

## M12 female 90° Y-cod. with cable shielded

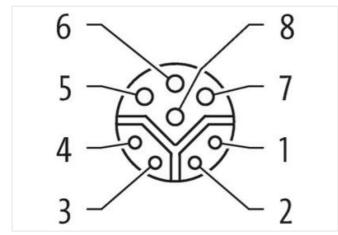
PUR AWG20/26 shielded bk UL/CSA+drag ch. 5m

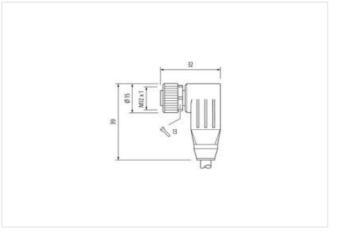
Ethernet CAT5 Female 90° M12, 8-pole Y-coded shielded Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

## Link to Product



OG WH	
GN WH	
GN	
BU	
WH	
BN	
BK	





Product may differ from Image



Cable length

5 m

Side 1

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



Family construction form         M12           Thread         M12 x 1           Coding         Y           Material         PUR           With across flats         SW13           Dagree of protection (EN EC 60529)         IP65, IP67           Commercial data         ECLASS-6.0           ECLASS-6.0         27279218           ECLASS-6.0         27060307           ECLASS-6.0         27060307           ECLASS-8.0         27060307           ECLASS-8.1         27060307           ECLASS-8.1         27060307           ECLASS-8.1         27060307           ECLASS-8.1         27060307           ECLASS-8.1         27060307           ECLASS-8.1.1         27060307           ECLASS-8.1.2         27060307           ECLASS-8.1.3         27060307           ECLASS-8.1.4         27060307           ECLASS-8.1.5         EC001855           cautoms tarff number         6544230           GTIN         4948979905176           Packaging unit         1           Electrical data [ Supply         Coperating voltage PC max.           Operating voltage PC max.         50 V           Operating voltage PC max.         50	Tightening torque	0,6 Nm		
Thread         M12 x 1           Coading         Y           Maxinal         PUR           Worth accoss flats         SW13           Degree of problems (FN EG 00529)         IPS5, IPS7           Commercial data         27078/18           EQLASS-6.0         27278/18           EQLASS-7.0         27080007           EQLASS-7.1         404897902176           EQASST.0         50 V	Mounting method	inserted, screwed		
CodingYMatarialPURMatarialPURWeth arcsas fatsSW13Degree of protection (EN EC 60529)IPES, IPE7Commercial data27279218ECLASS 6.027279218ECLASS 6.127060307ECLASS 7.027060307ECLASS 7.027060307ECLASS 8.027060307ECLASS 7.027060307ECLASS 7.027060307ECLASS 7.027060307ECLASS 7.027060307ECLASS 7.127060307ECLASS 7.127060307ECLASS 7.127060307ECLASS 7.127060307ECLASS 7.127060307ECLASS 7.127060307ECLASS 7.127060307ECLASS 7.127060307ECLASS 7.127060307ECLASS 7.227060307ECLASS 7.127060307ECLASS 7.227060307ECLASS 7.127060307ECLASS 7.127060307ECLASS 7.127060307ECLASS 7.127060307ECLASS 7.127060307ECLASS 7.107060307ECLASS 7.107060307ECLASS 7.107060307ECLASS 7.107060307Evertion data Max50 VOperating voltage Conax.50 VOperating voltage Conax.	Family construction form	M12		
Material         PUR           With access flats         W13           Degree of protection (EN EC 60529)         IP65, IP67           Commercial data         27005007           EQLASS.6.0         2720218           EQLASS.7.0         27005007           EQLASS.7.1         27005007           EQLASS.7.1.1         27005007           EQLASS.7.2.0         27005007           EQLASS.7.1.1         27005007           EQLASS.7.2.0         27005007           EQLASS.7.1.1         27005007           EQLASS.7.2.0         27005007           EQLASS.7.2.0         27005007           EQLASS.7.2.0         27005007           EQLASS.7.2.0         27005007           EQLASS.7.1.1         27005007           EQLASS.7.2.0         27005007           EQLASS.7.1.1         27005007           EQLASS.7.1.1         27005007           EQLASS.7.1.1         27005007 <td< td=""><td>Thread</td><td>M12 x 1</td></td<>	Thread	M12 x 1		
Widh actass fats         SW13           Degree of protection (EN EC 6029)         IP65, IP67           Commercial dis         E           ECLASS 6.0         2727218           ECLASS 6.1         27060007           ECLASS 6.3         27050007           ECLASS 6.4         27060007           ECLASS 6.3         27050007           ECLASS 6.4         27050007           ECLASS 6.1         27050007           ECLASS 6.1         27050007           ECLASS 7.0         27050007           ECLASS 7.1         27050007           ECLASS 7.2         27050007           ETMA 5.0         ECO01855           Casson staff number         854420           GTIN         4048979905176           Packaging unt         1           Edecicial dial Soppy         30 V           Operating voltage AC max.         50 V           Oparating voltage AC max.         50 V           O	Coding	Y		
Degree of protection (EN IEC 60529)         IP65, IP67           Commonical data         Procession (EN IEC 60529)           ECLASS 6.0         2727921 6           ECLASS 6.1         27060307           ECLASS 6.0         27060307           ECLASS 9.0         27060307           ECLASS 9.0         27060307           ECLASS 9.1         27060307           ECLASS 10         27060307           ECLASS 11         27060307           ECLASS 12.0         ECON185           Castor Inf Internor         9544220           GTIN         448879906176           Parating voltage CAmax         50 V	Material	PUR		
Commercial data       ECLASS-6.0     27272918       ECLASS-6.1     27060307       ECLASS-7.0     27060307       ECLASS-8.0     27060307       ECLASS 8.0     27060307       ECLASS 9.10     27060307       ECLASS 9.11     27060307       ECLASS 9.10     27060307       ECLASS 9.11     27060307       ECLASS 9.12     27060307       ECLASS 9.12     27060307       ECLASS 9.10     27060307       ECLASS 9.10     27060307       ECLASS 9.12     27060307       ECLASS 9.10     27060307       ECLASS 9.10     27060307       ECLASS 9.10     27060307       ECLASS 9.10     27060307       ECLASS 9.12     27060307       ECLASS 9.10     1       Electrical data 15000     50       Operating voltage 0D max. UL idega     50       Operating voltage 0D max. UL idega     1       Industrial communication Elemente	Width across flats	SW13		
ECLASS 6.0     27273218       ECLASS 5.1     27060307       ECLASS 5.4     27060307       ECLASS 5.4.0     27060307       ECLASS 5.4.0     27060307       ECLASS 5.1.1     27060307       ECLASS 5.1.1     27060307       ECLASS 5.1.1     27060307       ECLASS 5.1.1     27060307       ECLASS 5.20     27060307       Devision protein devision     50 V       Oparating ourset par Adia contat max.     50 V       Dorating o	Degree of protection (EN IEC 60529)	IP65, IP67		
ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-1.1         27060307           ECLASS-1.1         27060307           ECLASS-1.1         27060307           ECLASS-1.1         27060307           ECLASS-1.1         27060307           ECLASS-1.2.0         27060307           ECLASS-1.3         27060307           ECLASS-1.1         27060307           ECLASS-1.2.0         27060307           ECLASS-1.1         27060307           ECLASS-1.1         27060307           ECLASS-1.1         27060307           ECLASS-1.1         27060307           ECLASS 1.2.0         27060307           ECLASS 1.2.0         27060307           ECLASS 1.1         27060307           ECLASS 1.2.0         27060307           ECLASS 2.1.0         27060307           Operating outlage 0.0 max. (U.1-Inted)         30 V           Operatin	Commercial data			
ECLASS-7.0     27060307       ECLASS-8.0     27060307       ECLASS-8.1     27060307       ECLASS-8.11     27060307       ECLASS-11.1     27060307       ECLASS-12.0     27060307       ECLASS-13.1     27060307       ECLASS-14.0     27060307       ECLASS-12.0     27060307       ETM-5.0     EC001655       cuasoms taiff number     8544290       GTIN     40487995176       Packagin unit     1       Etercical data   Supply     Unit of the second	ECLASS-6.0	27279218		
ECLASS 8.0     27060307       ECLASS 9.0     27060307       ECLASS 9.1     27060307       ECLASS 9.1     27060307       ECLASS 9.1     27060307       ECLASS 9.1     27060307       ECLASS 9.0     27060307       ECLASS 9.0     ECO1655       oustoms staff number     8544290       GTIN     4049879905176       Packaging unit     1       Etectical data   Suppit     J       Operating voltage DC max.     50 V       Data transmission runk     0.5 A       Data transmission runk     0.5 A       Industrial communication (Ethernet function)     10       Industrial communication (Ethernet function)     10       Industrial condition protection d	ECLASS-6.1	27060307		
ECLASS-9.0         27060307           ECLASS-11.1         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-11.1         4048079905176           Packaging unit         1           Electrical data [Supply         Electrical data [Supply           Operating voltage DC max.         50 V           Operating voltage DC max.         6.4           Industrial communication         0.5 A           Operating voltage DC max.         10 MBit/s           Industrial communication [Electrical Max.         100 MBit/s           Industrial communication [Electrical Max.         100 MBit/s	ECLASS-7.0	27060307		
ECLASS:10.1         27060307           ECLASS:12.0         27060307           ECLASS:20.0         27060307           ETIM 5.0         EC001855           customs tarif number         85444290           GTIN         4048879905176           Packaging unit         1           Electrical data   Supply            Operating voltage DC max.         50 V           Operating voltage DC max.         50 V           Operating voltage DC max.         0.5 A           Operating voltage DC max.         0.6 A           Industrial communication            Industrial communication            Industrial communication   Elefternet function=lity            duplex         Full duplex           Industrial communication   Eleftericat            Additional condition protection logree         1           Industrial communication   Eleftericat            Additional condition protection degree         3           Rated suge voltage         0.	ECLASS-8.0	27060307		
ECLASS-11.1     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ECLASS-12.0     EC001855       customs tariff number     85444230       GTIN     404877995176       Peckaging unit     1       Electrical data   Supply     Comparing voltage AC max.       Operating voltage AC max.     50 V       Operating voltage DC max.     50 V       Operating voltage DC max.     50 V       Operating current per data contact max.     6.5       Operating current per opore contact max.     6.4       Transfer parameters     CATS, Class D (ISO/IEC 11801:2002), (EN 50173·1)       Data transmission rate max.     100 MBit/s       Industrial communication   Ethernet functionality     Idugitex       Industrial conduction geree     inserted, screwed       Pollution Degree     3       Rated surge voltage     0.8 k/       Material group (IEC 60664-1)     1       Mechanical dat     Idudited       Contor for corrugated hose     without       Mechanical data     Zinc die casting       Material group (IEC 60664-1)     Incider Jacating (IEC III Electrical       Casting locking     Nickeled       Contor for corrugated hose     without       Mechanical data   Meterial data     Zinc die casting <td>ECLASS-9.0</td> <td>27060307</td>	ECLASS-9.0	27060307		
ECI.ASS-12.0         27060307           ETIM-5.0         EC001855           cations tatiffrumber         85444230           GTIN         4048879905176           Packaging unit         1           Electrical data   Supply         Compariting voltage AC max.           Operating voltage AC max.         50 V           Operating voltage AC max.         50 A           Operating voltage AC max.         6 A           Industrial communication         Etite           Industrial communication   Ethernet functionality         Etite Actionality <t< td=""><td>ECLASS-10.1</td><td>27060307</td></t<>	ECLASS-10.1	27060307		
ETIM 4.0         EC00 1855           customs tailf number         B5444290           GTIN         4048879905176           Packaging unit         1           Electrical data   Supply            Operating voltage AC max.         50 V           Operating voltage DC max.         50 V           Operating voltage DC max.         50 V           Operating current per data contact max.         0.5 A           Operating current per data contact max.         0.5 A           Operating current per data contact max.         0.5 A           Operating current per oper contact max.         0.6 A           Industrial communication         CATS, Class D (ISO/IEC 11801:2002), (EN 50173-1)           Data transmission rate max.         100 MBt/s           Industrial communication   Ethernet functionality            duplex         Full duplex           Installation   Connection         M12 x 1           Device protecton   Electrical            Additional condition protection degree         inserted, screwed           Pollution dogree         3           Rated surge voltage         0.8 kV           Material group (IEC 60684-1)         1           Mechanical data         Material data           Conto	ECLASS-11.1	27060307		
customs tartif number         85444290           GTIN         4048873905176           Packaging unit         1           Electrical data (Supply         50 V           Operating voltage AC max.         50 V           Operating voltage DC max.         50 V           Operating voltage DC max.         50 V           Operating current per data contact max.         0.5 A           Operating current per data contact max.         6 A           Industrial communication         Electrical data (Supply           Industrial communication I Element functionate max.         100 MBr/s           Maining set         M12 x 1           Device protection I Electrical         Servee data condition protection degree           Additional condition protection degree         18x1           Material gorung (Ede 60664-1)         1           Material gorung (Ede 60664-1)         1           Material data (Material data         Canting conditin protecin dese           Contary for c	ECLASS-12.0	27060307		
GTIN         4048879905176           Packaging unit         1           Electrical data   Supply            Operating voltage C max.         50 V           Operating voltage D C max.         50 V           Operating voltage D C max.         0.5 A           Operating current per data contact max.         0.5 A           Transfer parameters         CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)           Data transmission rate max.         100 MBWs           Industrial communication   Electrical         Industrial communication   Electrical           Mounting set         M12 x 1           Device protection   Electrical         Screwed           Pollution Degree         3           Reted surge voltage         0.8 kV           Material group (IEC 60684-1)         I           Mechanical data         Material data           Contor for corrugate hose         without           Mechanical data   Material data	ETIM-5.0	EC001855		
Packaging unit       1         Electrical data   Supply         Operating voltage AC max.       50 V         Operating voltage DC max.       100 V         Operating current per data contact max.       0.5 A         Operating current per data contact max.       6 A         Industrial communication       Environmentation         Transfer parameters       CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)         Data transmission rate max.       100 MB//s         Industrial communication   Ethernet functionality       Ethernet functionality         duplex       Full duplex         Industrial communication   Ethernet functionality       Ethernet functionality         duplex       Full duplex         Installation   Connection       M12 x 1         Device protection   Electrical       Serwed         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       0,8 kV         Material group (IEC 60664-1)       1         Mechanical data (Material data       Economo corrugated hose         Contur for corrugated hose       without         Mechanical data (Material data       Zinc die-casting         Coating of fitting       nickel plated <t< td=""><td>customs tariff number</td><td>85444290</td></t<>	customs tariff number	85444290		
Electrical data   Supply         Operating voltage AC max.       50 V         Operating voltage DC max.       50 V         Operating voltage DC max.       50 V         Operating voltage DC max.       0.5 A         Operating current per data contact max.       0.5 A         Operating current per power contact max.       6 A         Industrial communication       Editation (States D (ISO/IEC 11801:2002), (EN 50173-1)         Data transmission rate max.       100 MBit/s         Industrial communication   Ethernet functionality       Editation (Connection I Ethernet functionality)         Mounting set       Full duplex         Installation   Connection Genee       Inserted, screwed         Politoin Degree       3         Rated surge voltage       0,8 kV         Material group (IEC 60684-1)       1         Material group (IEC 60684-1)       1         Mechanical data       Eucoremotion I Etheret functionality         Contruer for corrugated hose       without         Material group (IEC 60684-1)       1         Material group (IEC 60684-1)       1         Mechanical data       Eucoremotion I Etheret functionality         Contruer for corrugated hose       without         Mechanical data [ Material data       Eucoremotion     <	GTIN	4048879905176		
Operating voltage AC max.         50 V           Operating voltage DC max.         50 V           Operating voltage DC max.         0.5 A           Operating current per duta contact max.         0.5 A           Operating current per power contact max.         6 A           Industrial communication         Transfer parameters         CAT5. Class D (ISO/IEC 11801:2002), (EN 50173-1)           Data transmission rate max.         100 MBI/s         Industrial communication   Ethernet turcturcturcturcturcturcturcturcturcturc	Packaging unit	1		
Operating voltage DC max.         50 V           Operating voltage DC max.         30 V           Operating voltage DC max.         0.5 A           Operating current per data contact max.         0.5 A           Operating current per power contact max.         0.5 A           Industrial communication         Transfer parameters         CAT5. Class D (ISO/IEC 11801:2002), (EN 50173-1)           Data transmission rate max.         100 MBit/s         Transfer parameters         CAT5. Class D (ISO/IEC 11801:2002), (EN 50173-1)           Industrial communication   Ethernet functionality         duplex         Transfer parameters         CAT5. Class D (ISO/IEC 11801:2002), (EN 50173-1)           Industrial communication   Ethernet functionality         duplex         Full duplex         Transfer parameters           Industrial communication   Ethernet functionality         duplex         Full duplex         Transfer parameters           Device protection   Electrical         Mounting set         M12 x 1         Device protection   Electrical           Additional condition protection degree         inserted, screwed         Pollution Degree         3           Rated surge voltage         0.8 kV         Material group (IEC 60664-1)         1           Mechanical data         Mounting method         without         Mcchanical data           Contour for corurugate hos	Electrical data   Supply			
Operating voltage DC max. (UL-listed)         30 V           Operating current per data contact max.         0,5 A           Operating current per power contact max.         6 A           Industrial communication         F           Transfer parameters         CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)           Data transmission rate max.         100 MBit/s           Industrial communication   Ethernet functionality         F           duplex         Full duplex           Installation   Connection         M12 x 1           Device protection   Electrical         M12 x 1           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0.8 kV           Material group (IEC 60664-1)         I           Mechanical data         Contour for corrugated hose           Contour for corrugated hose         without           Mechanical data   Material data         Zinc die-casting           Coating of fitting         nickel plated           Coating of fitting         Zinc die-casting           Material screw connection         Zinc die-casting           Material screw connection         Zinc die-casting           Material screw connection         Zinc die-casting	Operating voltage AC max.	50 V		
Operating current per data contact max.         0.5 A           Operating current per power contact max.         6 A           Industrial communication         Endustrial communication           Transfer parameters         CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)           Data transmission rate max.         100 MBit/s           Industrial communication   Ethernet functionality         Idout transmission rate max.           Industrial communication   Ethernet functionality         Idout transmission rate max.           Installation   Connection         Installation   Connection           Mounting set         M12 x 1           Device protection   Electrical         Additional condition protection degree           Additional condition protection degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         I           Mechanical data         Material data           Contor for corrugated hose         without           Mechanical data   Material data         Code casting           Coating of fitting         nickeled           Coating of fitting         Zinc die-casting           Material screw connection         Zinc die-casting           Material screw connection         Zinc die-casting           Material screw connection         Line die-ca	Operating voltage DC max.	50 V		
Operating current per power contact max.         6 A           Industrial communication         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         Full duplex           Installation   Connection         M12 x 1           Device protection   Eternetion degree         inserted, screwed           Pollution protection degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         I           Mechanical data         Mithut           Coating of fitting         nickel plated           Coating of fitting         Nickeled           Coating of fitting         Zinc die-casting           Material screw connection         Sinserted, screwed, Shaking protection	Operating voltage DC max. (UL-listed)	30 V		
Industrial communication           Transfer parameters         CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)           Data transmission rate max.         100 MBit/s           Industrial communication   Ethernet funct	Operating current per data contact max.	0,5 A		
Transfer parameters         CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)           Data transmission rate max.         100 MBit/s           Industrial communication   Ethernet funct//         Full duplex           full duplex         Full duplex           Installation   Connection         Material Science           Mounting set         M12 x 1           Device protection   Electrical         Inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         1           Mechanical data         Vithout           Contor for corrugated hose         without           Coating looking         Nickeled           Coating looking         Nickeled           Coating fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Material screw connection         Since die-casting           Mechanical data   Mounting data         Mounting method           Mechanical data   Mounting data         Since die-casting	Operating current per power contact max.	6 A		
Data transmission rate max.     100 MBit/s       Industrial communication   Ethernet functionality       duplex     Full duplex       Installation   Connection       Mounting set     M12 x 1       Device protection   Electrical       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     0.8 kV       Material group (IEC 60664-1)     I       Mechanical data     V       Contour for corrugated hose     without       Mechanical data   Material data       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     Sine die-casting       Material screw connection     Zinc die-casting       Material screw connection     Sine die-casting       Material screw connection     Sine die-casting       Material screw connection     Zinc die-casting       Material screw connection     Sine die-casting       Material screw connection     Sine die-casting       Material screw connection     Sine die-casting       Material characteristics   Climatic     Sine die-casting	Industrial communication			
Industrial communication   Ethernet functionality           duplex         Full duplex           Installation   Connection           Mounting set         M12 x 1           Device protection   Electrical         Inserted, screwed           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         1           Mechanical data         Vithout           Contour for corrugated hose         without           Coating locking         Nickeled           Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Material screw connection         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Inserted, Snaking protection	Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)		
duplex       Full duplex         Installation   Connection       Mil x 1         Mounting set       M12 x 1         Device protection   Electrical       Inserted, screwed         Additional condition protection degree       inserted, screwed         Polluon Degree       3         Rated surge voltage       0,8 kV         Material group (IEC 60664-1)       I         Mechanical data       V         Contour for corrugated hose       without         Mechanical data       Nickeled         Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zin c die-casting         Material screw connection       Zin c die-casting         Mechanical data   Mounting data       Inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Furonmental characteristics   Climatic	Data transmission rate max.	100 MBit/s		
Installation   Connection           Mounting set         M12 x 1           Device protection   Electrical         Inserted, screwed           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         I           Mechanical data         vithout           Contour for corrugated hose         without           Contour for corrugated hose         vithout           Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Korewed, Shaking protection           Environmental characteristics   Climatic         Vitered, screwed, Shaking protection	Industrial communication   Ethernet functionality			
Mounting set         M12 x 1           Device protection   Electrical         inserted, screwed           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         1           Mechanical data         inserted, screwed           Mechanical data         without           Mechanical data   Material data         vithout           Contour for corrugated hose         without           Coating locking         Nickeled           Coating locking         Nickeled           Coating in fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mounting method         inserted, screwed, Shaking protection	duplex	Full duplex		
Mounting set         M12 x 1           Device protection   Electrical         inserted, screwed           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         1           Mechanical data         inserted, screwed           Mechanical data         without           Mechanical data   Material data         vithout           Contour for corrugated hose         without           Coating locking         Nickeled           Coating locking         Nickeled           Coating in fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mounting method         inserted, screwed, Shaking protection	Installation   Connection			
Device protection   Electrical         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       0,8 kV         Material group (IEC 60664-1)       1         Mechanical data       1         Contour for corrugated hose       without         Mechanical data   Material data       without         Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mounting method       inserted, screwed, Shaking protection		M12 x 1		
Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       0,8 kV         Material group (IEC 60664-1)       I         Mechanical data       I         Contour for corrugated hose       without         Mechanical data   Material data       V         Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Vertexed, Shaking protection				
Pollution Degree       3         Rated surge voltage       0,8 kV         Material group (IEC 60664-1)       I         Mechanical data       ithout         Contour for corrugated hose       without         Mechanical data   Material data       vithout         Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Mounting method         Kenanical data   Mounting data       inserted, screwed, Shaking protection		inserted screwed		
Rated surge voltage       0,8 kV         Material group (IEC 60664-1)       I         Mechanical data       interval data         Contour for corrugated hose       without         Mechanical data   Material data       Vickeled         Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Mounting method         Mounting method       inserted, screwed, Shaking protection	· · ·			
Material group (IEC 60664-1)       I         Mechanical data       without         Contour for corrugated hose       without         Mechanical data   Material data       Nickeled         Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Niserted, screwed, Shaking protection         Environmental characteristics   Climatic       Vertex of the casting screwed, Shaking protection				
Mechanical data       without         Contour for corrugated hose       without         Mechanical data   Material data       Nickeled         Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Mounting method         Mounting method       inserted, screwed, Shaking protection				
Contour for corrugated hose       without         Mechanical data   Material data       Nickeled         Coating locking       Nickel plated         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Xinc die-casting         Mounting method       inserted, screwed, Shaking protection				
Mechanical data   Material data         Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Xinc die-casting         Mounting method       inserted, screwed, Shaking protection		without		
Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Since die-casting protection         Mounting method       inserted, screwed, Shaking protection				
Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Inserted, screwed, Shaking protection         Mounting method       inserted, screwed, Shaking protection	·	Nickeled		
Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic				
Material screw connection     Zinc die-casting       Mechanical data   Mounting data     inserted, screwed, Shaking protection       Mounting method     inserted, screwed, Shaking protection				
Mechanical data   Mounting data         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic	Material screw connection			
Mounting method inserted, screwed, Shaking protection Environmental characteristics   Climatic				
Environmental characteristics   Climatic		inserted screwed Shaking protection		
		-25 %		
		20 0		

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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	805
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires around 1 Filler twisted
Amount stranding (type 2)	
Stranding (type 2)	4 wires around Stranding combination with Filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Pair shielding (type)	copper braid, tinned
Banding	Fleece. Foil
Filler	yes
wire arrangement	black, brown, white, blue, (orange-white, green, orange, green-white)
Cable weigth	107,8 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	8.1 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	РР
Amount wires	4
Outer diameter insulation	
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	± 5 % 55 ± 5 Shore D
	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Ingredient freeness wire insulation	
Amount strands (wire)	19 20 AWG
Diameter of single wires	
Conductor crosssection (wire) Material conductor wire	20 AWG
Material conductor wire Material wire insulation (Data)	Stranded copper wire, bare PP
Outer diameter wire insulation (Data)	PP 1.1 mm
Tolerance outer diameter wire insulation (Data)	•
	55 ± 5 Shore D
Shore hardness wire insulation (Data)	
Ingredient freeness wire insulation (Data)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount wires (Data)	4
Amount strands wire (Data)	19
Diameter of single wires (Data)	26 AWG
Conductor crosssection wire (Data)	26 AWG
Material conductor wire (Data)	Stranded copper wire, bare
Traversing distance (C-track)	5 m
Nominal voltage AC max.	60 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	5,9 A
Current load capacity min. Wire (Data)	2 A

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Characteristic impedance	100 Ω ± 15 % @ 1 MHz
Electrical resistance line constant wire	35 Ω/km
Electrical resistance coating wire (Data)	140 Ω/km
AC withstand voltage (wire - wire)	1 kV @ 60 s
Electrical capacity line constant (wire - wire)	52000 pF/km
Power frequency withstand voltage (wire - jacket)	1 kV @ 60 s
AC withstand voltage (wire - shield)	1 kV @ 60 s
Min. operating temperature (static)	-50 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-40 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Flame resistance	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (installation)	x Outer diameter
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	5 Mio.
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min

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