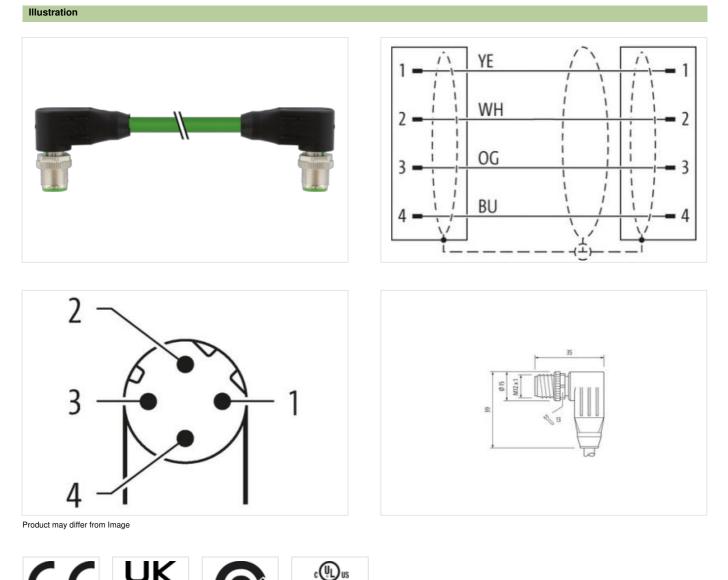


## M12 male 90° / M12 male 90° D-cod. shielded

TPE 22AWG SF/UTP CAT5e gn UL/CSA, ITC/PLTC 1.1m

Ethernet CAT5 Male 90° - male 90° M12 - M12, 4-pole D-coded shielded USA Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

## Link to Product



C E LISTED COMM CKT ACC

Cable length

1,1 m

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: 2024-05-18

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## Side 1

Typhony0.8 MmTyphonyinserted, ioneweiaFamic construction formM12TreadM12 x1Cadie cullelangledCadie cullelangledTyphony to marketNtrastructionMauriting mithedrearted, screedFamily construction formM12ThreadM2 x1Cadie cullelangledCadie cullelangledCadie cullelangledCadie cullelangledConstruction formM12Typedia27001001Construction form27001001Collads cullel27001001Collads scilel27001001Collads scilel27001001 <th>Side 1</th> <th></th>	Side 1	
Famby construction form     M12       Thread     M12 × 1       Cache cullet     angled       Striez     D       Striez     Cache cullet       Thread     M12 × 1       Mauning method     inserted, screwed       Famaly construction from     M12       Thread     M12 × 1       Cable cullet     angled       Cache cullet     angled       Cable cullet     scredesor	Tightening torque	0,6 Nm
Thread     M12 x 1       Cable outlet     angled       Cable outlet     angled       Cading     D       No. of poles     4       With Across Bats     SWI 3       Side 2     Tiphening brouge     0.6 Nm       Munning method     inserted, soeweed     Family construction form     M12       Thread     M12 x 1     Cable outlet     angled       Cading     D     No. of pole     4       With across Bats     SWI 3     Cable outlet     angled       Cading     D     No. of pole     4       With across Bats     SWI 3     Cable outlet     Cable outlet       Cading     D     No. of pole     4       With across Bats     SWI 3     Cable outlet     Cable outlet       CalASS-0.1     27060307     CELASS-0     27060307       CELASS-10     27060307     CELASS-10     27060307       CELASS-11     27060307     CELASS-10     27060307       CELASS-10     27060307     CELASS-10     CELASS-10 <t< td=""><td>Mounting method</td><td>inserted, screwed</td></t<>	Mounting method	inserted, screwed
Cable outlet     angled       Coding     D       No. of poles     4       Width access flas     SW13       Side 2     Internity forgue       Tightning forgue     0.6 Nm       Mounting method     Insertor, screwed       Family construction form     M12       Tanado     M12 × 1       Cable outlet     angled       Cading     D       No. of poles     4       Width access flas     SW13       Commercial data     SW13       ECLASS 6.0     27061801       ECLASS 6.0     27061801       ECLASS 7.0     27060307	Family construction form	M12
Oxfing     0       No. of poles     4       Work arcrose flats     SW13       Side 2	Thread	M12 x 1
No. of poles     4       Windh accoss flats     SW13       Side 2     Tghening torque     0.6 Nm       Mounting method     inserted, sorewed       Family construction form     M12       Tintrad     M12.x 11       Cable outlet     angled       Coding     D       No. of poles     4       With across flats     SW13       Commercial data     Z7061801       ECLASS 6.0     Z7060307       ECLASS 7.0     Z7060307       ECLASS 6.0     Z7060307       ECLASS 6.0     Z7060307       ECLASS 6.0     Z7060307       ECLASS 7.0     Z7060307       ECLASS 7.0 <th>Cable outlet</th> <th>angled</th>	Cable outlet	angled
With across flats     SW13       Side 2     Tythaning trouve     0.6 Nm       Mounting method     inserted, screwed     Eamly construction form     M12       Trinsed     M12 x 1     Construction form     M12       Cable outlit     angled     Construction form     M12       Charle outlit     angled     Construction form     M12       Construction form     M12     M1     M2	-	D
Side 2       Tightening torque     0.6 Nm       Munuting method     inserdud, serward       Family construction form     M12       Tinead     M12 x 1       Cable outlet     angled       Coding     D       No. of poles     4       Witch across flats     SW13       Commercial dats     E       ECLASS-6.0     27060307       ECLASS-7.0     27060307       ECLASS-7.0     27060307       ECLASS-8.0     27060307       ECLASS-8.0     27060307       ECLASS-8.0     27060307       ECLASS-8.0     27060307       ECLASS-8.1.1     27060307       ECLASS-8.1.2     27060307       ECLASS-8.1.1     27060307       ECLASS-1.1.1     27060307		
Tiptaning tarque     0.6 Nm       Mounting method     inserted, screwed       Family construction form     M12       Thread     M12 x 1       Canke outlet     angled       Coding     D       No. of poles     4       Witch across flats     SW13       Commercial data     ECLASS-6.0       ECLASS-7.0     27060307       ECLASS-7.0     27060307       ECLASS-8.0     27060307       ECLASS-7.0     27060307       ECLASS-8.0     27060307       ECLASS-8.0     27060307       ECLASS-8.0     27060307       ECLASS-8.1.1     27060307       ECLASS-8.2.0     27060307       ECLASS-8.1.1     27060307       ECLASS-8.2.0     27060307       ECLASS-8.1.1     27060307       ECLASS-8.2.0     27060307       ECLASS-8.1.1     27060307       ECLASS-8.1.2     27060307       ECLASS-8.1.2.0     27060307       ECLASS-8.1.2.0     27060307       ECLASS-8.1.2.0     27060307       ECLASS-	Width across flats	SW13
Mounting method     inserted, screwed       Family construction form     M12       Thread     M12 1       Cable construction form     D       No. of poles     4       With across flas     SW13       Commercial data     ECLASS-6.0       ECLASS-6.0     27061601       ECLASS-6.0     27060307       ECLASS-6.0     27060307       ECLASS-6.0     27060307       ECLASS-6.0     27060307       ECLASS-6.0     27060307       ECLASS-7.0     27060307       ECLASS-1.1     27060307       ECLASS-1.1 <t< td=""><td>Side 2</td><td></td></t<>	Side 2	
Family construction form     M12       Trivead     M12 x1       Cable outlet     angled       Coding     D       No. of poles     4       Witch across flats     SW13       Commercial data     E       ECLASS-6.0     27061801       ECLASS-7.0     27060307       ECLASS-7.0     27060307       ECLASS-8.0     27060307       ECLASS-8.0     27060307       ECLASS-8.1     27060307       ECLASS-8.0     27060307       ECLASS-8.1.1     27060307       ECLASS-8.1.1     27060307       ECLASS-1.1     27060307       ECLASS.1.1     27060307 <t< td=""><td>Tightening torque</td><td>0,6 Nm</td></t<>	Tightening torque	0,6 Nm
Thread     M12 x 1       Cable outlet     angled       Coding     D       No. of poles     4       With across flats     SW13       Commercial data	Mounting method	inserted, screwed
Cable outlet     angled       Coding     D       No. of poles     4       Width across flats     SW13       Commercial data     E       ECLASS.6.0     27061801       ECLASS.7.0     27069307       ECLASS.7.0     27069307       ECLASS.8.0     27069307       ECLASS.8.0     27069307       ECLASS.8.0     27069307       ECLASS.8.0     27069307       ECLASS.10.1     27069307       ECLASS.10.2     27069307       ECLASS.10.3     27069307       ECLASS.10.4     27069307       ECLASS.10.2     27069307       ECLASS.10.3     27069307       ECLASS.10.4     27069307       ECLASS.10.5     EC002599       customs tariff number     85444290       GTIN     406599002940       Packaging unit     1       Etercterid dta I Supply     Corrent operating vortage montal max.       Uperating voltage DC max.     60 V       Current operating per contact max.     10 MBt/s       Industrial communication     Eterco	Family construction form	M12
Coding     D       No. of poles     4       With across latas     SW13       Commercial data     ECLASS 4.0       ECLASS 4.0     27061801       ECLASS 7.0     27060307       ECLASS 1.1     27060307       ECLASS 1.2.0     27060307       ECLASS 1.2.0     27060307       ECLASS 1.2.0     27060307       ECLASS 1.2.0     27060307       ECLASS 1.0     27060307 <td>Thread</td> <td>M12 x 1</td>	Thread	M12 x 1
No. of poles     4       With across flats     SW13       Commercial data     ECLASS-6.0     27061801       ECLASS-6.0     27060307     ECLASS-0.0     ECLASS-0.0       ECLASS-0.0     27060307     ECLASS-0.0     ECLASS-0.0       ECLASS-0.0     27060307     ECLASS-0.0     ECLASS-0.0       ECLASS-0.0     27060307     ECLASS-1.1     27060307       ECLASS-11.1     27060307     ECLASS-1.1     27060307       ECLASS-12.0     27060307     ECLASS-1.1     27060307       ECLASS-12.0     27060307     ECLASS-1.1     27060307       ECLASS-11.1     27060307     ECLASS-1.1     ECMOSOP9       oustoms taff number     65444230     ECMIN     ECMINT       Operating voltage DC max.     60 V     ECURENT     ECURENT       Current operating per contact max.     1.5 A     Industrial communication     ECMINT       Transfer parameters     CAT5. Class D (ISO/IEC 11801-2002), (EN 50173-1)     ECMINT transfer parameters     ECMIS.1       Data transmission rate max.     100 MBUS     ECMINT transfer parameters     ECMIS.1 <	Cable outlet	angled
Width across flats     SW13       Commercial data     ECLASS 6.0     27061801       ECLASS 6.1     27060307     ECLASS 7.0     27060307       ECLASS 6.0     27060307     ECLASS 6.0     27060307       ECLASS 6.0     27060307     ECLASS 6.0     27060307       ECLASS 9.0     27060307     ECLASS 9.0     27060307       ECLASS 9.0     27060307     ECLASS 9.0     27060307       ECLASS 9.0     27060307     ECLASS 9.0     27060307       ECLASS 9.1.1     27060307     ECLASS 9.0     27060307       ECLASS 9.0     EC002599     0     0ustoms tariff number     65444290       GTIN     406509002940     Packaging unit     1     1       Electrical data   Supply     Corrent operating per contact max.     1,5 A     Industrial communication       Transfer parameters     CATS, Class D (ISO/IEC 11801:2002), (EN 50173-1)     Data transmission rate max.     100 MBit/s       Industrial communication     Elever Eleve		D
Commercial data       ECCLASS 6.0     27061801       ECLASS 6.1     27060307       ECLASS 7.0     27060307       ECLASS 7.0.1     27060307       ECLASS 7.0.2     27060307       ECLASS 7.0.0     27060307       ECLASS 7.0.0     E7060307       ECLASS 7.0.0     E706		4
ECLASS-6.0     27061801       ECLASS-6.1     27060307       ECLASS-7.0     27060307       ECLASS-8.0     27060307       ECLASS-9.0     27060307       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-13.0     EC002599       customs tariff number     85444290       GTIN     40659309.00240       Packaging unit     1       Etectical data   Supply     Coverspond       Operating voltage DC max.     60 V       Current operating per contact max.     1.5 A       Industrial communication     Etertical data   Supply       Operating voltage DC max.     100 MBit/s       Industrial communication   Ethernet functure     Ethernet functure       Upres     Full duplex       Device protection   Electrical     Ethernet functure       Device protection (EN IEC 60529)     IP65, IP67, IP66K       Additional condition protection degree     insere	Width across flats	SW13
ECLASS-6.1     27060307       ECLASS-7.0     27060307       ECLASS-8.0     27060307       ECLASS-9.0     27060307       ECLASS-9.0     27060307       ECLASS-10.1     27060307       ECLASS-11.1     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       CLASS-12.0     27060307       Class Class D.60002     2706130       Current operating per contact max.	Commercial data	
ECLASS-7.0     27060307       ECLASS-8.0     27060307       ECLASS-9.0     27060307       ECLASS-10.1     27060307       ECLASS-11.1     27060307       ECLASS-12.0     27060307       Electrical Ata     Supplicit Ata Ata Ata Ata Ata Ata Ata Ata Ata At	ECLASS-6.0	27061801
ECLASS-8.0     27060307       ECLASS-9.0     27060307       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-12.0     27060307       ECLASS-11     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ECLASS-11     27060307       ECLASS-11     27060307       ECLASS-12.0     27060307       ECLASS-11     27060307       ECLASS-11     27060307       ECLASS-11     27060307       ECLASS-11     27060307       ECLASS-11     27060307       ECLASS-11     27060307       Elextrical data (Supply     00602940       Operating voltage DC max.     60 V       Current operating per contact max.     1,5 A       Industrial communication   Elemet functionality     100 MBit/s       Industrial communication   Elemet funct	ECLASS-6.1	27060307
ECLASS-9.0     27060307       ECLASS-10.1     27060307       ECLASS-11.1     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ECLASS-11.1     27060307       ECLASS-12.0     27060307       ECLASS-11.1     27060307       ECLASS-12.0     27060307       ECLASS-11.1     27060307       Ectarical-Case D-100000     27060307       Oberating values     000       Packaging unit     1       Electrical data   Supply     00002940       Operating values DC max.     60 V       Current operating per contact max.     1.5 A       Industrial communication     Electrical       Industrial communication   Electrical     Industrial communication   Electrical       Degree of protection   Electrical     Ele	ECLASS-7.0	27060307
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     EC002599       customs tariff number     85444290       GTIN     4065999002940       Packaging unit     1       Electrical data   Supply     Component of the second of the se	ECLASS-8.0	27060307
ECLASS-11.1     27060307       ECLASS-12.0     27060307       ETIM-5.0     EC002599       customs tariff number     85444290       GTIN     406590902940       Packaging unit     1       Electrical data   Supply        Operating voltage DC max.     60 V       Current operating per contact max.     1.5 A       Industrial communication        Transfer parameters     CAT5, Class D (ISO/IEC 11801-2002), (EN 50173-1)       Data transmission rate max.     100 MBit/s       Industrial communication   Ethernet functionality        duplex     Full duplex       Degree of protection   Electrical        Degree of protection degree     inserted, screwed       Polution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60654-1)     1       Mechanical data     Contour for corrugated hose       Contour for corrugated hose     without       Mechanical data     Coating locking       Coating locking     nickel plated       Locking material     Zinc die-casting	ECLASS-9.0	27060307
ECLASS-12.0     27060307       ETIM-5.0     EC002599       customs tariff number     85444290       GTIN     4065909002940       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     CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)       Data transmission rate max.     100 MBit/s       Industrial communication   Ethernet functionality     1       Device protection   Electrical     EUI duplex       Degree of protection (EN IEC 60529)     IP65, IP67, IP66K       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 KV       Material group (IEC 60654-1)     1       Mechanical data     Contour for corrugated hose       Contour for corrugated hose     without       Mechanical data     Idael plated       Looking material     Zinc die-casting		27060307
ETIM-5.0   EC002599     customs tariff number   85444290     GTIN   4065909002940     Packaging unit   1     Electrical data   Supply      Operating voltage DC max.   60 V     Current operating per contact max.   1,5 A     Industrial communication      Transfer parameters   CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)     Data transmission rate max.   100 MBit/s     Industrial communication   Ethernet functionality      duplex   Full duplex     Device protection   Electrical      Degree of protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60684-1)   I     Mechanical data      Contour for corrugated hose   without     Mechanical data   Material group (IEC 60684-1)     Coating locking   nickel plated     Locking material   Zinc die-casting		
customs tariff number   85444290     GTIN   4065909002940     Packaging unit   1     Electrical data   Supply      Operating voltage DC max.   60 V     Current operating per contact max.   1,5 A     Industrial communication      Transfer parameters   CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)     Data transmission rate max.   100 MBit/s     Industrial communication   Ethernet functionality      duplex   Full duplex     Device protection   Electrical      Degree of protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   1,5 KV     Material group (IEC 60664-1)   1     Mechanical data      Contour for corrugated hose   without     Mechanical data      Coating locking   nickel plated     Locking material   Zinc die-casting		
GTIN   4065909002940     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   CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)     Data transmission rate max.   100 MBit/s     Industrial communication   Ethernet functionality   0     duplex   Full duplex     Device protection   Electrical   0     Degree of protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   1     Mechanical data   1     Contour for corrugated hose   without     Mechanical data   Material data     Coating looking   nickel plated     Looking material   Zinc die-casting		
Packaging unit   1     Electrical data   Supply   Operating voltage DC max.   60 V     Current operating per contact max.   1,5 A     Industrial communication   Industrial communication     Transfer parameters   CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)     Data transmission rate max.   100 MBit/s     Industrial communication   Ethernet functionality   duplex     duplex   Full duplex     Device protection   Electrical   Degree of protection degree     Degree of protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   I     Mechanical data   without     Contour for corrugated hose   without     Mechanical data   Material data   Coating locking     Coating locking   nickel plated     Locking material   Zinc die-casting		
Electrical data   Supply     Operating voltage DC max.   60 V     Current operating per contact max.   1,5 A     Industrial communication   Industrial communication     Transfer parameters   CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)     Data transmission rate max.   100 MBit/s     Industrial communication   Ethernet functionality   duplex     duplex   Full duplex     Device protection   Electrical   Electrical     Degree of protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   I     Mechanical data   Econtour for corrugated hose     Contour for corrugated hose   without     Mechanical data   Material data   Ecoxing     Coating locking   nickel plated     Locking material   Zinc die-casting		
Operating voltage DC max.   60 V     Current operating per contact max.   1,5 A     Industrial communication   Itansfer parameters     CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)     Data transmission rate max.   100 MBit/s     Industrial communication   Ethernet functionality     duplex   Full duplex     Device protection   Electrical     Degree of protection degree   inserted, screwed     Pollution protection degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   I     Mechanical data   Vithout     Contour for corrugated hose   without     Mechanical data   Material data   Coating locking     Coating locking   nickel plated     Locking material   Zinc die-casting		1
Current operating per contact max.   1,5 A     Industrial communication   Transfer parameters   CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)     Data transmission rate max.   100 MBit/s     Industrial communication   Ethernet functionality   duplex     duplex   Full duplex     Device protection   Electrical   Peese of protection (EN IEC 60529)     Degree of protection nervee   inserted, screwed     Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   I     Mechanical data   Contour for corrugated hose     Contour for corrugated hose   without     Mechanical data   Material data   Coating locking     Coating locking   nickel plated     Locking material   Zinc die-casting		
Industrial communication     Transfer parameters   CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)     Data transmission rate max.   100 MBit/s     Industrial communication   Ethernet functionality   Industrial communication   Ethernet functionality     duplex   Full duplex     Device protection   Electrical   Electrical     Degree of protection (EN IEC 60529)   IP65, IP67, IP66K     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   I     Mechanical data   Contour for corrugated hose     Contour for corrugated hose   without     Mechanical data [Material data   Coating locking     Coating locking   nickel plated     Locking material   Zinc die-casting		
Transfer parameters   CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)     Data transmission rate max.   100 MBit/s     Industrial communication   Ethernet functionality   Full duplex     duplex   Full duplex     Device protection   Electrical   Electrical     Degree of protection (EN IEC 60529)   IP65, IP67, IP66K     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   I     Mechanical data   without     Mechanical data [ Material data   Contour for corrugated hose     Coating locking   nickel plated     Locking material   Zinc die-casting	Current operating per contact max.	1,5 A
Data transmission rate max.   100 MBit/s     Industrial communication   Ethernet functionality     duplex   Full duplex     Device protection   Electrical     Degree of protection (EN IEC 60529)   IP65, IP67, IP66K     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   I     Mechanical data   without     Contour for corrugated hose   without     Mechanical data   Material data   coating locking     Coating locking material   Zinc die-casting	Industrial communication	
Industrial communication   Ethernet functionality     duplex   Full duplex     Device protection   Electrical     Degree of protection (EN IEC 60529)   IP65, IP67, IP66K     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   I     Mechanical data   without     Contour for corrugated hose   without     Mechanical data   Material data   nickel plated     Coating locking   nickel plated     Locking material   Zinc die-casting	Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
duplexFull duplexDevice protection   ElectricalDegree of protection (EN IEC 60529)IP65, IP67, IP66KAdditional condition protection degreeinserted, screwedPollution Degree3Rated surge voltage1,5 kVMaterial group (IEC 60664-1)IMechanical datawithoutContour for corrugated hosewithoutMechanical data   Material datanickel platedLocking materialZinc die-casting	Data transmission rate max.	100 MBit/s
Device protection   Electrical     Degree of protection (EN IEC 60529)   IP65, IP67, IP66K     Additional condition protection degree   inserted, screwed     Additional condition protection degree   iserted, screwed     Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   I     Mechanical data   without     Contour for corrugated hose   without     Mechanical data   Material data   nickel plated     Coating locking   nickel plated     Locking material   Zinc die-casting	Industrial communication   Ethernet fun	ctionality
Device protection   Electrical     Degree of protection (EN IEC 60529)   IP65, IP67, IP66K     Additional condition protection degree   inserted, screwed     Additional condition protection degree   iserted, screwed     Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   I     Mechanical data   without     Contour for corrugated hose   without     Mechanical data   Material data   nickel plated     Coating locking   nickel plated     Locking material   Zinc die-casting	duplex	Full duplex
Degree of protection (EN IEC 60529)IP65, IP67, IP66KAdditional condition protection degreeinserted, screwedPollution Degree3Rated surge voltage1,5 kVMaterial group (IEC 60664-1)IMechanical dataVContour for corrugated hosewithoutMechanical data   Material dataCoating lockingnickel platedLocking materialZinc die-casting	· · · · · · · · · · · · · · · · · · ·	
Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   I     Mechanical data   vithout     Contour for corrugated hose   without     Mechanical data   Material data   coating locking     Coating locking   nickel plated     Locking material   Zinc die-casting		IP65, IP67, IP66K
Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   I     Mechanical data   I     Contour for corrugated hose   without     Mechanical data   Material data   I     Coating locking   nickel plated     Locking material   Zinc die-casting		
Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   I     Mechanical data   I     Contour for corrugated hose   without     Mechanical data   Material data   I     Coating locking   nickel plated     Locking material   Zinc die-casting		
Material group (IEC 60664-1) I   Mechanical data Vitout   Contour for corrugated hose without   Mechanical data   Material data Vitout   Coating locking nickel plated   Locking material Zinc die-casting		
Mechanical data   without     Contour for corrugated hose   without     Mechanical data   Material data   nickel plated     Coating locking   nickel plated     Locking material   Zinc die-casting		
Contour for corrugated hose without   Mechanical data   Material data Material data   Coating locking nickel plated   Locking material Zinc die-casting		
Mechanical data   Material data     Coating locking   nickel plated     Locking material   Zinc die-casting		without
Coating locking nickel plated   Locking material Zinc die-casting	-	
Locking material Zinc die-casting		
Mechanical data   Mounting data	-	2
	Mechanical data   Mounting data	

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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.	
Conformity		
Product standard	DIN EN 61076-2-101 (M12)	
Installation   Cable		
Cable identification	S7V	
Jacket Color		
	green	
Type of Certificate	cURus	
Amount stranding	2	
Stranding	2 wires twisted	
Amount stranding (type 2)	1	
Stranding (type 2)	2 Stranded joints twisted	
Cable shielding (type)	copper braid, tinned	
Cable shielding (coverage)	75 %	
Banding	Foil	
wire arrangement	(white, blue), (orange, yellow)	
Cable weigth	74,8 g/m	
Material jacket	TPE	
Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free	
Outer-diameter (jacket)	7,87 mm	
Tolerance outer diameter (sheath)	±5%	
Material wire insulation	HDPE	
Amount wires	4	
Outer diameter insulation	1,47 mm	
Outer diameter tolerance core insulation	±5%	
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free	
Amount strands (wire)	19	
Diameter of single wires	22 AWG	
Conductor crosssection (wire)	22 AWG	
Material conductor wire	copper stranded wire, tinned	
Nominal voltage AC max.	600 V	
Min. operating temperature (static)	-40 °C	
Max. operating temperature (static)	-40 °C	
UV resistance	DIN EN ISO 4892-2 A	
	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090	
Flame resistance		
chemical resistance	Good, application-related testing	
Gasoline resistance	Good, application-related testing	
Oil resistance	Good, application-related testing   DIN EN 60811-404	
Bending radius (fixed)	8 x Outer diameter	
Travel speed (C-track)	35 Mio. @ 25 °C	
No. of torsion cycles	5 Mio. 25 °C	
Torsion stress	± 180 °/m	

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