

stay connected

## RJ45 male 0° / RJ45 male 0°, Gigabit

TPE 4x2x24AWG SF/UTP CAT5e bu UL/CSA, CM 13,5m

**Ethernet CAT5e** Male straight - male straight RJ45 - RJ45, 8-pole without cable sleeves shielded Protection cap

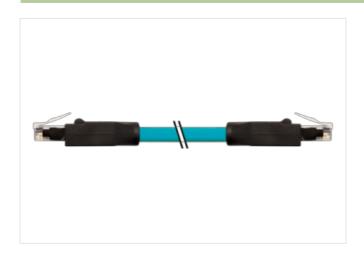
Further cable lengths on request.

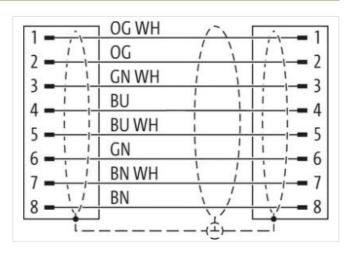
Plastic housings with good resistance against chemicals and oils.

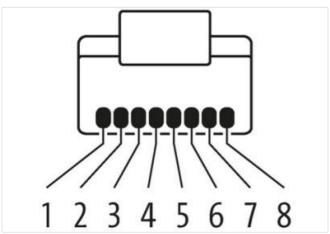
The resistance to aggressive media should be individually tested for your application. Further details on request.

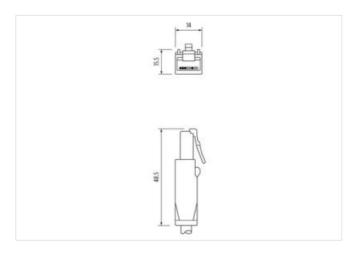
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

13,5 m



stay connected

Mounting method         inserted, screwed           Family construction form         PL45           No. of poles         8           Side 2         Mounting method         inserted, screwed           Family construction form         RL45           No. of poles         8           Commercial data           ECLASS 6.0         27061801           ECLASS 6.1         27060907           ECLASS 7.0         27060907           ECLASS 8.0         27060907           ECLASS 9.0         27060907           ECLASS 1.1.         27060907           ECLASS 1.2.0         27060907           ECLASS 1.1.         27060907           ECLASS 1.1.         27060907           ECLASS 1.2.0         27060907           ECLASS 1.1.         4008879849326           Bautions tariff number         6544210           ECLASS 1.2.0         27069007           Parkaging unit         1           Electrical data   Supply           Operating voltage DC max.         60 V           Operating voltage DC max.         60 V           Operating voltage DC max.         1.5 A           Industrial communication         1.7 A           International pa	Cide 4	
Family construction from RJ45  No. of poles 8  Side 2  Mounting method Insurtod, screwed Family construction from RJ45  No. of poles 8  Commercial date  ECLASS-6.1 27060807  ECLASS-7.0 27060807  ECLASS-8.0 27060807  ECLASS-8.1 27060007  ECLASS-8.1 27060007  ECLASS-8.1 27060007  ECLASS-8.1 27060007  ECLASS-8.1 27060007  ECLASS-8.1 1 27060007  ECLASS-8.1 1 27060007  ECLASS-8.1 1 27060007  ECLASS-8.1 1 27060007  ECLASS-9.0 27060007  ECLASS-9.0 27060007  ECLASS-9.0 27060007  ECLASS-9.0 27060007  ECLASS-1.1 27060007  ECLASS-1.2 27060007  ECLASS-1.3 27060007  ECLASS-1.3 27060007  ECLASS-1.4 27060007  ECLASS-1.5 1 27060007  ECLASS-1.5 27060007  ECLASS-1.5 2 27060007  ECLASS-1.5 2 27060007  ECLASS-1.5 3 2706000	Side 1	
No. of poles         6           Side 2         Side 3           Side 3         Secretal Secretar Secretal Secretar Secretal Secretar Secretal Secretar Secretar Secretar Secretal Secretar Secretal Secretar Secretal Secretar S		
Side 2           Mounting mathod         inserted, screwed           Family constitution from         RJ45           No. of pales         8           Commercial data           ECLASS 6.0         27061801           ECLASS 7.0         27060907           ECLASS 7.0         27060907           ECLASS 8.0         27060907           ECLASS 1.1         27060907           ECLASS 1.1.1         27069007           ECLASS 1.1.1         27069007           ECLASS 1.1.1         27069007           ECLASS 1.1.1         27069007           ECLASS 1.1.2         27069007           ECLASS 1.1.1         27069007           ECLASS 1.1.2         27069007           ECLASS 1.1.2         27069007           ECLASS 1.1.1         270490007           ECLASS 1.2.0         27069007           ECLASS 1.2.0         270690007           CELASS 1.2.0		
Mounting method         inserted, screwed           Family construction form         RJ45           No. of polises         8           Commercial data           ECLASS 6.0         27061801           ECLASS 7.0         27060907           ECLASS 7.0         27060907           ECLASS 8.0         27060907           ECLASS 8.0         27060907           ECLASS 9.10.1         27060907           Evertacing of the Color 1         10.0	No. of poles	8
Family construction form         R,445           No. of poles         8           Commercial data         Commercial data           ECLASS-6.0         27061801           ECLASS-6.1         27060307           ECLASS-7.2         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.2         27060307           ECLASS-12.0         27060307           ETM-5.0         ECOXESP9           COTIN         404837849326           Packaging unit         1           Electrical data   Supply         Volume of the properties of	Side 2	
No. of poles         6           Commercial data           ECILASS-6.1         27061801           ECILASS-6.1         27063007           ECILASS-7.0         27063007           ECILASS-8.0         27063007           ECILASS-9.0         27063007           ECILASS-11.1         27060307           ECILASS-12.0         27060307           ECILASS-11.1         27060307           ECILASS-12.0         27060007           Deparation protage data policy of max.         60 V           Operating voltage DC max.         0.0 MBUs           Evaluation for assignment         270 MBUs           Conflight and passignment         270 M	Mounting method	inserted, screwed
Commercial data           ECLASS-6.0         27061801           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.2         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ETIM-5.0         E0002599           cuations larif member         68444210           GTIN         4048879849326           Packaging unit         1           Effectical Supply         V           Operating voltage DC max.         60 V           Operating voltage DC max.         60 V           Operating voltage DC max.         60 V           Operating voltage DC max.         10 V           Operating political communication         10 V           Transfer oparameters         10 V           Operating political communication         10 V           Transfer oparameters         10 V           Status inc	Family construction form	RJ45
ECLASS 6.0         27061801           ECLASS 6.1         27060307           ECLASS 7.0         27060307           ECLASS 8.0         27060307           ECLASS 9.0         27060307           ECLASS 9.1.1         27060307           ECLASS 9.1.2.0         27060307           ECLASS 9.1.0         27060307           ECLASS 9.1.0         27060307           ETIM 5.0         E0002939           outstorn starff number         85444210           GTIN         4048879849326           Packaging unit         1           Electrical data   Supply           Operating voltage DC max.         60 V           Operating voltage DC max. (UL-listed)         30 V           Current operating per contact max.         1,5 A           Industrial communication         1           Transfer parameters         CATS, Class D ((SO/IEC 11801 2002), (EN 50173-1)           Data transmission rate max.         1000 MBIVs           Diagnation         Forestitus indication LED           Degree of protection   Flectrical         Degree of protection   Flectrical           Degree of protection   Flectrical         12           Degree of protection   General protection   Flectrical         12           Degree of protect	No. of poles	8
ECLASS-6 1         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           CURS-12.0         27060307           ECHASS-12.0         27060307           CURS-10.1         4048879849326           Packaging unit         1           Electrical data   Supply           Operating voltage DC max.           Operating voltage DC max.         60 V           Operating voltage DC max.         1,5 A           Industrial communication           Transfer parameters         CATS. Class D (ISO/IEC 11801-2002), (EN 50173-1)           Data transmission rate max.         1000 MBits           Status indication LED           Indication LED           Indication LED Indication LED           Degree of protection [Enlectical           Degree of protection Electrical           Degree of protection [Enlectical           Degree of protection [Enlectical           Degree of protection [Enlectica	Commercial data	
ECLASS-6 1         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           CURS-12.0         27060307           ECHASS-12.0         27060307           CURS-10.1         4048879849326           Packaging unit         1           Electrical data   Supply           Operating voltage DC max.           Operating voltage DC max.         60 V           Operating voltage DC max.         1,5 A           Industrial communication           Transfer parameters         CATS. Class D (ISO/IEC 11801-2002), (EN 50173-1)           Data transmission rate max.         1000 MBits           Status indication LED           Indication LED           Indication LED Indication LED           Degree of protection [Enlectical           Degree of protection Electrical           Degree of protection [Enlectical           Degree of protection [Enlectical           Degree of protection [Enlectica	ECLASS-6.0	27061801
ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC002599           customs tariff number         85444210           GTIN         4048879849326           Packaging unit         1           Electrical data   Supply           Operating voltage DC max.         60 V           Operating voltage DC max. (UL-listed)         30 V           Current operating per contact max.         1,5 A           Industrial communication         1           Transfer parameters         CAT5, Class D (ISO/IEC 11801-2002), (EN 50173-1)           Data transmission rate max.         1000 MBilvs           Diagnostics           Status indication LED         no           Installation   Pin assignment           Configuration         fully used           Device protection   Electrical           Device protection   Floric Residence   Pin		
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ECLASS-9.0 27060307 ECLASS-9.10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 EC002599 usustoms tariff number 85444210 GTIN 4048879849326 Packaging unit 1  Electrical data   Supply  Operating voltage DC max. 60 V Operating voltage DC max. (UL-listed) 30 V Current operating per contact max. 1,5 A Industrial communication  Transfer parameters CAT5, Class D (ISO/IEC 11801 2002), (EN 50173-1) Data transmission rate max. 1000 MBt/s  Diagnostics  Status indication LED no Installation   Pin assignment Configuration Mily used  Device protection (EN IEC 60529) IP20 Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1 kW Material group (IEC 60664-1) I Mechanical data   Material data   Ma		
ECLASS-10.1         27060307           ECLASS-11.0         27060307           ECLASS-12.0         27003037           ETIM-5.0         EC002599           customs tariff number         85444210           GTIN         40487849325           Packaging unit         1           Electrical data   Supply         Operating voltage DC max.         60 V           Operating voltage DC max.         1.5 A           Industrial communication         Transfer parameters         CAT5. Class D (ISO/IEC 11801:2002), (EN 50173-1)           Data transmission rate max.         1000 MBit/s           Data transmission rate max.         1000 MBit/s           Configuration         fully used           Degree of protection [Electrical         Degree of protection [Electrical           Degree of protection (EN IEC 60529)         IP20           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Relea surge voltage         1 kV           Machanical data   Material data         without           Mechanical data   Material data         without           Mechanical data   Material data         Mechanical data   Mounting data		
ECLASS-12.0         27660307           ETIM-5.0         EC002599           customs taff number         8544210           GTIN         4048873849326           Packaging unit         1           Electrical data [Supply         Operating voltage DC max.           Operating voltage DC max. (UL-listed)         30 V           Current operating per contact max.         1,5 A           Industrial communication         Industrial communication           Transfer parameters         CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)           Data transmission rate max.         1000 MBit/s           Diagnostice         Installation LED           Installation I Pin assignment         V           Configuration         fully used           Device protection [Electrical         Degree of protection (EN IEC 60829)           Pollution Degree         3           Rated suge voltage         1 kV           Material group (IEC 608641)         I           International data         Without           Contour for corrugated hose         without           Mechanical data [Material data         Without           Mechanical data [Mounting data         PA           Locking stechniques         Snap-in connector           Environme	ECLASS-10.1	
ECLASS-12.0         27660307           ETIM-5.0         EC002599           customs taff number         8544210           GTIN         4048873849326           Packaging unit         1           Electrical data [Supply         Operating voltage DC max.           Operating voltage DC max. (UL-listed)         30 V           Current operating per contact max.         1,5 A           Industrial communication         Industrial communication           Transfer parameters         CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)           Data transmission rate max.         1000 MBit/s           Diagnostice         Installation LED           Installation I Pin assignment         V           Configuration         fully used           Device protection [Electrical         Degree of protection (EN IEC 60829)           Pollution Degree         3           Rated suge voltage         1 kV           Material group (IEC 608641)         I           International data         Without           Contour for corrugated hose         without           Mechanical data [Material data         Without           Mechanical data [Mounting data         PA           Locking stechniques         Snap-in connector           Environme	ECLASS-11.1	
customs tariff number         85444210           GTIN         4048879849326           Packaging unit         1           Electrical data   Supply           Operating voltage DC max.         60 V           Operating voltage DC max.         1,5 A           Industrial communication           Transfer parameters         CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)           Data transmission rate max.         1000 MBit/s           Diagnostics           Status iniciation LED         no           Installation   Pin assignment           Configuration         fully used           Degree of protection [Electrical           Degree of protection (EN IEC 60529)         IP20           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1 kV           Material group (IEC 60664-1)         I           Mechanical data           Mechanical data   Material data           Mechanical data   Munting data           Locking material         PA           Mechanical data   Mounting data           Locking techniques	ECLASS-12.0	
CTIN         4048879949326           Packaig unit         1           Electrical data   Supply         60 V           Operating voltage DC max.         60 V           Operating voltage DC max. (UL-listed)         30 V           Current operating per contact max.         1,5 A           Industrial communication         Industrial communication           Transfer parameters         CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)           Data transmission rate max.         1000 MBit/s           Diagnostics         Status indication LED         no           Installation   Pin assignment         Installation   Pin assignment         Indication   Pin assignment           Configuration         fully used         P20           Additional condition protection degree         inserted, screwed           Pollution Degree         3         Reserved           Pollution Degree         3         Reserved           Methanical data         Without           Methanical data         Without           Mechanical data         Without           Mechanical data   Mounting data         PA           Locking material         PA           Mechanical data   Mounting data         Snap-in connector           Environmental characteristics   Climatic <td>ETIM-5.0</td> <td>EC002599</td>	ETIM-5.0	EC002599
Packaging unit         1           Electrical data   Supply         60 V           Operating voltage DC max.         60 V           Operating voltage DC max.         1,5 A           Industrial communication         Industrial communication           Transfer parameters         CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)           Data transmission rate max.         1000 MBit/s           Diagnostics         Industrial communication           Status indication LED         no           Installation   Pin assignment         Industrial communication           Device protection   Electrical         Installation   Pin assignment           Device protection   Electrical         Inserted, screwed           Pollution Depre         3           Rated surge voltage         1 kV           Material group (IEC 60664-1)         I           Mechanical data         Without           Mechanical data   Material data         Wechanical data   Material data           Mechanical data   Mounting data         VB           Locking material         PA           Mechanical data   Mounting data         25 °C           Operating temperature mix.         25 °C           Operating temperature max.         25 °C           Operating temperature max.	customs tariff number	85444210
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Industrial communication  Transfer parameters CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)  Data transmission rate max. 1000 MBit/s  Diagnostics  Status indication LED no Installation   Pin assignment  Configuration fluctrical  Degree of protection   Electrical  Degree of protection   EN IEC 60529) IP20  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1 kV  Material group (IEC 60664-1) I  Mechanical data  Meterial dousing without  Mechanical data   Material data  Material housing PUR  Mechanical data   Mounting data  Locking material  Locking material  Locking techniques Snap-in connector  Environmental characteristics   Climatic  Deparating temperature min. 25 °C  Additional condition temperature range depending on cable quality		1,5 A
Data transmission rate max. 1000 MBit/s  Diagnostics  Status indication LED no Installation   Pin assignment  Configuration fully used  Device protection   Electrical  Degree of protection (EN IEC 60529) IP20  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1 kV  Material group (IEC 60684-1) I KV  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Material housing PUR  Locking material PA  Mechanical data   Mounting data  Looking techniques Snap-in connector  Environmental characteristics   Climatic  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality		
Data transmission rate max. 1000 MBit/s  Diagnostics  Status indication LED no Installation   Pin assignment  Configuration fully used  Device protection   Electrical  Degree of protection (EN IEC 60529) IP20  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1 kV  Material group (IEC 60684-1) I KV  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Material housing PUR  Locking material PA  Mechanical data   Mounting data  Looking techniques Snap-in connector  Environmental characteristics   Climatic  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality	Transfer parameters	CAT5. Class D (ISO/IEC 11801:2002). (EN 50173-1)
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Configuration fully used  Pevice protection   Electrical  Degree of protection (EN IEC 60529)   IP20   Additional condition protection degree   inserted, screwed   Pollution Degree   3   Rated surge voltage   1 kV   Material group (IEC 60664-1)   I  Mechanical data  Contour for corrugated hose   without  Mechanical data   Material data  Material housing   PUR   Locking material   PA    Mechanical data   Mounting data  Looking techniques   Snap-in connector    Environmental characteristics   Climatic    Operating temperature min.		110
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Mechanical data Contour for corrugated hose without  Mechanical data   Material data  Material housing PUR Locking material PA  Mechanical data   Mounting data  Looking techniques Snap-in connector  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality	Rated surge voltage	1 kV
Contour for corrugated hose without  Mechanical data   Material data  Material housing PUR Locking material PA  Mechanical data   Mounting data  Looking techniques Snap-in connector  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality	Material group (IEC 60664-1)	
Material housing PUR Locking material PA  Mechanical data   Mounting data Locking material PA  Mechanical data   Mounting data Locking techniques Snap-in connector  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality	Mechanical data	
Material housing PUR Locking material PA  Mechanical data   Mounting data  Looking techniques Snap-in connector  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality	Contour for corrugated hose	without
Locking material PA  Mechanical data   Mounting data  Looking techniques Snap-in connector  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality	Mechanical data   Material data	
Locking material PA  Mechanical data   Mounting data  Looking techniques Snap-in connector  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality	Material housing	PUR
Mechanical data   Mounting data Looking techniques Snap-in connector  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality	<u> </u>	
Looking techniques  Snap-in connector  Environmental characteristics   Climatic  Operating temperature min.  -25 °C  Operating temperature max.  85 °C  Additional condition temperature range depending on cable quality		
Environmental characteristics   Climatic  Operating temperature min.  -25 °C  Operating temperature max.  85 °C  Additional condition temperature range depending on cable quality	Looking techniques	Snap-in connector
Operating temperature min.  -25 °C  Operating temperature max.  85 °C  Additional condition temperature range depending on cable quality		
Operating temperature max. 85 °C Additional condition temperature range depending on cable quality	•	-25 °C
Additional condition temperature range depending on cable quality	<u> </u>	
	<u> </u>	

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: 2024-06-23



## stay connected

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	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Installation   Cable	
wire arrangement	(orange-white, orange), (blue-white, blue), (brown-white, brown), (green-white, green)
Cable identification	S4W
Jacket Color	blue
Type of Certificate	cURus
Amount stranding	4
Stranding	2 wires twisted
Stranding (type 2)	4 Stranded joints twisted
Banding	Foil
wire arrangement	(orange-white, orange), (blue-white, blue), (brown-white, brown), (green-white, green)
Cable weigth	74,8 g/m
Material jacket	TPE
Freedom from ingredients (jacket)	lead-free, CFC-free
Outer-diameter (jacket)	7,6 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	HDPE
Amount wires	8
Outer diameter insulation	1,17 mm
Outer diameter tolerance core insulation	± 5 %
Ingredient freeness wire insulation	lead-free, CFC-free
Amount strands (wire)	7
Diameter of single wires	24 AWG
Conductor crosssection (wire)	24 AWG
Material conductor wire	copper stranded wire, tinned
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4 A
Electrical resistance line constant wire	59 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	3 kV @ 60 s
Electrical capacity line constant (wire - wire)	49000 pF/km
Power frequency withstand voltage (wire - jacket)	3 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   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 (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	1 Mio. @ 25 °C
No. of torsion cycles	3 Mio. 25 °C
Torsion stress	± 270 °/m