

RJ45 Push Pull male 0°/ RJ45 male 0° shielded AIDA

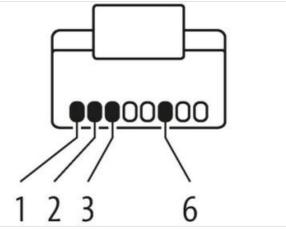
PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 45m

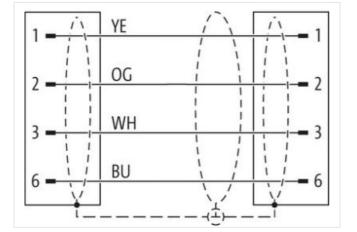
Product fulfills requirements according to UN/ECE R118 Ethernet CAT5 Male straight – male straight RJ45 – RJ45PP, 4-pole shielded Push Pull Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

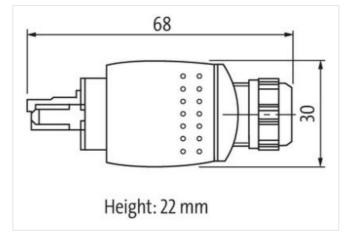
Link to Product

Illustration



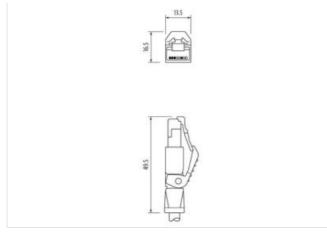






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Product may differ from Image



Side 1 Mounting method inserted Family construction form RJ45 Degree of protection (EN IEC 60529) IP20 Side 2	Cable length	45 m	
Family construction form RJ45 Degree of protection (EN IEC 60529) IP20 Side 2	Side 1		
Degree of protection (EN IEC 60529) IP20 Side 2	Mounting method	inserted	
Side 2 Mounting method inserted Family construction form RJ45 Degree of protection (EN IEC 60529) IP65, IP67 Commercial data ECLASS-6.1 27060307 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-8.0 ECLASS-9.0 ECLASS-9.0 ECLASS-1.1 27060307 ECLASS-1.1 ECLASS-1.1 ECLASS-1.1 ECLASS-1.1 ECLASS-1.1 ECLASS-1.2	Family construction form	RJ45	
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Industrial communication Transfer parameters CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1) Data transmission rate max. 100 MBit/s Industrial communication Ethernet function Eth	Operating voltage DC max.	60 V	
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Data transmission rate max. 100 MBit/s Industrial communication Ethernet functionality duplex Full duplex Diagnostics Status indication LED	Industrial communication		
Industrial communication Ethernet functionality duplex Full duplex Diagnostics Status indication LED no	Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)	
duplex Full duplex Diagnostics Status indication LED no	Data transmission rate max.	100 MBit/s	
Diagnostics Status indication LED	Industrial communication Ethernet functionality		
Status indication LED no	duplex	Full duplex	
	Diagnostics		
Device protection Electrical	Status indication LED	no	

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Pollution Degree	3
Rated surge voltage	1 kV
Material group (IEC 60664-1)	Ι
Mechanical data	
Contour for corrugated hose	without
Mechanical data Material data	
Coating locking	Nickeled
Material housing	PUR
Locking material	Zinc die-casting
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	
wire arrangement	white, yellow, blue, orange
Cable identification	796
Jacket Color	green
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires around Core filler twisted
Cable shielding (type)	copper braid, tinned
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

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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)	0° 08
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
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. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	1 Mio. 25 °C
Torsion stress	± 180 °/m

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