

stay connected

RJ45 male 0° / RJ45 male 0° shielded

PUR 1x4xAWG22 shielded bk UL/CSA+drag ch. 1.4m

Ethernet CAT5 Male straight - male straight RJ45 - RJ45, 4-pole shielded

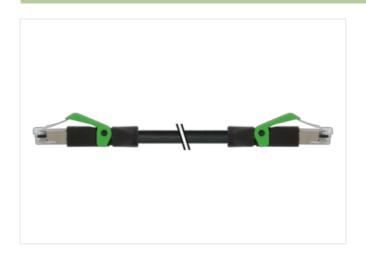
Further cable lengths on request.

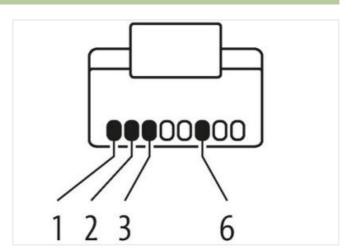
Plastic housings with good resistance against chemicals and oils.

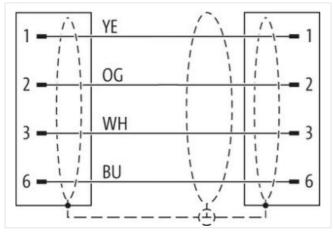
The resistance to aggressive media should be individually tested for your application. Further details on request.

Link to Product

Illustration









Product may differ from Image















Cable length

1,4 m

Side 1

Mounting method

inserted



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Family construction form	RJ45
No. of poles	4
Commercial data	
ECLASS-6.0	27061801
ECLASS-6.1	27060307
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	4048879690959
Packaging unit	1
Electrical data Supply	
Operating voltage DC max.	60 V
Current operating per contact max.	1,5 A
Industrial communication	
	OATE- Olse- D (IOO/IEO 11001-0000) (EN E0170 1)
Transfer parameters Data transmission rate max.	CAT5e, Class D (ISO/IEC 11801:2002), (EN 50173-1)
	100 MBit/s
Industrial communication Ethernet func	tionality
duplex	Full duplex
Diagnostics	
Status indication LED	no
Device protection Electrical	
Degree of protection (EN IEC 60529)	IP20
Pollution Degree	3
Rated surge voltage	1 kV
Material group (IEC 60664-1)	
Mechanical data	
	without
Contour for corrugated hose	without
Mechanical data Material data	
Material housing	PUR
_ocking material	PA
Mechanical data Mounting data	
_ooking 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
Important installation notes	
	Port of the control o
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Note on bending radius	endangered by excessive bending forces.
Installation Cable	
wire arrangement	white, yellow, blue, orange
Cable identification	851
Cable identification Jacket Color Type of Certificate	black cURus

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: 2024-06-26



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Standarding 4 wires around Core filler twisted	Amount stranding	1
Cable shielding (type) copper braid, tinned Cable shielding (coverage) 85 % Barding Fleece, Foll Filler yes via arrangement white, yellow, blue, orange Cable weigh 83 3 pm Malerial jacket PUP Shore hardness jacket 85 Shore A Freudern from from form of greddents (jacket) 6.7 mm Color (inner jacket) 6.7 mm Tolerance stater diameter (skethat) 7.8 % Material inner jacket FNG Color (inner jacket) 7.8 % Color (inner jacket) 7.4 mm Culter diameter insulation 7.8 mm Culter diameter insulation 4.5 mm Ingredient freeness wire insulation 5.5 mm Romant started (wire) 7 Danneter or single wires 2.2 MVG Material conductor wire Starnded copper wire, bare Nominal voltage wires		
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Bandring		
Filter		
wire arrangement white, yellow, blue, crange Cable weight 69.3 gm Material jacket PUR Shore harriness jacket 89 Shore A Freedom from predents (gacker) 6,7 mm Tolerance outer diameter (gacker) 6,7 mm Tolerance outer diameter (gacker) 5 % Material inner jacket) 15 % Color (mer jacket) natur Material wire insulation PE Amount wires 4 Outer diameter insulation 1,4 mm Outer diameter insulation 5 % Shore hardness wire insulation 65 Shore D Ingredent freeness wire insulation 65 Shore D Ingredent freeness wire insulation 22 AWG Conductor crosssection (wire) 22 AWG Conductor crosssection (wire) 22 AWG Conductor crosssection (wire) 22 AWG Nominal voltage AC max. 300 V Current load capacity (standard) 100 0 ± 15 % 0 100 MHz Electrical capacity (init, wire) 4,8 mm Characteristic impedance 100 0 ± 15 % 0 100 MHz		·
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Tolerance outer diameter (sheath)		
Material inner jacket		· · · · · · · · · · · · · · · · · · ·
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jacket)Z k V @ 60 sAC withstand voltage (wire - shield)2 k V @ 60 sIsolation resistance5000 MΩ x kmMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)12 x Outer diameterNo. of bending cycles (C-track)3 Mio.Traversing distance (C-track)5 m @ 25 °CTravel speed (C-track)3,3 m/s @ 25 °CNo. of torsion cycles1 Mio.	Electrical capacity line constant (wire - wire)	50000 pF/km
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 UV resistance DIN EN ISO 4892-2 A 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 forsion cycles 1 Mio.		2 kV @ 60 s
Min. operating temperature (static) Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) Operating temperature max. (dynamic) 70 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance 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.	AC withstand voltage (wire - shield)	2 kV @ 60 s
Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C UV resistance DIN EN ISO 4892-2 A 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.	Isolation resistance	$5000 \text{ M}\Omega \times \text{km}$
Operating temperature min. (dynamic) Operating temperature max. (dynamic) To °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 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.	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) To °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 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.	Max. operating temperature (fixed)	80 °C
UV resistance DIN EN ISO 4892-2 A 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.	Operating temperature min. (dynamic)	-30 °C
Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical 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) Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio.	Operating temperature max. (dynamic)	70 °C
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.	UV resistance	DIN EN ISO 4892-2 A
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.	Flame resistance	UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2
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.	chemical resistance	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.	Gasoline resistance	Good, application-related testing
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.	Oil resistance	DIN EN 60811-404 Good, application-related testing
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.	Bending radius (fixed)	5 x Outer diameter
Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio.	Bending radius (dynamic)	12 x Outer diameter
Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio.	No. of bending cycles (C-track)	3 Mio.
No. of torsion cycles 1 Mio.	Traversing distance (C-track)	5 m @ 25 °C
No. of torsion cycles 1 Mio.	Travel speed (C-track)	3,3 m/s @ 25 °C
Torsion stress ± 180 °/m	No. of torsion cycles	1 Mio.
	Torsion stress	± 180 °/m