

## RJ45 male 45° up with cable shielded

PUR 1x4xAWG22 shielded rd UL/CSA+drag ch. 5m

**Ethernet CAT5e** Male 45° on top RJ45, 4-pole shielded

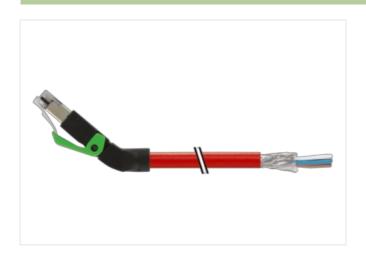
Further cable lengths on request.

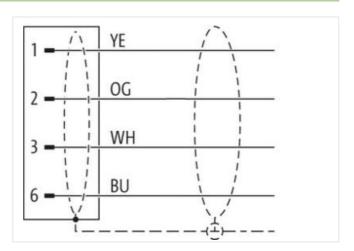
Plastic housings with good resistance against chemicals and oils.

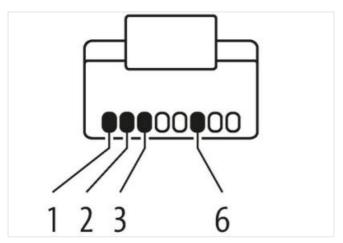
The resistance to aggressive media should be individually tested for your application. Further details on request.

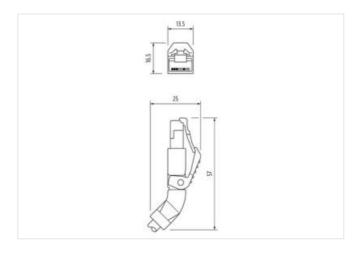
## **Link to Product**

## Illustration









Product may differ from Image















Cable length

5 m

Side 1



stay connected

ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-11.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM 5.0         EC002599           customs sentfl number         8544210           GTIN         404887940075           Packaging unit         1           Electrical data   Suppty         Operating voltage DC max.           Operating voltage DC max.         60 V           Operating voltage DC max.         1,5 A           Industrial communication         1           Transfer parameters         CATS, Class D (ISO/IEC 11801-2002), (EN 50173-1)           Data transmission rate max.         100 MB/Ws           Industrial communication   Electrical         100 MB/Ws           Device protection   Electrical	Family construction form	RJ45
ECLASS-8.1 27060907 ECLASS-9.0 27060907 ECLASS-9.0 27060907 ECLASS-9.0 27060907 ECLASS-9.0 27060907 ECLASS-1.1 27060907 ECLAST-1.1 27060907 ECLAST	Commercial data	
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ECA ASS 7.0         27060307           ECA ASS 4.0         27060307           ECA ASS 5.0         27060307           ECA ASS 1.0.1         27060307           ECA ASS 1.1.1         27060307           ECA ASS 1.2.0         27060307           ECA ASS 1.2.0         27060307           ECA ASS 1.2.0         85444210           GTIN         4048879404075           Perkaging 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           Transfer parameters         CATS, Class D ((SO/IEC 11801 2002), (EN 50173-1)           Data transmission rate max.         100 MBWs           Industrial communication   Ethernet functionality           Upubro         Pull duplox           Device protection   ED Ectrical         Pull duplox           Device protection   ED Ectrical         1           Degree of protection   ED Ectrical         1		
ECLASS 9.0         27660907           ECLASS 1.1         27660907           ECLASS 1.1.1         27660907           ECLASS 1.2.0         27060907           ECLASS 9.2.0         ECLASS 9.2.0           customs tarff number         85444210           GTIN         4948879404075           Packaging unit         1           Electrical data   Supply           Operating voltage DC max.         60 V           Operating voltage DC max. (U. Islaed)         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.         10 0M Mb/s           Industrial communication   Ethernet transfer parameters         Full duplex           Petrice protection   EEL Ectrical         1           Degree of protection   EEL Ectrical         1           Register of protection protection degree         1           Pollution Degree         3           Related surge voltage         1           Malerial group (IEC 60664-1)         1           Machanical data         Willout           Mochanical data   Material data   Material data   Material data   Material data   Material data   Material	ECLASS-7.0	
ECLASS 10.1         27660307           ECLASS 11.1         27660307           ETIM-S 0         EC002599           cuctions failf number         85444210           GTIN         4048679404075           Packaging unit         1           Electrical data   Supply         1           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 (ISO/IEC 118012002), (EN 50173-1)           Data transmission rate max.         100 MB/s           Industrial communication   Electrical         100 MB/s           Device protection   Electrical         100 MB/s	ECLASS-8.0	27060307
ECLASS 11.1         27060307           ECLASS 12.0         27060307           ECHASS 12.0         27060307           ETIM-5.0         ECOCE599           customs farlf number         85444210           GTIN         4048678404075           Packaging unit         1           Electrical data   Supply         V           Operating voltage DC max.         80 V           Operating voltage DC max.         1,5 A           Industrial communication         Industrial communication           Transfer parameters         CATS. Class D (ISO/IEC 11801-2002), (EN 50173-1)           Data transmission rate max.         100 MBit/s           Industrial communication   Etherrical transmission rate max.         100 MBit/s           Device protection   Electrical         Industrial communication   Etherrical transmission rate max.           Device protection   Electrical         Degree of protection (EN IEC 80529)           Powice protection   Electrical         Inserted, screwed           Pollution Degree         3           Raded surge voltage         1 kV           Material process (group (IEC 80624))         1           Mechanical data         Mechanical data           Mechanical data         Material housing         P A           Environmental	ECLASS-9.0	27060307
ECLASS-12.0         27960807           ETIM-S.0         EC002599           Usustons tariff number         85444210           GTIN         4048878404075           Packaging unit         1           Electrical data   Supply         Packaging voltage DC max.           Operating voltage DC max.         60 V           Operating per contact max.         1,5 A           Industrial communication         Transfer parameters           Transfer parameters         CATS, Class D (ISO/IEC 11801-2002), (EN 50173-1)           Data transmission rate max.         100 MBVs           Industrial communication   Ethernet functionality         Full tuplex           Degree of protection (Electrical         Degree of protection (Electrical           Degree of protection (EN IEC 60529)         IP20           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1 kW           Material group (IEC 606641)         I           Mechanical data         Material data           Material place in data         PA           Environmental characteristics   Climatic         Operating emperature max.         85 °C           Additional condition temperature range         depending on cable quality	ECLASS-10.1	27060307
ETIM 5.0         EC002599           customs rainf number         85444210           GTIN         404873404075           Packaging unit         1           Electrical data   Supply         Coparating voitage DC max.         60 V           Operating voitage DC max.         (LU-listed)         30 V           Current operating per contact max.         1,5 A         1,5 A           Undustrial communication         V         V           Transfer parameters         CATS, Class D (ISO/IEC 11801-2002), (EN 50173-1)         Date transmission rate max.         100 MB/Us           Industrial communication   Ethernet unctival         Industrial communication   Ethernet unctival         Industrial communication   Ethernet unctival           Delate transmission rate max.         100 MB/Us         Industrial communication   Ethernet unctival           Degree of protection   Ethertical         Industrial communication   Ethernet unctival           Degree of protection   Ethernet unctival         Inserted, screwed           Pollution Degree         3           Rated surge voltage         1 kV           Machanical data         Without           Machanical data   Material data   Material data   Material housing         PUR           Locking material         PA           Environmental characteristics   Climatic	ECLASS-11.1	27060307
customs tarff number         85444210           GTIN         4048879404075           Packaging unit         I           Electrical data   Supply           Operating voltage DC max.         60 V           Current operating per contact max.         1,5 A           Industrial communication         Transfer parameters           Data transmission rate max.         100 MBits           Industrial communication   Ethernet functionality         July (applex)           Industrial communication   Ethernet functionality         July (applex)           Industrial communication   Ethernet functionality         July (applex)           Device protection   Electrical         Full duplex           Device protection (RN IEC 60829)         IP20           Additional condition probaction dignee         Inserted, screwed           Pollution Degree         3           Rated surge voltage         1 kV           Meternalization         Webranical data           Mechanical data   Material data         Webranical data   Material data           Mechanical data   Material data   Material data         PA           Environmental characteristics   Climatic         Coperating temperature mix.         25 °C           Operating temperature max.         25 °C           Operating temperature m	ECLASS-12.0	27060307
GTIN         4048879404075           Packagin girit         1           Electrical data   Suppty         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.         100 MBit/s           Industrial communication   Ethernet functionality         Full duplex           Degree of protection   Ethertet functionality         Full duplex           Degree of protection   Electrical         Full duplex           Degree of protection (EN IEC 60829)         IP20           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1 kV           Material group (IEC 60684-1)         I           Mechanical data         Without           Mechanical data   Material data         Without           Material pousing         PA           Corporating temperature min.         25 °C           Operating temperature min.         25 °C           Operating temperature min.         25 °C           Operating temperature min	ETIM-5.0	EC002599
Fackaging unit   1  Electrical data   Supply	customs tariff number	85444210
Peritary voltage DC max.   60 V	GTIN	4048879404075
Operating voltage DC max. (UL-listed)         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.         100 MBI/6           Industrial communication   Ethernet unctornal industrial i	Packaging unit	1
Operating voltage DC max. (UL-listed) 30 V Current operating per contact max. 1,5 A Industrial communication  Transfer parameters CATS, Class D (ISO/IEC 11801:2002), (EN 50173-1) Data transmission rate max. 100 MBIb's  Industrial communication   Ethernet functionality duplex Full duplex  Degree of protection (EN IEC 60529) IP20 Additional condition protection degree inserted, screwed Pollution Degree 3 AERIOS 400 MBIB 1	Electrical data   Supply	
Operating voltage DC max. (UL-listed) 30 V Current operating per contact max. 1,5 A Industrial communication  Transfer parameters CATS, Class D (ISO/IEC 11801:2002), (EN 50173-1) Data transmission rate max. 100 MBIb's  Industrial communication   Ethernet functionality duplex Full duplex  Degree of protection (EN IEC 60529) IP20 Additional condition protection degree inserted, screwed Pollution Degree 3 AERIOS 400 MBIB 1	Operating voltage DC max.	60 V
Current operating per contact max. 1,5 A  Industrial communication  Transfer parameters CATS, Class D (ISO/IEC 11801:2002), (EN 50173-1)  Data transmission rate max. 100 MBIt/s  Industrial communication   Ethernet functionality  duplex Full duplex  Degree of protection   Electrical  Degree of protection (EN IEC 60529) P20  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1 kV  Material group (IEC 6064-1) I  Mechanical data  Contour for corrugated hose without Mechanical data  Mechanical data   Material data  Material housing PUR  Locking material PAA  Environmental characteristics   Climatic  Operating temperature min. 25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending frozes.  Imistallation   Cable  wire arrangement white, yellow, blue, orange  Cable identification 392  Jacked Color red  Stranding 4 wires arronged.	Operating voltage DC max. (UL-listed)	
Industrial communication           Transfer parameters         CATS, Class D (ISO/IEC 11801:2002), (EN 50173-1)           Data transmission rate max.         100 MB/Us           Industrial communication   Etherret tunctrommunication	Current operating per contact max.	1,5 A
Data transmission rate max. 100 MBit/s  Industrial communication   Ethernet functivality  duplex Full duplex  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 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Material housing PUR  Locking material PA  Environmental characteristics   Climatic  Operating temperature min. 25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable  wire arrangement white, yellow, blue, orange  Cable identification 792  Jacket Color red  Type of Certificate CURus  Amount strading 4 wires around Core filler twisted	Industrial communication	
Data transmission rate max. 100 MBit/s  Industrial communication   Ethernet functivality  duplex Full duplex  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 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Material housing PUR  Locking material PA  Environmental characteristics   Climatic  Operating temperature min. 25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable  wire arrangement white, yellow, blue, orange  Cable identification 792  Jacket Color red  Type of Certificate CURus  Amount strading 4 wires around Core filler twisted	Transfer parameters	CATS Class D (ISO/IEC 11801:2002) (EN 50173-1)
Industrial communication   Ethernet functionality  duplex Full duplex  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 60684-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Material housing PUR  Locking material PA  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature ange defining 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.  Alternion: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable  wire arrangement white, yellow, blue, orange  Cable identification 792  Jacket Color red  Type of Certificate URIus  Amount strading 1 stranding 4 wires around Core filler twisted	<u> </u>	
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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  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Installation   Cable wite, as the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable wite, as the permissible dending forces of the permissible dending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable   Cab	Device protection   Electrical	
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Rated surge voltage 1 kV  Material group (IEC 60664-1) 1  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Material housing PUR  Locking material PA  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius detention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable    wire arrangement white, yellow, blue, orange    Cable identification 792  Jacket Color red    Type of Certificate cuRus    Amount stranding 1  Stranding 4 wires around Core filler twisted	Additional condition protection degree	inserted, screwed
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Mechanical data   Material data   PA    Material housing PA   PA    Environmental characteristics   Climatic   PA    Environmental characteristics   Climatic   PA    Environmental characteristics   Climatic   PA    Operating temperature min.	Rated surge voltage	1 kV
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wire arrangement white, yellow, blue, orange  Cable identification 792  Jacket Color red  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires around Core filler twisted	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.
Cable identification 792  Jacket Color red  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires around Core filler twisted	Installation   Cable	
Cable identification 792  Jacket Color red  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires around Core filler twisted	wire arrangement	white, yellow, blue, orange
Jacket Color     red       Type of Certificate     cURus       Amount stranding     1       Stranding     4 wires around Core filler twisted	Cable identification	
Type of Certificate cURus  Amount stranding 1  Stranding 4 wires around Core filler twisted	Jacket Color	
Amount stranding 1 Stranding 4 wires around Core filler twisted	Type of Certificate	cURus
Stranding 4 wires around Core filler twisted	Amount stranding	1
	Stranding	4 wires around Core filler twisted



stay connected

Cable shielding (coverage)	85 %
Banding	Fleece, Foil
Filler	yes
wire arrangement	white, yellow, blue, orange
Cable weigth	69,3 g/m
Material jacket	PUR
Shore hardness jacket	89 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	6,7 mm
Tolerance outer diameter (sheath)	± 5 %
Material inner jacket	FRNC
Color (inner jacket)	natur
Material wire insulation	PE
Amount wires	4
Outer diameter insulation	1,4 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	65 Shore D
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire)	7
Diameter of single wires	22 AWG
Conductor crosssection (wire)	22 AWG
Material conductor wire	Stranded copper wire, bare
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,8 A
Characteristic impedance	100 Ω ± 15 % @ 100 MHz
Electrical resistance line constant wire	55 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Electrical capacity line constant (wire - wire)	50000 pF/km
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	2 kV @ 60 s
Isolation resistance	5000 MΩ × km
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
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 (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter
No. of bending cycles (C-track)	3 Mio.
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 180 °/m