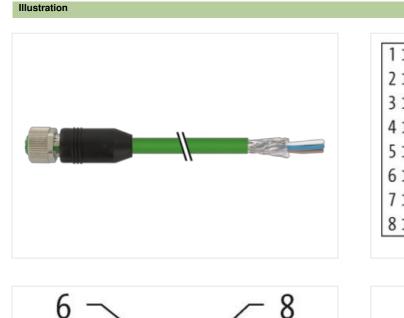


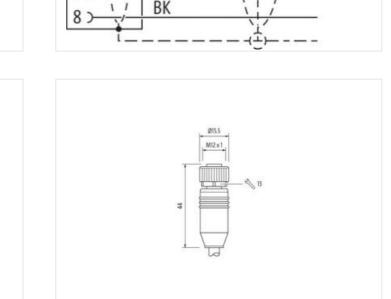
## M12 female 0° Y-cod. with cable shielded

PUR AWG20/26 shielded gn UL/CSA+drag ch. 3m

Ethernet CAT5 Female straight 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

1

0G

GN BU

WH BN

T

Product may differ from Image



Cable length

3 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: 2024-05-18



Munifing method         Mastels, screwed           Family construction form         M12           Trakes         M12 × 1           Coding         Y           Methal         PUR           With across flas         SW13           Degree of protection (EVE EC 002(9))         IPS, IPG 7           Commercial dats         27273918           ECLASS 0.0         27273918           ECLASS 7.0         27060007           ECLASS 9.0	Tightening torque	0,6 Nm
Family construction form         M12           Tread         M12 x 1           Coding         V           Material         PUR           With arcoss first Sis         SW13           Dagrae of protection (EN EG 90529)         IPSS, IPS7           Commercial data         27278218           ECLASS 6.0         27278218           ECLASS 6.1         27005007           ECLASS 7.0         27060007           ECLASS 7.0         27060007           ECLASS 7.0         27060007           ECLASS 7.0         27060007           ECLASS 7.1         0           Peckagrount         1	Mounting method	inserted, screwed
Thread         M12 x 1           Coding         Y           Coding         Y           Wath across flats         SW13           Degree of protection (EN EE 50529)         IP65, IP67           Commercial data         2772/18           ECLASS-6.0         2772/18           ECLASS-7.0         27600307           ECLASS-7.0         27600307           ECLASS-8.1         27060307           ECLASS-8.0         27060307           ECLASS-8.1         27060307           ECLASS-8.1.1         27060307           ECLASS-8.1.2         27060307           ECLASS-8.1.1         27060307           ECLASS-8.1.2         27060307           ECLASS-8.1.1         27060307           ECLASS-8.1.1         27060307           ECLASS 1.2.0         5000           Dovially collopally A		
Material         PUR           With acrose flats         SW13           Degree of protection (EN EC 60529)         IP65, IP67           Connercial dats         2778218           ECLASS 6.0         2778218           ECLASS 7.0         27060307           ECLASS 7.0         27060307           ECLASS 7.0         27060307           ECLASS 8.0         27060307           ECLASS 8.10         27060307           ECLASS 8.10.1         27060307           ECLASS 9.11.1         27060307           ECLASS 9.12.0         27060307           ECLASS 9.10         27060307           ECLASS 9.11         48487987309           Paradarja unit         1           Electrical data [ Suppit         90 V           Operating voltage Do Tax.         50 V           Operating voltage Do Tax.         5.4	Thread	M12 x 1
Widh across Rais         SW13           Degree of protection (EN IEC 60529)         1P63, IP67           Commercial dest         ECLASS 6.0         27270219           ECLASS 6.1         27060307           ECLASS 7.0         27060307           ETM 5.0         EC0000503           Coatoms faiff mumber         6544200           GTM         4049875671009           Packaging unit         1           Edectical dia   Suppy)         Coperating valtage O max. (UIstad)           Operating valtage O max. (UIstad)         30 V           Operating	Coding	Y
Degree of protection (EN IEC 60529)         IP65, IP67           Commercial data         IP65, IP67           ECLASS-6.0         27279218           ECLASS-6.1         27060307           ECLASS-6.0         27060307           ECLASS-6.0         27060307           ECLASS-0.0         27060307           ECLASS-11         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           Commercial data J Suppi         Protection (EN 6470509           Protection data J Suppi         Protection (EN 6470509           Protection data J Suppi         Protection data J Suppi           Operating voltage AC max.         50 V           Operating voltage AC max.         50 V           Operating voltage AC max.         50 A           Operating voltage AC max.         50 A           Operating voltage AC max.         6 A           Industrial communication         Time proammercian produce notatic max.           Tansfer proammercian produce notatic max.         6 A           Industrial communication [	Material	PUR
Commercial data           ECLASS 6.0         27278218           ECLASS 6.1         27060307           ECLASS 6.1         27060307           ECLASS 8.0         27060307           ECLASS 8.1         27060307           ECLASS 8.2         27060307           ECLASS 8.10         27060307           ETMA 5.0         EC000830           actions taff number         8544200           GTIN         4048878671303           Packagin unit         1           Electrical data [Suppy         Company oltage 0 Cmax.           Operating voltage 0 Cmax.         50 V           Operating voltage 0 Cmax.         10 V           Operating voltage 0 Cmax.         10 V           Operating voltage 0 Cmax.         10 V           Idetatrial communication <td< td=""><td>Width across flats</td><td>SW13</td></td<>	Width across flats	SW13
ECLASS 6.0         27278218           ECLASS 5.1         27060307           ECLASS 5.0         27060307           ECLASS 5.0         27060307           ECLASS 5.0         27060307           ECLASS 5.0         27060307           ECLASS 5.1         27060307           ECLASS 5.2         0.2           EDEATED         270000           Operating varing valtage DC max         0.9	Degree of protection (EN IEC 60529)	IP65, IP67
EQLASS-6.1         27060307           EQLASS-7.0         27060307           EQLASS-8.0         27060307           EQLASS-9.0         27060307           EQLASS-1.1         27060307           EQLASS-1.2.0         27060307           EQLASS-1.3         27060307           EQLASS-12.0         27060307           EQLASS-12.0         27060307           Calass Tailf number         85444290           customs tariff number         85444290           Customs tariff number         85444290           GTIN         404897971309           Packaging unit         1           Electrical data   Supply	Commercial data	
ECLASS -0         27060307           ECLASS -0.0         27060307           ECLASS -0.0         27060307           ECLASS -0.1         27060307           ECLASS -1.1         27060307           ECLASS -2.0         27060307           Catast -1.1         27060307           ECLASS -2.0         27060307           Catast -1.1         27060307           ECLASS -2.0         27060307           Catast -1.1         444879671309           Packaging unit         1           Electricat data   Supply         Operating voltage AC max.           Operating voltage AC max.         50 V           Deveting voltage AC max.         10 V MEV	ECLASS-6.0	27279218
ECLASS 8.0         27060307           ECLASS 9.0         27060307           ECLASS 9.0         27060307           ECLASS 1.1         27060307           ECLASS 1.2.0         27060307           Patalitic 1.1         10           EVELTION PORTON         0.5 A           Operating ourner per ower contact max.         1.5 A           Enablatic anominolation         Enablatic anominolation           Industrial communication I Ethernet functionality         Enablatic anominolation Protection Mature           Industrial communication I Ethernet functionality         Enablation I Connection	ECLASS-6.1	27060307
ECLASS-9.0         27660307           ECLASS-10.1         27660307           ECLASS-11.1         27660307           ECLASS-12.0         27660307           ECLASS-12.0         27660307           ECLASS-12.0         27660307           ECLASS-12.0         27660307           ETM-5.0         EC00683           outstoms taiff number         8544290           GTM         4048679671309           Packaging unit         1           Electrical data [Supply         Comparing voltage DC max.           Operating voltage DC max.         50 V           Operating voltage DC max.         6 A           Industrial communication         Comparing voltage DC max.           Industrial communication X         00 VBI/VS           Industrial communication Electrical Max.         0.5 A           Industrial communication I Electrical Max.         10 (SOLICC 11801-2002), (EN 50173-1)           Data transmission rate max.         100 MBI/VS           Industrial communication I Electrical         Max.	ECLASS-7.0	27060307
EQLASS-10.1         27060307           EQLASS-11.1         27060307           EQLASS-12.0         27060307           ETM-5.0         EC000830           customs tariff number         85444290           GTN         4048879671309           Packaging unit         1           Electrical data] Supply	ECLASS-8.0	27060307
ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           Customs tariff number         85444290           GTIN         404877671309           Packaging unit         1           Electrical data   Supply            Operating voltage AC max.         50 V           Operating voltage DC max.         10 V           Operating current per data contact max.         0.5 A           Operating current per data contact max.         0.5 A           Operating current per oper contact max.         0.5 A           Operating current per oper contact max.         0.5 A           Industrial communication            Transfer parameters         CAT5, Class D (ISO/EC 11801:2002), (EN 50173·1)           Data transmission rate max.         100 MBU/s           Industrial communication   Ethernet functionality            Moutring set         M12 x 1           Device protection   Sectrical            Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0.8 k/           Material group (IEC 60664·1) <t< td=""><td>ECLASS-9.0</td><td>27060307</td></t<>	ECLASS-9.0	27060307
ECLASS-12.0         27060307           ETIM-5.0         EC000830           existoms tariff number         85444290           GTIN         4048879671309           Packaging unit         1           Electrical data [Supply         Comparition Voltago AC max.           Operating voltage AC max.         50 V           Operating voltage AC max.         50 V           Operating voltage DC max.         50 V           Operating voltage AC max. (UL-listed)         30 V           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 MBit/s           Industrial communication   Electrical           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         3           Rated argo voltage         0,8 kV           Material argonal (EC 60664-1)         1           Mechanical data         Control (EC 60664-1)           Mechanical data         Control (EC 60664-1)           Mechanical data [Material data         Control (EC 60664-1)           Mechanical data [Material data         Control (EC 60664-1	ECLASS-10.1	27060307
ETIM-5.0         EC000830           customs tariff number         85444290           GTIN         4048879671309           Packaging unit         1           Electrical data   Supply	ECLASS-11.1	27060307
customs tariff number         85444290           GTIN         4048879671309           Packaging unit         1           Electrical dial Supply         Coperating voltage AC max.         50 V           Operating voltage DC max.         50 V         Coperating voltage DC max.         50 V           Operating voltage DC max.         50 V         Coperating current per object contact max.         0.5 A           Operating current per object contact max.         6 A         Industrial communication         CATS. Class D (ISO/IEC 11801:2002), (EN 50173-1)           Tanafer parameters         CATS. Class D (ISO/IEC 11801:2002), (EN 50173-1)         Contact max.         100 MBit/s           Industrial communication   Electrical         Maxet         100 MBit/s         Communication           Industrial communication   Electrical         Maxet         Maxet         Maxet           Industrial communication   Electrical         Maxet         Maxet         Maxet           Additional condition protection degree         Inserted, screwed         Pollution Degree         3           Pollution Degree         3         Ato         Maxet arrow (IEC 60664-1)         I           Material condition protection degree         Nt/         Maxet arrow (IEC 60664-1)         I           Material condition for corrugated hose         <	ECLASS-12.0	27060307
GTIN         4048879671309           Packagng unit         1           Electrical data   Supply	ETIM-5.0	EC000830
Packaging unit         1           Electrical data   Supply	customs tariff number	85444290
Electrical data   Supply           Operating voltage AC max.         50 V           Operating voltage DC max.         50 V           Operating voltage DC max. (UL-listed)         30 V           Operating current per data contat max.         0.5 A           Operating current per power contact max.         6 A           Industrial communication         Industrial communication   Ethernet functionality           Transfer parameters         CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)           Data transmission rate max.         100 MBi/s           Industrial communication   Ethernet functionality         Iduplex           duplex         Fuil duplex           Installation   Connection         M12 x 1           Device protection   Electrical         M2 x 1           Device protection   Electrical         M2 x 1           Additional condition protection degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         1           Mechanical data         Mechanical data           Contur for corrugated hose         without           Mechanical data         Mechanical data           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Mechanical data   Mo	GTIN	4048879671309
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 pawar 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 functionality           Industrial communication   Ethernet functionality         Volt duplex         Full duplex           Installation   Connection         Mounting set         M12 x 1           Device protection   Electrical         Secondation protection degree         3           Additional condition protection degree         inserted, screwed         Pollution Degree           Pollution Degree         3         Rated surge voltage         0.8 kV           Material group (IEC 60664-1)         I         I         Image: Secondation Secondat	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.         6 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         Full duplex           Installation   Connection         M12 x 1           Device protection   Electrical         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         Inducterial data           Contour for corrugated hose         without           Mechanical data   Material data         Zinc die-casting           Material group (IEC 60664-1)         Zinc die-casting           Mechanical data   Material data         Zinc die-casting           Material group on the connection         Zinc die-casting           Material screw conne	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         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         Idustrial communication   Ethernet functionality           duplex         Full duplex         Full duplex           Installation   Connection         M12 x 1           Device protection   Electrical         M2           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0.8 kV           Material group (IEC 60664-1)         I           Mechanical data         Vickeld           Contour for corrugated hose         without           Mechanical data         Mickeld           Coating of fitting         nickel plated           Cooking metrial         Zinc die-casting           Material screw connection         Zinc die-casting           Material screw connection         Zinc die-casting           Material screw connection	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         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           Installation   Connection         M12 x 1           Device protection   Electrical         Additional condition protection degree           Additional condition protection degree         3           Polution Degree         3           Rated surge voltage         0.8 kV           Material group (IEC 60664-1)         1           Mechanical data         Moutt           Mechanical data         Wickeld           Coating of fitting         nickele plated           Coating of fitting         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Korewed, Shaking protection	Operating voltage DC max.	50 V
Operating current per power contact max.         6 A           Industrial communication         Fransfer 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         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         Mitout           Coating locking         Nickeled           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         Sin die-casting           Material screw connection         Sin die-casting           Material screw connection         Sin die-casting           Material screw connection<	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 functionality         Industrial communication   Ethernet functionality           duplex         Full duplex         Full duplex           Installation   Connection         Installation   Connection         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)         1           Mechanical data         Vector for corrugated hose         without           Contour for corrugated hose         without         Vector for corrugated hose           Coating locking         Nickeled         Coating of fitting         nickel plated           Locking material         Zinc ele-casting         Zinc ele-casting         Vector ele-casting           Meterial screw connection         Zinc ele-casting         Nourting method         inserted, screwed, Shaking protection	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/communication   Ethernet function degree         Nit x 1           Device protection   Etectrical         Mit x 1           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         1           Mechanical data         without           Mechanical data         without           Mechanical data   Material data         Contror for corrugated hose           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc 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     I       Contour for corrugated hose     without       Mechanical data   Material data       Coating locking     Nickeled       Coating locking     Nickeled       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Mounting method	Industrial communication	
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)       1         Mechanical data       U         Contour for corrugated hose       without         Mechanical data       Nickeled         Coating locking       Nickeled         Coating locking       Nickeled         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Mounting method         Inserted, screwed, Shaking protection       Environmental characteristics   Climatic	Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
duplex       Full duplex         Installation   Connection       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       V         Mechanical data       without         Contour for corrugated hose       without         Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Material screw connection       Sincelecasting         Mounting method       inserted, screwed, Shaking protection	Data transmission rate max.	100 MBit/s
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)       1         Mechanical data          Contour for corrugated hose       without         Mechanical data   Material data          Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Material screwed, Shaking protection       Environmental characteristics   Climatic	Industrial communication   Ethernet func	tionality
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         Mechanical data       Waterial data         Contour for corrugated hose       without         Mechanical data   Material data       vithout         Coating locking       Nickeled         Coating locking       Nickeled         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Inserted, screwed, Shaking protection	duplex	Full duplex
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       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       Inserted, screwed, Shaking protection	Installation   Connection	
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       I         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         Inserted, screwed, Shaking protection       Environmental characteristics   Climatic	Mounting set	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       I         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         Inserted, screwed, Shaking protection       Environmental characteristics   Climatic	Device protection   Electrical	
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       I         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         Inserted, screwed, Shaking protection       Environmental characteristics   Climatic		inserted screwed
Rated surge voltage       0,8 kV         Material group (IEC 60664-1)       I         Mechanical data       I         Contour for corrugated hose       without         Mechanical data   Material data       I         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       Vickeled         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       Climatic		
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       Inserted, screwed, Shaking protection         Environmental characteristics   Climatic       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       Inserted, screwed, Shaking protection         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       Inserted, screwed, Shaking protection         Mounting method       inserted, screwed, Shaking protection		without
Coating lockingNickeledCoating of fittingnickel platedLocking materialZinc die-castingMaterial screw connectionZinc die-castingMechanical data   Mounting dataXinc die-castingMounting methodinserted, screwed, Shaking protectionEnvironmental characteristics   Climatic		
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         Environmental characteristics   Climatic       Inserted, screwed, Shaking protection	· · · · · · · · · · · · · · · · · · ·	Nickeled
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       Environmental characteristics   Climatic		
Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic		· · · · · · · · · · · · · · · · · · ·
Mechanical data   Mounting data         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic	-	
Mounting method inserted, screwed, Shaking protection Environmental characteristics   Climatic		
Environmental characteristics   Climatic		insorted screwed Shaking protection
Operating temperature min25 °C		
	Operating temperature min.	-25 °C

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



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	
	90E
Cable identification	805
Jacket Color	green
Type of Certificate Amount stranding	cURus 1
5	4 wires around 1 Filler twisted
Stranding Amount stranding (type 2)	4 wires around 1 Filler twisted
	-
Stranding (type 2) Cable shielding (type)	4 wires around Stranding combination with Filler twisted copper braid, tinned
Cable shielding (type) Cable shielding (coverage)	85 %
Pair shielding (type)	copper braid, tinned
Banding Filler	Fleece, Foil
-	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	PP
Amount wires	4
Outer diameter insulation	1,5 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	55 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	19
Diameter of single wires	20 AWG
Conductor crosssection (wire)	20 AWG
Material conductor wire	Stranded copper wire, bare
Material wire insulation (Data)	PP
Outer diameter wire insulation (Data)	1,1 mm
Tolerance outer diameter wire insulation (data)	
Shore hardness wire insulation (Data)	55 ± 5 Shore D
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 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 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
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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