

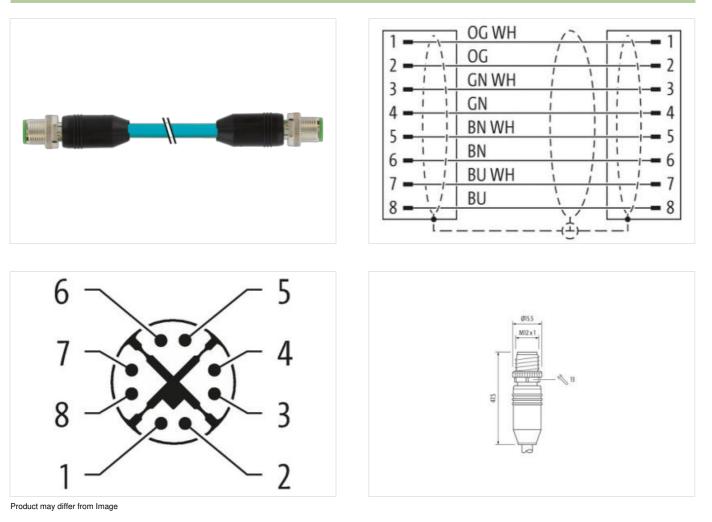
## M12 male 0° / male 0° X-cod. shielded

TPE 4x2x26AWG SF/UTP CAT6a bu UL/CSA. CMR 1.5m

Ethernet CAT6A The resistance to aggressive media should be individually tested for your application. Further details on request. Male straight - male straight M12 - M12, 8-pole X-coded without cable sleeves shielded Transmission properties with channel transmission up to 50 m Further cable lengths on request. Plastic housings with good resistance against chemicals and oils.

## Link to Product

Illustration





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: 2024-05-20

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No. al poles      8        Width across fists      SW13        Side 2	Tylening lorque      0.6 hm        Maunting method      inserted, screwed        Thead      M12 x 1        Calde outlet      strajul        With across finds      Strajul        Calde outlet      inserted, screwed        Family construction form      M12        Thread      M12 x 1        Calde outlet      strajul	Cable length	1,5 m
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Thesd  M12 x 1    Cable outlet  straight    Cable outlet  straight    Cable outlet  straight    Stode 2  Stode 2    Stode 3  8    With aroos fats  SW13    Stode 4  Stode 2    Typhsening torque  0.6 Nm.    Mounting method  Inserted, sorewed    Family construction form  M12    Thread  M12 x 1    Cable outlet  straight    Cooling  X    No. of polos  8    With across flats  SW13    Conserved atta	Thread  M12 x 1    Cable outlet  straight    Cable outlet  straight    No. of poles  9    With across flats  SW13    Side 2	Mounting method	inserted, screwed
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Commercial data        ECLASS-6.0      27061801        ECLASS-7.0      27061801        ECLASS-7.0      27061801        ECLASS-8.0      27061801        ECLASS-9.0      27061801        ECLASS-1.1      27060307        ECLASS-1.2.0      27060307        ECLASS ED (CLASS E	Commercial data        ECLASS-6.0      27061801        ECLASS-7.0      27061801        ECLASS-8.0      27061801        ECLASS-8.0      27061801        ECLASS-8.0      27061801        ECLASS-10.1      27060307        ECLASS-11.1      27060307        ECLASS-12.0      27060307        Electrical data / Supply      404887968747        Packaging unit      1 </td <td>No. of poles</td> <td>8</td>	No. of poles	8
CLASS-6.0      27061801        ECLASS-7.0      27061801        ECLASS-8.0      27061801        ECLASS-8.0      27061801        ECLASS-9.0      27060307        ECLASS-10.1      27060307        ECLASS-12.0      27060307        Ectrical Suppinguitt      1        Electrical Atta [Suppinguitter Attack      1.5 A        Degree of protection (EN IEC 60529)      IP67 <tr< td=""><td>CALASS-7.0      27061801        ECLASS-7.0      27061801        ECLASS-7.0      27061801        ECLASS-8.0      27061801        ECLASS-9.0      27060307        ECLASS-10.1      27060307        ECLASS-12.0      27060307        ECLASS-12.0      27060307        ECLASS-12.0      ECO2599        caustoms tarif number      8544290        GTIN      4048879687447        Packaging unit      1        Electrical data   Supply      Urrent operating per contact max.        0.5 A      60 V        Current operating per contact max.      1,5 A        Industrial communication      Urrent operating per contact max.        Traisfer parameters      CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)        Data transmission rate max.      10000 MBit/s        Degree of protection [Electrical      Urrent operating per contact max.        Degree of protection (EN IEC 60529)      IP67        Pollution Degree      3        Rated surge voltage      1,5 kV        Material group (ICE 60664-1)      1        Environmental characteristics   Climatic      Ex °C</td><td>Width across flats</td><td>SW13</td></tr<>	CALASS-7.0      27061801        ECLASS-7.0      27061801        ECLASS-7.0      27061801        ECLASS-8.0      27061801        ECLASS-9.0      27060307        ECLASS-10.1      27060307        ECLASS-12.0      27060307        ECLASS-12.0      27060307        ECLASS-12.0      ECO2599        caustoms tarif number      8544290        GTIN      4048879687447        Packaging unit      1        Electrical data   Supply      Urrent operating per contact max.        0.5 A      60 V        Current operating per contact max.      1,5 A        Industrial communication      Urrent operating per contact max.        Traisfer parameters      CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)        Data transmission rate max.      10000 MBit/s        Degree of protection [Electrical      Urrent operating per contact max.        Degree of protection (EN IEC 60529)      IP67        Pollution Degree      3        Rated surge voltage      1,5 kV        Material group (ICE 60664-1)      1        Environmental characteristics   Climatic      Ex °C	Width across flats	SW13
ECLASS-7.0      27061801        ECLASS-8.0      27061801        ECLASS-9.0      27061801        ECLASS-9.0.1      27060307        ECLASS-10.1      27060307        ECLASS-12.0      27060307        Electrical data  Supply      0        Data transmission rate max.      10000 MBil/s        Delat transmission rate max.      10000 MBil/s	ECLASS-7.0      27061801        ECLASS-8.0      27061801        ECLASS-9.0      27061801        ECLASS-9.0      27060307        ECLASS-10.1      27060307        ECLASS-12.0      27060307        ECLASS-12.0      27060307        ETM-5.0      EC002599        customs taff number      8544290        GTIN      4048879687447        Packaging unit      1        Electrical data   Supply      U        Operating voltage DC max.      60 V        Current operating per contact max.      1,5 A        Industrial communication      U        Transfer parameters      CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)        Data transmission rate max.      10000 MBit/s        Device protection [Electrical      U        Device protection [Electrical      U        Device protection [Electrical      1,5 kV        Material group (IEC 60664-1)      1        Environmental characteristics   Climatic      C        Operating temperature min.      -25 °C        Operating temperature max.      85 °C        Additional conditio temperature range	Commercial data	
ECLASS-8.0      27061801        ECLASS-9.0      27061801        ECLASS-10.1      27060307        ECLASS-11.1      27060307        ECLASS-12.0      27060307        ECLASS-12.0      27060307        ECLASS-12.0      27060307        ETM-5.0      EC002599        customs tariff number      8544290        GTIN      404897687447        Packaging unit      1        Electrical data   Supply      0        Operating voltage DC max.      60 V        Current operating per contact max.      1,5 A        Industrial communication      1        Transfer parameters      CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)        Data transmission rate max.      10000 MBit/s        Device protection   Electrical      1        Degree of protection (EN IEC 60529)      IP67        Poliution Degree      3        Rated surge voltage      1,5 KV        Material group (IEC 60664-1)      I        Environmental characteristics   Climatic      1        Operating temperature min.      -25 °C        Operating temperature max.      85 *°C	ECLASS-8.0      27061801        ECLASS-9.0      27061801        ECLASS-10.1      27060307        ECLASS-11.1      27060307        ECLASS-12.0      27060307        ECLASS-12.0      27060307        ECLASS-12.0      27060307        ECLASS-12.0      27060307        ECLASS-12.0      27060307        ECLASS-11      27060307        ECLASS-12.0      27060307        ECLASS-11.1      27060307        ECLASS-12.0      27060307        ECLASS-11.1      1        Ectrical data   Supply      1        Operating per contact max.      10000 MBit/s        Degree of protection   Electrical      100000 MBit/s <tr< td=""><td>ECLASS-6.0</td><td>27061801</td></tr<>	ECLASS-6.0	27061801
ECLASS-9.0      27061801        ECLASS-10.1      27060307        ECLASS-11.1      27060307        ECLASS-12.0      27060307        Ectrical Call      5444290        GTIN      404887687447        Packaging unit      1        Electrical dat   Supply      Current operating per Contact max.        Operating per Contact max.      1.5 A        Industrial communication      Transfer parameters        CATE, Class EA (ISO/IEC 11801:2002), (EN 50173-1)      Data transmission rate max.        Degree of protection (EN IEC 60529)      IP67        Polution Degree	ECLASS-9.0      27061801        ECLASS-10.1      27060307        ECLASS-10.1      27060307        ECLASS-12.0      27060307        ETIM-5.0      EC002599        customs tariff number      85444290        GTIN      4048379687447        Packaging unit      1        Electrical data   Supply      Electrical data   Supply        Operating voltage DC max.      60 V        Current operating per contact max.      1,5 A        Industrial communication      Transfer parameters        CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)      Data transmission rate max.        Data transmission rate max.      10000 MBit/s        Degree of protection   Electrical      Electrical suge voltage        Degree of protection (EN IEC 60529)      IP67        Pollution Degree      3        Rated surge voltage      1,5 KV        Material group (IEC 60664-1)      1        Environmental characteristics   Climatic      Operating temperature min.        -25 °C      Operating temperature max.      85 °C        Additional condition temperature range      depending on cable quality        Important instellation notes	ECLASS-7.0	27061801
ECLASS-10.1    27060307      ECLASS-11.1    27060307      ECLASS-12.0    27060307      ETIM-5.0    EC002599      customs tariff number    85444290      GTIN    404837687447      Packaging unit    1      Electrical data   Supply       Operating voltage DC max.    60 V      Current operating por contact max.    1,5 A      Industrial communication       Transfer parameters    CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)      Data transmission rate max.    10000 MBit/s      Degree of protection (Electrical       Degree of protection (EN IEC 60529)    IP67      Pollution Degree    3      Rated surge voltage    1,5 kV      Material group (IEC 60664-1)    I      Environmental characteristics   Climatic       Operating temperature min.    -25 °C      Operating temperature max.    85 °C      Additional condition temperature may.    85 °C      Operating temperature max.    85 °C      Additional condition temperature may.    85 °C      Note on strain relief    Protect the connectors by suitable mea	ECLASS-10.1      27060307        ECLASS-11.1      27060307        ECLASS-12.0      27060307        ETM-5.0      EC002599        outsoms taff number      85444290        GTIN      4048879687447        Packaging unit      1        Electrical data   Supply         Operating voltage DC max.      60 V        Current operating per contact max.      1,5 A        Industrial communication         Transfer parameters      CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)        Data transmission rate max.      10000 MBit/s        Degree of protection [Electrical         Polition Degree      3        Rated surge voltage      1,5 kV        Material group (IEC 60654-1)      1        Environmental characteristics [Climatic         Operating temperature min.      -25 °C        Operating temperature max.      85 °C        Additional condition temperature max.      85 °C        Additional condition temperature max.      85 °C        Addition notes      Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.        Not	ECLASS-8.0	27061801
ECLASS-11.1    27060307      ECLASS-12.0    27060307      ETIM-5.0    EC002599      customs tariff number    85444290      GTIN    4048879687447      Packaging unit    1      Electrical data   Supply    0      Operating voltage DC max.    60 V      Current operating per contact max.    1,5 A      Industrial communication    1      Transfer parameters    CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)      Data transmission rate max.    10000 MBit/s      Degree of protection (EN IEC 60529)    IP67      Pollution Degree    3      Rated surge voltage    1,5 kV      Material group (IEC 60664-1)    I      Environmental characteristics   Climatic    Operating temperature min.      Operating temperature max.    85 °C      Additional condition temperature max.    85 °C      Additional condition temperature max.    85 °C      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.	ECLASS-11.1    27060307      ECLASS-12.0    27060307      ETIM-5.0    EC002599      customs tariff number    85444290      GTIN    4048879687447      Packaging unit    1      Electrical data   Supply       Operating voltage DC max.    60 V      Current operating por contact max.    1,5 A      Industrial communication       Transfer parameters    CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)      Data transmission rate max.    1000 MBit/s      Degree of protection (EN IEC 60529)    IP67      Pollution Degree    3      Rated surge voltage    1,5 kV      Material group (IEC 60664-1)    I      Environmental characteristics   Climatic       Operating temperature min.    -25 °C      Operating temperature max.    85 °C      Additional condition netwer ange    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 ca	ECLASS-9.0	27061801
ECLASS-12.0    27060307      ETIM-5.0    EC002599      customs tariff number    85444290      GTIN    4048879687447      Packaging unit    1      Electrical data   Supply    0      Operating voltage DC max.    60 V      Current operating per contact max.    1,5 A      Industrial communication    -      Transfer parameters    CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)      Data transmission rate max.    10000 MBit/s      Degree of protection   Electrical    -      Degree of protection (EN IEC 60529)    IP67      Pollution Degree    3      Rated surge voltage    1,5 kV      Material group (IEC 60684-1)    I      Environmental characteristics   Climatic    -25 °C      Operating temperature min.    -25 °C      Operating temperature max.    85 °C      Additional condition temperature range    depending on cable quality      Important installation notes    -25 °C      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 load	ECLASS-12.0    27060307      ETIM-5.0    EC002599      customs tariff number    85444290      GTIN    4048879687447      Packaging unit    1      Electrical data   Supply       Operating voltage DC max.    60 V      Current operating per contact max.    1,5 A      Industrial communication       Transfer parameters    CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)      Data transmission rate max.    10000 MBit/s      Degree of protection   Electrical       Degree of protection (EN IEC 60529)    IP67      Pollution Degree    3      Rated surge voltage    1,5 kV      Material group (IEC 60664-1)    I      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 radiu    Attention:: Observe the permissible bending radii when laying cables, as the IP	ECLASS-10.1	27060307
ETIM-5.0    EC002599      customs tariff number    85444290      GTIN    4048879687447      Packaging unit    1      Electrical data   Supply       Operating voltage DC max.    60 V      Current operating per contact max.    1,5 A      Industrial communication       Transfer parameters    CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)      Data transmission rate max.    10000 MBit/s      Degree of protection   Electrical       Pollution Degree    3      Rated surge voltage    1,5 kV      Material group (IEC 60529)    IP67      Pollution Degree    3      Rated surge voltage    1,5 kV      Material group (IEC 60664-1)    I      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    Potect the con	ETIM-5.0    EC002599      customs tariff number    85444290      GTIN    4048879687447      Packaging unit    1      Electrical data   Supply       Operating voltage DC max.    60 V      Current operating per contact max.    1,5 A      Industrial communication       Transfer parameters    CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)      Data transmission rate max.    10000 MBit/s      Degree of protection   Electrical       Pollution Degree    3      Rated surge voltage    1,5 kV      Material group (IEC 60664-1)    I      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.	ECLASS-11.1	27060307
customs tariff number    85444290      GTIN    4048879687447      Packaging unit    1      Electrical data   Supply       Operating voltage DC max.    60 V      Current operating per contact max.    1,5 A      Industrial communication       Transfer parameters    CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)      Data transmission rate max.    10000 MBit/s      Degree of protection   Electrical       Degree of protection (EN IEC 60529)    IP67      Pollution Degree    3      Rated surge voltage    1,5 kV      Material group (IEC 60664-1)    I      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.	customs tariff number      85444290        GTIN      4048879687447        Packaging unit      1        Electrical data   Supply      50 V        Operating voltage DC max.      60 V        Current operating per contact max.      1,5 A        Industrial communication      1        Transfer parameters      CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)        Data transmission rate max.      10000 MBit/s        Degree of protection   Electrical      1        Degree of protection (EN IEC 60529)      IP67        Pollutin Degree      3        Rated surge voltage      1,5 kV        Material group (IEC 60664-1)      1        Environmental characteristics   Climatic      2        Operating temperature min.      -25 °C        Operating temperature max.      85 °C        Additional condition temperature range      depending on cable quality        Important installation notes      5        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	ECLASS-12.0	27060307
GTIN  4048879687447    Packaging unit  1    Electrical data   Supply  00    Operating voltage DC max.  60 V    Current operating per contact max.  1,5 A    Industrial communication  1    Transfer parameters  CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)    Data transmission rate max.  10000 MBit/s    Device protection   Electrical  1    Degree of protection (EN IEC 60529)  IP67    Pollution Degree  3    Rated surge voltage  1,5 kV    Material group (IEC 60664-1)  I    Environmental characteristics   Climatic  25 °C    Operating temperature min.  -25 °C    Operating temperature max.  85 °C    Additional condition temperature range  depending on cable quality    Important installation notes  Volte on strain relief    Note on strain relief  Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	GTIN  4048879687447    Packaging unit  1    Electrical data   Supply  60 V    Operating voltage DC max.  60 V    Current operating per contact max.  1,5 A    Industrial communication  7    Transfer parameters  CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)    Data transmission rate max.  10000 MBit/s    Degree of protection   Electrical  1    Degree of protection (EN IEC 60529)  IP67    Pollution Degree  3    Rated surge voltage  1,5 KV    Material group (IEC 60664-1)  1    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.	ETIM-5.0	EC002599
Packaging unit    1      Electrical data   Supply    60 V      Operating voltage DC max.    60 V      Current operating per contact max.    1,5 A      Industrial communication    Transfer parameters      CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)    Data transmission rate max.      Data transmission rate max.    10000 MBit/s      Device protection   Electrical    Degree of protection (EN IEC 60529)      Defore protection Qeree    3      Rated surge voltage    1,5 kV      Material group (IEC 60664-1)    I      Environmental characteristics   Climatic    -25 °C      Operating temperature min.    -25 °C      Operating temperature max.    85 °C      Additional condition temperature max.    85 °C      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.	Packaging unit    1      Electrical data   Supply    60 V      Operating voltage DC max.    60 V      Current operating per contact max.    1,5 A      Industrial communication    Transfer parameters      Transfer parameters    CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)      Data transmission rate max.    10000 MBit/s      Device protection   Electrical    10000 MBit/s      Degree of protection (EN IEC 60529)    IP67      Pollution Degree    3      Rated surge voltage    1,5 kV      Material group (IEC 60664-1)    I      Environmental characteristics   Climatic    25 °C      Operating temperature min.    -25 °C      Operating temperature max.    85 °C      Additional condition temperature range    depending on cable quality      Important installation notes    Volte 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.	customs tariff number	85444290
Electrical data   Supply      Operating voltage DC max.    60 V      Current operating per contact max.    1,5 A      Industrial communication    Industrial communication      Transfer parameters    CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)      Data transmission rate max.    10000 MBit/s      Device protection   Electrical    Industrial Communication      Degree of protection (EN IEC 60529)    IP67      Pollution Degree    3      Rated surge voltage    1,5 kV      Material group (IEC 60664-1)    I      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. by the usage of cable ties.      Nota en begring radius    Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be	Electrical data   Supply      Operating voltage DC max.    60 V      Current operating per contact max.    1,5 A      Industrial communication    Industrial communication      Transfer parameters    CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)      Data transmission rate max.    10000 MBit/s      Device protection   Electrical    Important installation      Degree of protection (EN IEC 60529)    IP67      Pollution Degree    3      Rated surge voltage    1,5 kV      Material group (IEC 60664-1)    I      Environmental characteristics   Climatic    25 °C      Operating temperature min.    -25 °C      Operating temperature max.    85 °C      Additional condition temperature max.    85 °C      Additional condition temperature max.    85 °C      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.	GTIN	4048879687447
Operating voltage DC max.      60 V        Current operating per contact max.      1,5 A        Industrial communication         Transfer parameters      CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)        Data transmission rate max.      10000 MBit/s        Degree of protection   Electrical         Degree of protection (EN IEC 60529)      IP67        Pollution Degree      3        Rated surge voltage      1,5 kV        Material group (IEC 60664-1)      I        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      Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be	Operating voltage DC max.      60 V        Current operating per contact max.      1,5 A        Industrial communication         Transfer parameters      CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)        Data transmission rate max.      10000 MBit/s        Device protection   Electrical         Degree of protection (EN IEC 60529)      IP67        Pollution Degree      3        Rated surge voltage      1,5 kV        Material group (IEC 60664-1)      I        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.	Packaging unit	1
Current operating per contact max.    1,5 A      Industrial communication    Industrial communication      Transfer parameters    CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)      Data transmission rate max.    10000 MBit/s      Device protection   Electrical    Important installation (EN IEC 60529)      Pollution Degree    3      Rated surge voltage    1,5 kV      Material group (IEC 60664-1)    I      Environmental characteristics   Climatic    -25 °C      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. by the usage of cable ties.      Note on strain relief    Protect the permissible bending radii when laying cables, as the IP protection class can be	Current operating per contact max.    1,5 A      Industrial communication    Industrial communication      Transfer parameters    CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)      Data transmission rate max.    10000 MBit/s      Device protection   Electrical    Important installation Degree      Degree of protection (EN IEC 60529)    IP67      Pollution Degree    3      Rated surge voltage    1,5 kV      Material group (IEC 60664-1)    I      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. 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.	Electrical data   Supply	
Industrial communication      Transfer parameters    CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)      Data transmission rate max.    10000 MBit/s      Device protection   Electrical    10000 MBit/s      Degree of protection (EN IEC 60529)    IP67      Pollution Degree    3      Rated surge voltage    1,5 kV      Material group (IEC 60664-1)    I      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. by the usage of cable ties.      Note on strain relief    Protect the permissible bending radii when laying cables, as the IP protection class can be	Industrial communication      Transfer parameters    CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)      Data transmission rate max.    10000 MBit/s      Device protection   Electrical    10000 MBit/s      Degree of protection (EN IEC 60529)    IP67      Pollution Degree    3      Rated surge voltage    1,5 kV      Material group (IEC 60664-1)    I      Environmental characteristics   Climatic    0      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. 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.	Operating voltage DC max.	60 V
Transfer parameters    CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)      Data transmission rate max.    10000 MBit/s      Device protection   Electrical    10000 MBit/s      Degree of protection (EN IEC 60529)    IP67      Pollution Degree    3      Rated surge voltage    1,5 kV      Material group (IEC 60664-1)    I      Environmental characteristics   Climatic    -25 °C      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. 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.	Transfer parameters    CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)      Data transmission rate max.    10000 MBit/s      Device protection   Electrical    10000 MBit/s      Degree of protection (EN IEC 60529)    IP67      Pollution Degree    3      Rated surge voltage    1,5 kV      Material group (IEC 60664-1)    1      Environmental characteristics   Climatic    1      Operating temperature min.    -25 °C      Operating temperature max.    85 °C      Additional condition temperature range    depending on cable quality      Important installation notes    Vote 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.	Current operating per contact max.	1,5 A
Data transmission rate max.    10000 MBit/s      Device protection   Electrical      Degree of protection (EN IEC 60529)    IP67      Pollution Degree    3      Rated surge voltage    1,5 kV      Material group (IEC 60664-1)    I      Environmental characteristics   Climatic    Operating temperature min.      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. 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.	Data transmission rate max.    10000 MBit/s      Device protection   Electrical      Degree of protection (EN IEC 60529)    IP67      Pollution Degree    3      Rated surge voltage    1,5 kV      Material group (IEC 60664-1)    I      Environmental characteristics   Climatic    I      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. 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.	Industrial communication	
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wire arrangement	(orange-white, orange), (blue-white, blue), (brown-white, brown), (green-white, green)
Cable identification	S4X
Jacket Color	blue
Type of Certificate	cURus
Amount stranding	4
Stranding	2 wires twisted
Stranding (type 2)	4 Stranded joints around Insulation element twisted
Banding	Foil
Filler	Insulation element
wire arrangement	(orange-white, orange), (blue-white, blue), (brown-white, brown), (green-white, green)
Cable weigth	65,48 g/m
Material jacket	TPE
Freedom from ingredients (jacket)	lead-free, CFC-free
Outer-diameter (jacket)	7,4 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	HDPE
Amount wires	8
Outer diameter insulation	0,9 mm
Outer diameter tolerance core insulation	±5%
Ingredient freeness wire insulation	lead-free, CFC-free
Amount strands (wire)	7
Diameter of single wires	26 AWG
Conductor crosssection (wire)	26 AWG
Material conductor wire	copper stranded wire, tinned
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4 A
Characteristic impedance	100 Ω @ 100 MHz
Electrical resistance line constant wire	212 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	3 kV @ 60 s
Electrical capacity line constant (wire - wire)	49000 pF/km
Power frequency withstand voltage (wire - jacket)	3 kV @ 60 s
Loop resistance	424 Ω/km
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	℃ 30°C
Storage temperature min.	-40 °C
Storage temperature max.	℃ 08
Flame resistance	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090
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)	7 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter
No. of bending cycles (C-track)	35 Mio. @ 25 °C
Traversing distance (C-track)	0,6 m @ 25 °C
Travel speed (C-track)	1,2 m/s @ 25 °C
No. of torsion cycles	3 Mio. 25 °C
Torsion stress	± 270 °/m @ 25 °C
Torsion speed	60 cycles/min 25 °C

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