

stay connected

RJ45 male 0° / RJ45 male 0° shielded

PUR 1x4xAWG22 shielded gn UL/CSA+torsion 3.5m

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

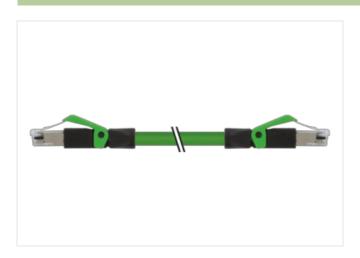
Further cable lengths on request.

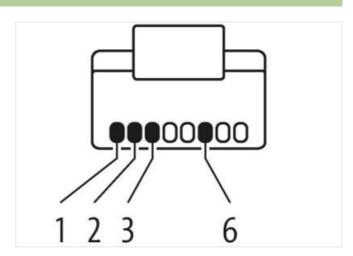
Plastic housings with good resistance against chemicals and oils.

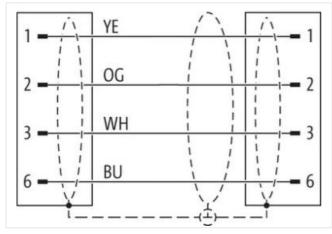
The resistance to aggressive media should be individually tested for your application. Further details on request.

Link to Product

Illustration









Product may differ from Image















Cable length

3,5 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	4048879746793
Packaging unit	1
Electrical data Supply	
Operating voltage DC max.	60 V
Current operating per contact max.	1,5 A
Industrial communication	
Transfer parameters	CAT5e, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Data transmission rate max.	100 MBit/s
Industrial communication Ethernet fund	·
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	
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.	-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	
·	white velley blue grange
wire arrangement	white, yellow, blue, orange 793
Cable identification Jacket Color	
Type of Certificate	green
rype or certificate	cortus

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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Stranding 4 wires around Filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 85 % Banding Fleece, Foil Filler yes wire arrangement white, yellow, blue, orange Cable weigh 69,3 g/m Material jacket PUR Shore hardness jacket 90 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6,6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PE Amount wires 4 Outer diameter insulation 1,55 mm Outer diameter tolerance core insulation 55 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire copper stranded wire, tinned Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Characteristic impedance 100 Ω ± 15 % MHz Electrical resistance line constant wire 59,4 kN/km @ 20 °C ACW withstand voltage (wire - wire) 52000 pF/km Power frequency withstand voltage (wire - jacket) Power frequency withstand voltage (wire - jacket)	Amount stranding	1
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 90 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (gacket) 6,6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PE Amount wires 4 Outer diameter insulation ± 5 % Shore hardness wire insulation 65 Shore D User diameter tolerance core insulation ± 5 % Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation 19 9 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Conductor vire copper stranded wire, tinned Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard)	Stranding	4 wires around Filler twisted
Banding Fleece, Foil Filler yes wire arrangement white, yellow, blue, orange Cable weigth 69.3 g/m Material jacket PUR Shore hardness jacket 90 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6,6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PE Amount wires 4 Outer diameter insulation 1,55 mm Outer diameter lolerance core insulation ± 5 % Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 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 4,8 A Characteristic impedance	Cable shielding (type)	copper braid, tinned
Filler yes wire arrangement white, yellow, blue, orange Cable weigth 69,3 g/m Material jacket PUR Shore hardness jacket PUR Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6,6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PE Amount wires 4 Outer diameter insulation 1,55 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) 19 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 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 4,8 A Characteristic impedance 100 Ω ± 15 % MHz Electrical resistance line constant wire 520 per fixm Electrical capacity line constant (wire - wire) 5200 pF/km Power frequency withstand voltage (wire - wire) 5200 pF/km Power frequency withstand voltage (wire - wire) 52000 pF/km Power frequency withstand voltage (wire - wire) 52000 pF/km Power frequency withstand voltage (wire - wire) 52000 pF/km	Cable shielding (coverage)	85 %
wire arrangement white, yellow, blue, orange Cable weigth 69,3 g/m Material jacket PUR Shore hardness jacket 90 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6,6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PE Amount wires 4 Outer diameter insulation 1,55 mm Outer diameter insulation 55 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 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 4,8 A Characteristic impedance 110 Ω ± 15 % MHz Electrical resistance line constant wire 59,4 Ω/km @ 20 °C AC wilhstand voltage (wire - wire) 52000 pF/km Power frequency withstand voltage (wire -	Banding	Fleece, Foil
Cable weigth 69,3 g/m Material jacket PUR Shore hardness jacket 90 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6,6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PE Amount wires 4 Outer diameter insulation 1,55 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) 19 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 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 4,8 A Characteristic impedance 100 Ω± 15 % MHz Electrical resistance line constant wire 59,4 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 52000 pF/km Power frequency withstand voltage (wire - wire) 2 kV @ 60 s	Filler	yes
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Shore hardness jacket 90 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6,6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PE Amount wires 4 Outer diameter lolerance core insulation ± 5 % Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 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 imin. wire 4,8 A Characteristic impedance 100 Ω± 15% MHz Electrical resistance line constant wire 2,8 V @ 60 s Electrical capacity line constant (wire - wire) 2,8 V @ 60 s Power frequency withstand voltage (wire - wire) 2,8 V @ 60 s	Cable weigth	69,3 g/m
Freedom from ingredients (jacket) Outer-diameter (jacket) Outer-diameter (jacket) Outer-diameter (sheath) Establement (sheath) Description of the properties of the prop	Material jacket	PUR
Outer-diameter (jacket) 6,6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PE Amount wires 4 Outer diameter insulation 1,55 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) 19 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 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 4,8 A Characteristic impedance 100 Ω ± 15 % MHz Electrical resistance line constant wire 59,4 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 2 kV @ 60 s	Shore hardness jacket	90 Shore A
Tolerance outer diameter (sheath) $\pm 5 \%$ Material wire insulation PE Amount wires 4 Outer diameter insulation 1,55 mm Outer diameter tolerance core insulation $\pm 5 \%$ Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 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 4,8 A Characteristic impedance 100 $\Omega \pm 15 \%$ MHz Electrical resistance line constant wire 59,4 Ω /km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 52000 pF/km Power frequency withstand voltage (wire -	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PE Amount wires 4 Outer diameter insulation 1,55 mm Outer diameter tolerance core insulation $\pm 5 \%$ Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 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 4,8 A Characteristic impedance $100 \Omega \pm 15 \%$ MHz Electrical resistance line constant wire 59,4 Ω /km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 52000 pF/km Power frequency withstand voltage (wire - 2 kV @ 60 s	Outer-diameter (jacket)	6,6 mm
Amount wires Outer diameter insulation 1,55 mm Outer diameter tolerance core insulation 5 % Shore hardness wire insulation Ingredient freeness wire insu	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation 1,55 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) 19 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 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 4,8 A Characteristic impedance 100 Ω ± 15 % MHz Electrical resistance line constant wire 59,4 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 52000 pF/km Power frequency withstand voltage (wire - 2 kV @ 60 s	Material wire insulation	PE
Outer diameter tolerance core insulation $\pm 5\%$ Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 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 4,8 A Characteristic impedance $100 \Omega \pm 15\%$ MHz Electrical resistance line constant wire 59.4Ω /km @ 20 °C AC withstand voltage (wire - wire) $2 kV @ 60 s$ Electrical capacity line constant (wire - wire) $2 kV @ 60 s$	Amount wires	4
Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 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 4,8 A Characteristic impedance 100 Ω ± 15 % MHz Electrical resistance line constant wire 59,4 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 52000 pF/km Power frequency withstand voltage (wire - 2 kV @ 60 s	Outer diameter insulation	1,55 mm
Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire copper stranded wire, tinned Nominal voltage AC max. 300 V Current load capacity (standard) Current load capacity min. wire 4,8 A Characteristic impedance 100 Ω ± 15 % MHz Electrical resistance line constant wire 59,4 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) Power frequency withstand voltage (wire -	Outer diameter tolerance core insulation	± 5 %
Amount strands (wire) 19 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 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 4,8 A Characteristic impedance 100 Ω ± 15 % MHz Electrical resistance line constant wire 59,4 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 52000 pF/km Power frequency withstand voltage (wire - 2 kV @ 60 s	Shore hardness wire insulation	65 Shore D
Diameter of single wires 22 AWG Conductor crosssection (wire) 22 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 4,8 A Characteristic impedance 100 Ω ± 15 % MHz Electrical resistance line constant wire 59,4 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 52000 pF/km Power frequency withstand voltage (wire - 2 kV @ 60 s	Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Conductor crosssection (wire) Material conductor wire copper stranded wire, tinned Nominal voltage AC max. 300 V Current load capacity (standard) Current load capacity min. wire 4,8 A Characteristic impedance 100 \Omega ± 15 % MHz Electrical resistance line constant wire 59,4 \Omega/km @ 20 °C AC withstand voltage (wire - wire) Electrical capacity line constant (wire - wire) Power frequency withstand voltage (wire -	Amount strands (wire)	19
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 4,8 A Characteristic impedance $100 \Omega \pm 15 \% \text{ MHz}$ Electrical resistance line constant wire $59,4 \Omega/\text{km} @ 20 \degree \text{C}$ AC withstand voltage (wire - wire) $2 \text{ kV} @ 60 \text{ s}$ Electrical capacity line constant (wire - wire) $2 \text{ kV} @ 60 \text{ s}$ Power frequency withstand voltage (wire - $2 \text{ kV} @ 60 \text{ s}$	Diameter of single wires	22 AWG
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 % MHz Electrical resistance line constant wire 59,4 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 52000 pF/km Power frequency withstand voltage (wire - 2 kV @ 60 s	Conductor crosssection (wire)	22 AWG
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance $100 \Omega \pm 15 \% \text{ MHz}$ Electrical resistance line constant wire $59,4 \Omega/\text{km} @ 20 \degree \text{C}$ AC withstand voltage (wire - wire) $2 \text{ kV} @ 60 \text{ s}$ Electrical capacity line constant (wire - wire) 52000 pF/km Power frequency withstand voltage (wire - $2 \text{ kV} @ 60 \text{ s}$	Material conductor wire	copper stranded wire, tinned
Current load capacity min. wire 4,8 A Characteristic impedance $100 \Omega \pm 15 \% \text{ MHz}$ Electrical resistance line constant wire $59,4 \Omega/\text{km} @ 20 \degree \text{C}$ AC withstand voltage (wire - wire) $2 \text{ kV} @ 60 \text{ s}$ Electrical capacity line constant (wire - wire) 52000 pF/km Power frequency withstand voltage (wire - $2 \text{ kV} @ 60 \text{ s}$	Nominal voltage AC max.	300 V
Characteristic impedance $100 \Omega \pm 15 \% \text{MHz}$ Electrical resistance line constant wire $59.4 \Omega / \text{km} \oplus 20 ^{\circ}\text{C}$ AC withstand voltage (wire - wire) $2 \text{kV} \oplus 60 \text{s}$ Electrical capacity line constant (wire - wire) 52000pF/km Power frequency withstand voltage (wire - $2 \text{kV} \oplus 60 \text{s}$	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire 59,4 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 52000 pF/km Power frequency withstand voltage (wire - 2 kV @ 60 s	Current load capacity min. wire	4,8 A
AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 52000 pF/km Power frequency withstand voltage (wire - 2 kV @ 60 s	Characteristic impedance	100 Ω ± 15 % MHz
Electrical capacity line constant (wire - wire) 52000 pF/km Power frequency withstand voltage (wire - 2 kV @ 60 s	Electrical resistance line constant wire	59,4 Ω/km @ 20 °C
Power frequency withstand voltage (wire -	AC withstand voltage (wire - wire)	2 kV @ 60 s
	Electrical capacity line constant (wire - wire)	52000 pF/km
javivi,	Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
AC withstand voltage (wire - shield) 2 kV @ 60 s	AC withstand voltage (wire - shield)	2 kV @ 60 s
Min. operating temperature (static) -40 °C	Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed) 80 °C	Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic) -20 °C	Operating temperature min. (dynamic)	-20 °C
Operating temperature max. (dynamic) 60 °C	Operating temperature max. (dynamic)	60 °C
Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2	Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
chemical resistance Good, application-related testing	chemical resistance	Good, application-related testing
Gasoline resistance Good, application-related testing	Gasoline resistance	Good, application-related testing
Oil resistance Good, application-related testing DIN EN 60811-404	Oil resistance	Good, application-related testing DIN EN 60811-404
Bending radius (fixed) 8 x Outer diameter	Bending radius (fixed)	8 x Outer diameter
Bending radius (dynamic) 12 x Outer diameter	Bending radius (dynamic)	12 x Outer diameter
No. of torsion cycles 4 Mio.	No. of torsion cycles	4 Mio.
Torsion stress ± 180 °/m	Torsion stress	± 180 °/m