/L3/D/L-, black U/L1/G/L+, black V/L2, green-yellow        Gable identification      854      Jacket Color      orange        Type of Certificate      cJRus      Atomication = 400000000000000000000000000000000000	Material housing      PUR        Locking material      Brass        Mechanical data   Mounting data        Mounting method      inserted, screwed, Shaking protection        Environmental characteristics   Climatic        Operating temperature min.      -25 °C        Operating temperature max.      85 °C        Additional condition temperature range      depending on cable quality        Important installation notes      Note on strain relief        Note on strain relief      Protect the connectors by suitable measures from mechanical loads, e.g.        Note on bending radius      Attention: Observe the permissible bending radii when laying cables, as endangered by excessive bending forces.        Installation   Cable      wire arrangement        black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow        Cable identification      854        Jacket Color      orange        Type of Certificate      cURus        Amount stranding      1        Stranding      4 wires with Filler twisted        Cable shielding (type)      copper braid, tinned        Cable shielding (coverage)      85 %        Banding      Fiber tape, Fleece        Filler      yes <t< td=""><td></td></t<>	
Locking material    Brass      Mechanical data   Mounting data      Mounting method    inserted, screwed, Shaking protection      Environmental characteristics   Climatic      Operating temperature min.    -25 °C      Operating temperature max.    85 °C      Additional condition temperature range    depending on cable quality      Important installation notes    Note on strain relief      Note on strain relief    Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.      Note on bending radius    Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.      Installation   Cable    Wire arrangement      black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow    Cable identification      Gable identification    854      Jacket Color    orange      Type of Certificate    cJRus      Amount stranding    1      Stranding    4 wires with Filler twisted      Cable identification (type)    copper braid, timed      Cable shielding (type)    copper braid, timed      Cable shielding (type)    copper braid, timed      Cable shielding (type)    s5 %   <	Locking material    Brass      Mechanical data   Mounting data      Mounting method    inserted, screwed, Shaking protection      Environmental characteristics   Climatic      Operating temperature min.    -25 °C      Operating temperature max.    85 °C      Additional condition temperature range    depending on cable quality      Important installation notes	
Mechanical data   Mounting data        Mounting method      inserted, screwed, Shaking protection        Environmental characteristics   Climatic      Operating temperature min.      -25 °C        Operating temperature max.      85 °C      Additional condition temperature range      depending on cable quality        Important installation notes      Note on strain relief      Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.        Note on strain relief      Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.        Note on bending radius      Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.        Installation   Cable      wire arrangement      black WL3/DL-, black U/L1/C/L+, black V/L2, green-yellow        Cable identification      854      Jacket Color      orange        Type of Certificate      cURus      Amount stranding      I        Stranding      4 wires with Filler twisted      Cable shielding (coverage)      85 %        Banding      Fiber tape, Fleece      Filler      yes        Filler      yes      yes      wire arrangement      black WL3/D/L-, black V/L2, green-yellow        Cable shieldin	Mechanical data   Mounting data      Mounting method    inserted, screwed, Shaking protection      Environmental characteristics   Climatic    Operating temperature min.    -25 °C      Operating temperature max.    85 °C      Additional condition temperature range    depending on cable quality      Important installation notes    Note on strain relief    Protect the connectors by suitable measures from mechanical loads, e.g.      Note on bending radius    Attention: Observe the permissible bending radii when laying cables, as endangered by excessive bending forces.      Installation   Cable    wire arrangement    black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow      Cable identification    854    Jacket Color    orange      Type of Certificate    cURus    Amount stranding    1      Stranding    1    Stranding    1      Cable shielding (type)    copper braid, tinned    Cable shielding (coverage)    85 %      Banding    Fiber tape, Fleece    Filer    yes      Write arrangement    black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow    Cable weigth      Cable weigth    141,9 g/m    Material jacket    TMPU      Freedom from ingredients (jacket)    lead-free, CFC-free, halogen-f	
Mounting method      inserted, screwed, Shaking protection        Environmental characteristics   Climatic        Operating temperature min.      -25 °C        Operating temperature max.      85 °C        Additional condition temperature range      depending on cable quality        Important installation notes         Note on strain relief      Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.        Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.        Installation   Cable        wire arrangement      black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow        Cable identification      854        Jacket Color      orange        Type of Certificate      cURus        Amount stranding      1        Stranding      4 wires with Filler twisted        Cable shielding (type)      copper braid, tinned        Cable shielding (coverage)      85 %        Banding      Fiber tape, Fleece        Filler      yes        wrire arrangement      black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow        Cable weigth      141,9 g/m	Mounting method    inserted, screwed, Shaking protection      Environmental characteristics   Climatic      Operating temperature min.    -25 °C      Operating temperature max.    85 °C      Additional condition temperature range    depending on cable quality      Important installation notes    Important installation notes      Note on strain relief    Protect the connectors by suitable measures from mechanical loads, e.g.      Note on bending radius    Attention: Observe the permissible bending radii when laying cables, as endangered by excessive bending forces.      Installation   Cable    wire arrangement      wire arrangement    black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow      Cable identification    854      Jacket Color    orange      Type of Certificate    cURus      Amount stranding    1      Stranding    4 wires with Filler twisted      Cable shielding (type)    copper braid, tinned      Cable shielding (coverage)    85 %      Banding    Fiber tape, Fleece      Filler    yes      wire arrangement    black W/L3/D/L, black U/L1/C/L+, black V/L2, green-yellow      Cable weigth    141,9 g/m      Material jacket    T	
Environmental characteristics   Climatic      Operating temperature min.    -25 °C      Operating temperature max.    85 °C      Additional condition temperature range    depending on cable quality      Important installation notes    Mote on strain relief    Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.      Note on strain relief    Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.      Note on bending radius    Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.      Installation   Cable    wire arrangement    black W/L3/D/L-, black V/L2, green-yellow      Cable identification    854      Jacket Color    orange      Type of Certificate    cURus      Amount stranding    1      Stranding    4 wires with Filler twisted      Cable shielding (type)    copper braid, tinned      Cable shielding (coverage)    85 %      Banding    Fiber tape, Fleece      Filler    yes      wire arrangement    black WL3/D/L-, black V/L2, green-yellow      Cable shielding (coverage)    85 %      Banding    Fiber tape, Fleece <td>Environmental characteristics   Climatic      Operating temperature min.    -25 °C      Operating temperature max.    85 °C      Additional condition temperature range    depending on cable quality      Important installation notes    Protect the connectors by suitable measures from mechanical loads, e.g.      Note on strain relief    Protect the connectors by suitable measures from mechanical loads, e.g.      Installation   Cable    endangered by excessive bending radii when laying cables, as endangered by excessive bending forces.      Installation   Cable    wire arrangement    black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow      Cable identification    854    Jacket Color    orange      Type of Certificate    cURus    Amount stranding    1      Stranding    4 wires with Filler twisted    Cable shielding (type)    copper braid, tinned      Cable shielding (type)    copper braid, tinned    Cable shielding (type)    copper braid, tinned      Cable shielding (type)    topper trape, Fleece    Filler    yes      Filler    yes    yes    wire arrangement    black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow      Cable weigth    141,9 g/m    Material jacket    TMPU    Freedom from ingredients (jacket)<td></td></td>	Environmental characteristics   Climatic      Operating temperature min.    -25 °C      Operating temperature max.    85 °C      Additional condition temperature range    depending on cable quality      Important installation notes    Protect the connectors by suitable measures from mechanical loads, e.g.      Note on strain relief    Protect the connectors by suitable measures from mechanical loads, e.g.      Installation   Cable    endangered by excessive bending radii when laying cables, as endangered by excessive bending forces.      Installation   Cable    wire arrangement    black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow      Cable identification    854    Jacket Color    orange      Type of Certificate    cURus    Amount stranding    1      Stranding    4 wires with Filler twisted    Cable shielding (type)    copper braid, tinned      Cable shielding (type)    copper braid, tinned    Cable shielding (type)    copper braid, tinned      Cable shielding (type)    topper trape, Fleece    Filler    yes      Filler    yes    yes    wire arrangement    black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow      Cable weigth    141,9 g/m    Material jacket    TMPU    Freedom from ingredients (jacket) <td></td>	
Operating temperature min.    -25 °C      Operating temperature max.    85 °C      Additional condition temperature range    depending on cable quality      Important installation notes    Important installation notes      Note on strain relief    Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.      Note on bending radius    Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.      Installation   Cable    wire arrangement      black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow      Cable identification    854      Jacket Color    orange      Type of Certificate    cURus      Amount stranding    1      Stranding    4 wires with Filler twisted      Cable shielding (type)    copper braid, tinned      Cable shielding (coverage)    85 %      Banding    Fiber tape, Fleece      Filler    yes      wire arrangement    black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow      Cable shielding (type)    copper braid, tinned      Cable shielding (type)    copper braid, tinned      Cable weigth    141,9 g/m	Operating temperature min.    -25 °C      Operating temperature max.    85 °C      Additional condition temperature range    depending on cable quality      Important installation notes    Protect the connectors by suitable measures from mechanical loads, e.g.      Note on strain relief    Protect the connectors by suitable measures from mechanical loads, e.g.      Note on bending radius    Attention: Observe the permissible bending radii when laying cables, as endangered by excessive bending forces.      Installation   Cable    wire arrangement    black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow      Cable identification    854      Jacket Color    orange      Type of Certificate    cURus      Amount stranding    1      Stranding    4 wires with Filler twisted      Cable shielding (type)    copper braid, tinned      Cable shielding (coverage)    85 %      Banding    Fiber tape, Fleece      Filler    yes      wire arrangement    black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow      Cable weigth    141,9 g/m      Material jacket    TMPU      Freedom from ingredients (jacket)    lead-free, CFC-free, halogen-free, silicone-free      Outer-diameter	
Operating temperature max.    85 °C      Additional condition temperature range    depending on cable quality      Important installation notes    Note on strain relief      Note on strain relief    Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.      Note on bending radius    Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.      Installation   Cable    wire arrangement      wire arrangement    black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow      Cable identification    854      Jacket Color    orange      Type of Certificate    cURus      Amount stranding    1      Stranding    4 wires with Filler twisted      Cable shielding (type)    copper braid, tinned      Cable shielding (coverage)    85 %      Banding    Fiber tape, Fleece      Filler    yes      wire arrangement    black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow	Operating temperature max.    85 °C      Additional condition temperature range    depending on cable quality      Important installation notes    Protect the connectors by suitable measures from mechanical loads, e.g.      Note on strain relief    Protect the connectors by suitable measures from mechanical loads, e.g.      Note on bending radius    Attention: Observe the permissible bending radii when laying cables, as endangered by excessive bending forces.      Installation   Cable    wire arrangement      wire arrangement    black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow      Cable identification    854      Jacket Color    orange      Type of Certificate    cURus      Amount stranding    1      Stranding    4 wires with Filler twisted      Cable shielding (type)    copper braid, tinned      Cable shielding (coverage)    85 %      Banding    Fiber tape, Fleece      Filler    yes      wire arrangement    black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow      Cable weigth    141,9 g/m      Material jacket    TMPU      Freedom from ingredients (jacket)    lead-free, CFC-free, halogen-free, silicone-free      Outer-diameter (jacket)    8,6 mm </td <td></td>	
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	Tolerance outer diameter (sheath)  ± 5 %    Material wire insulation (Power)  TPM	
	Material wire insulation (Power) TPM	
Outer diameter wire insulation (Power) 2,4 mm	Outer diameter wire insulation (Power) 2,4 mm	

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-21

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Tolerance outer diameter wire insulation (Power)	±5 %
Ingredient freeness wire insulation (Power)	lead-free, CFC-free, halogen-free, silicone-free
Printing colour wire insulation (Power)	white (isolation black)
Amount wires (Power)	4
Amount strands wire (Power)	84
Diameter of single wires (Power)	0,15 mm
Wire conductor cross section (Power)	1,5 mm <sup>2</sup>
Material conductor wire (Power)	Stranded copper wire, bare
Conductor type wire (Power)	strand class 6
Max. rated voltage (conductor - conductor)	1000 V
Max. rated voltage (conductor - ground)	600 V
Current load capacity (standard)	to DIN VDE 0298-4
Current carrying capacity min. wire (Power)	14,4 A
Electrical resistance coating wire (Power)	13,7 Ω/km @20 °C
AC withstand voltage (wire - wire)	4 kV @ 300 s
Electrical capacity line constant (wire - wire)	90000 pF/km
Electrical capacity line constant (wire - shield)	160000 pF/km
Power frequency withstand voltage (wire - jacket)	4 kV @ 300 s
AC withstand voltage (wire - shield)	4 kV @ 300 s
Isolation resistance	2500 MΩ × km
Electrical capacity line constant (wire - shield) (power)	200000 pF/km
Electrical capacity line constant (wire - wire) (power)	120000 pF/km
AC withstand voltage power (wire - shield)	4 kV @ 300 s
Power frequency withstand voltage power (wire - jacket)	4 kV @ 300 s
AC withstand voltage power (wire - wire)	4 kV @ 300 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	80 °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	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	4 x Outer diameter
Bending radius (dynamic)	7,5 x Outer diameter
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	50 m @ 25 °C   horizontal
Travel speed (C-track)	5 m/s @ 25 °C
Torsion stress	± 30 °/m

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