

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

PUR AWG20/26 shielded bk UL/CSA+drag ch. 9m

**Ethernet CAT5** Male straight - male straight M12 - M12, 8-pole Y-coded shielded

Further cable lengths on request.

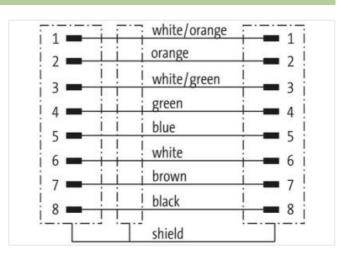
Plastic housings with good resistance against chemicals and oils.

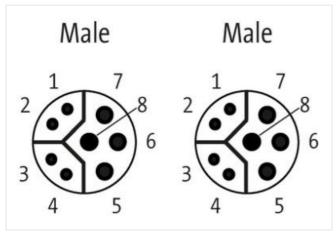
The resistance to aggressive media should be individually tested for your application. Further details on request.

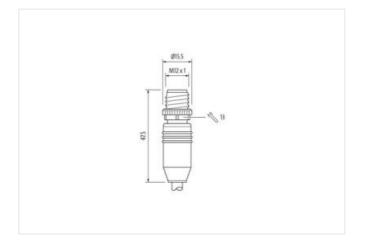
## **Link to Product**

## Illustration









Product may differ from Image



Cable length

9 m

Side 1



Family construction form	Tightening torque	0,6 Nm	
Purport	Family construction form	M12	
Material         PUR           Width across fats         SW13           Side 2         Tightening torque         0,6 Nm           Family construction form         M12           Tirroad         M12 x 1           Coding         Y           Material         PUR           Commercial data           ECLASS-6.0         27061801           ECLASS-6.1         27060907           ECLASS-7.0         27080907           ECLASS-8.0         27060907           ECLASS-9.0         27060907           ECLASS-11.1         27060907           ECLASS-11.1         27060907           ECLASS-12.0         27069007           ECLASS-12.0         27069007           ETIM-5.0         EC001855           customs tariff number         85444290           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         40487963289           Packaging unit         1           Electrical data   Supply           Operating voltage DC max.         50 V           Operating voltage DC max.         50 V           Operating voltage DC max.         50 V	Thread	M12 x 1	
Width across flats   SW13	Coding	Υ	
Side 2           Tightening torque         0,6 Nm           Family construction form         M12           Thread         M12 x 1           Coding         Y           Material         PUR           Commercial date           ECLASS 6.0         27061801           ECLASS 6.1         27060307           ECLASS 7.0         22060307           ECLASS 7.0         27060307           ECLASS 7.0	Material	PUR	
Tightening torque 0,6 Nm Family construction form M12 Tread M12 x 1 Coding Y Material PUR Commercial data ECLASS 6.0 27061801 ECLASS 6.1 27060307 ECLASS 7.0 27060307 ECLASS 8.0 27060307 ECLASS 9.0 27060307 ECLASS 9.0 27060307 ECLASS 9.0 1 27060307 ECLASS 9.0 2 27060307 ECLAS 9.0 2 270603	Width across flats	SW13	
Family construction form	Side 2		
Thread	Tightening torque	0,6 Nm	
Coding	Family construction form	M12	
Material   PUR	Thread	M12 x 1	
Commercial data	Coding	Υ	
ECLASS-6.0 27061801  ECLASS-6.1 27060307  ECLASS-7.0 27060307  ECLASS-8.0 27060307  ECLASS-8.0 27060307  ECLASS-9.0 27060307  ECLASS-10.1 27060307  ECLASS-10.1 27060307  ECLASS-11.1 27060307  ECLASS-12.0 27060307  ETM-5.0 ECO01855 customs tariff number 85444290  GTIN 4048879682599  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 50 V  Operating voltage AC max. 50 V  Operating voltage DC max. (UL-listed) 30 V  Operating current per power contact max. 0.5 A  Operating current per power contact max. 0.5 A  Operating current per power contact max. 10.0 MBit/s  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   Electrical	Material	PUR	
ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-12.0 17060307 ECLASS-12.0 1	Commercial data		
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 ECLASS-12.0 27060307 ECLASS-12.0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ECLASS-6.0	27061801	
ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879682589           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         50 V           Operating voltage DC max.         50 V           Operating voltage DC max.         0.5 A           Operating current per data 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           Degree of protection   Electrical           Degree of protection   Electrical           Degree of protection   Electrical           Degree of protection   Electrical           Material group (IEC 60664-1)         I           Mechanical data           Contour for corrugated hose         without	ECLASS-6.1	27060307	
ECLASS-9.0 27060307  ECLASS-11.1 27060307  ECLASS-12.0 27060307  ETIM-5.0 ECO3055 customs tariff number 85444290  GTIN 4048879682589  Packaging unit 1  Electrical data   Supply  Operating voltage DC max. 50 V  Operating voltage DC max. (UL-listed) 30 V  Operating current per power 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  Device protection   Electrical  Degree of protection   Electrical  Degree of protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage DC 88 V  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without	ECLASS-7.0	27060307	
ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879682589           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.           50 V         Operating voltage DC max.           Operating voltage DC max.         50 V           Operating current per data contact max.         0,5 A           Operating current per power contact max.         0,5 A           Industrial communication         CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)           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 (EN IEC 60529)         IP65, IP67           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         I </td <td>ECLASS-8.0</td> <td>27060307</td>	ECLASS-8.0	27060307	
ECLASS-11.1 27060307  ECLASS-12.0 27060307  ETIM-5.0 EC001855 customs tariff number 85444290  GTIN 4048879682589  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 50 V  Operating voltage PC max. 50 V  Operating current per data contact max. 50 V  Operating current per data 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  Degree of protection   Electrical  Degree of protection   Electrical  Degree of protection 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 without	ECLASS-9.0	27060307	
ECLASS-12.0         27060307           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879682589           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         50 V           Operating voltage DC max.         50 V           Operating outrent 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           Device protection   Electrical           Degree of protection   Electrical           Degree of protection   Encrical 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	ECLASS-10.1	27060307	
ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879682589 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 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  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67 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 without	ECLASS-11.1	27060307	
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GTIN 4048879682589  Packaging unit 1  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 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  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67  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 without	ETIM-5.0	EC001855	
Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 50 V  Operating voltage DC max. (UL-listed) 30 V  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  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 (EN IEC 60529) IP65, IP67  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 without	customs tariff number	85444290	
Electrical data   Supply  Operating voltage AC max. 50 V  Operating voltage DC max. (UL-listed) 30 V  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  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 (EN IEC 60529) IP65, IP67  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 without	GTIN	4048879682589	
Operating voltage AC max. 50 V Operating voltage DC max. 50 V 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  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 (EN IEC 60529) IP65, IP67 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 without	Packaging unit	1	
Operating voltage DC max. 50 V 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  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 (EN IEC 60529) IP65, IP67  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 without	Electrical data   Supply		
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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  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67  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 without	Operating voltage DC max.	50 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   Ethernet functionality  duplex Full duplex  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67  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 without	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  duplex Full duplex  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67  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 without	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 functionality  duplex Full duplex  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67  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 without	Operating current per power contact max.	6 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  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 without	Industrial communication		
Industrial communication   Ethernet functionality  duplex Full duplex  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67  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 without	Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)	
duplex Full duplex  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67  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 without	Data transmission rate max.	100 MBit/s	
Degree of protection (EN IEC 60529) IP65, IP67  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 without	Industrial communication   Ethernet functionality		
Degree of protection (EN IEC 60529)  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 60664-1)  Mechanical data  Contour for corrugated hose without	duplex	Full duplex	
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 without	Device protection   Electrical		
Pollution Degree 3 Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without	Degree of protection (EN IEC 60529)	IP65, IP67	
Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without	Additional condition protection degree	inserted, screwed	
Material group (IEC 60664-1)  Mechanical data  Contour for corrugated hose without	Pollution Degree	3	
Mechanical data  Contour for corrugated hose without	Rated surge voltage	0,8 kV	
Contour for corrugated hose without	Material group (IEC 60664-1)	I	
	Mechanical data		
Mechanical data   Material data	Contour for corrugated hose	without	
mountainou data   material data	Mechanical data   Material data		
Coating locking Nickeled	Coating locking	Nickeled	
Locking material Zinc die-casting	Locking material	Zinc die-casting	
Mechanical data   Mounting data	Mechanical data   Mounting data		
Mounting method inserted, screwed, Shaking protection		inserted, screwed, Shaking protection	
Environmental characteristics   Climatic	-		

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: 2024-05-17



stay connected

Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
lote on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	<b>Attention:</b> 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)	1
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  black brown white blue (grange white green eronge green white)
vire arrangement  Cable weigth	black, brown, white, blue, (orange-white, green, orange, green-white)  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
Folerance outer diameter (sheath)	± 5 %
Material wire insulation	±5% PP
	4
Amount wires	1,5 mm
Outer diameter insulation	
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	55 ± 5 Shore D
ngredient 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
Folerance outer diameter wire insulation (data)	
Shore hardness wire insulation (Data)	55 ± 5 Shore D
ngredient 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
Fraversing 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
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