

M12 male 0° D-cod. / RJ45 male 0° shielded

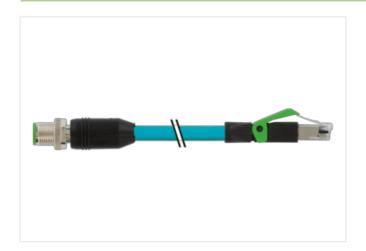
TPE 2x2x24AWG SF/UTP CAT5e bu UL/CSA. CM 10m

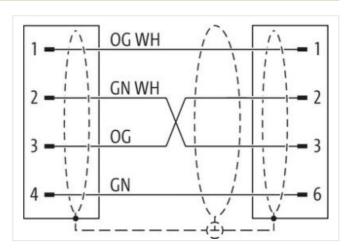
Ethernet CAT5
Further cable lengths on request.
Male straight – male straight

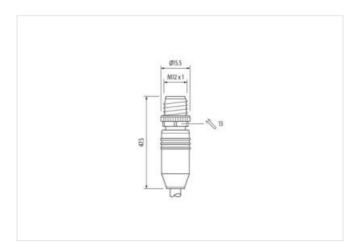
M12 – RJ45, 4-pole D-coded shielded 8-pole partly used USA without cable sleeves Cable is approved for 600 V

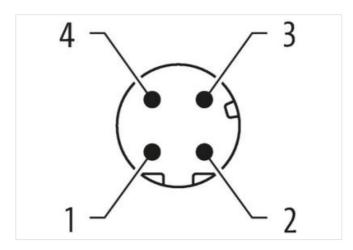
Link to Product

Illustration



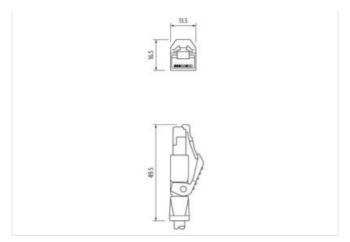


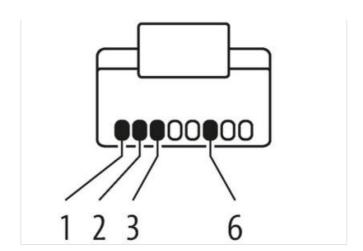






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Product may differ from Image













Cable length	10 m
Side 1	
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Cable outlet	straight
Coding	D
No. of poles	4
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67
Side 2	
Mounting method	pluggable
Family construction form	RJ45
Cable outlet	straight
No. of poles	4
Degree of protection (EN IEC 60529)	IP20
Commercial data	
ECLASS-6.0	27061801
ECLASS-7.0	27061801
ECLASS-8.0	27061801
ECLASS-9.0	27061801
ECLASS-10.1	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ETIM-5.0	EC002599
customs tariff number	85444290
GTIN	4048879619745
Packaging unit	1
Electrical data Supply	
Operating voltage DC max.	60 V
Current operating per contact max.	1,5 A
Industrial communication	

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: 2024-05-21



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industrial communication Ethemet functionality duplex Pult duplex Provice protection Electrical Provice provide Electrical Provice provide Electrical Provice provide Electrical Electrical provide Electrical Ele	Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
	Data transmission rate max.	100 MBit/s
Polution Degree 3 Raided surge voltage 1kW Material group (IEC 90984-1) 1 Environmental characteristics Climate Operating temperature min25 °C Operating temperature min	Industrial communication Ethernet fund	ctionality
Pollution Degree 3 Rated surge voltage 1 kV Markerial group (IEE 60684-1) 1 Environmental characteristics Climatic 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 Attentions: Observe the permissible bending radii when laying cables, as the IP protection class can be endongened by excessive bending factors. Conformity Product standard DIN EN 61076-2-101 (M12) Installation (Cable Universal and Cable identification (Cable Universal Cable Individual (Cable Individual Cable Individual Cable Individual (Cable Individual Cable Individual Cable Individual (Cable Individual Cable Individual Cable Individual Cable Individual Cable Individual (Cable Individual Cable Individual Cable Individual Cable Individual Cable Individual (Cable Individual Cable Individual Cable Individual Cable Individual Cable Individual Cable Individual Cable Individual (Cable Individual Cable In	duplex	Full duplex
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Material wire insulation HDPE Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ±5 % Shore hardness wire insulation 65 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 7 Diameter of single wires 22 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 4,8 A Electrical resistance line constant wire 59 Ω/km @ 20 °C AC withstand voltage (wire - wire) 3 kV @ 60 s	Outer-diameter (jacket)	6,6 mm
Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation 5 % Shore hardness wire insulation 65 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 7 Diameter of single wires 22 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 4,8 A Electrical resistance line constant wire 59 Ω/km @ 20 °C AC withstand voltage (wire - wire) 3 kV @ 60 s	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 65 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 7 Diameter of single wires 22 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 4,8 A Electrical resistance line constant wire 59 Ω/km @ 20 °C AC withstand voltage (wire - wire) 3 kV @ 60 s	Material wire insulation	HDPE
Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation65 ± 3 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)7Diameter of single wires22 AWGConductor crosssection (wire)24 AWGMaterial conductor wirecopper stranded wire, tinnedNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 AElectrical resistance line constant wire59 Ω/km @ 20 °CAC withstand voltage (wire - wire)3 kV @ 60 s	Amount wires	4
Shore hardness wire insulation 65 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 7 Diameter of single wires 22 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 4,8 A Electrical resistance line constant wire 59 Ω/km @ 20 °C AC withstand voltage (wire - wire) 3 kV @ 60 s	Outer diameter insulation	1,25 mm
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 7 Diameter of single wires 22 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 4,8 A Electrical resistance line constant wire 59 Ω/km @ 20 °C AC withstand voltage (wire - wire) 3 kV @ 60 s	Outer diameter tolerance core insulation	±5%
Amount strands (wire) 7 Diameter of single wires 22 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 4,8 A Electrical resistance line constant wire 59 Ω/km @ 20 °C AC withstand voltage (wire - wire) 3 kV @ 60 s	Shore hardness wire insulation	65 ± 3 Shore D
Diameter of single wires 22 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 4,8 A Electrical resistance line constant wire 59 Ω/km @ 20 °C AC withstand voltage (wire - wire) 3 kV @ 60 s	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire) 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 Electrical resistance line constant wire 59 Ω/km @ 20 °C AC withstand voltage (wire - wire) 3 kV @ 60 s	Amount strands (wire)	7
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 Electrical resistance line constant wire 59 Ω/km @ 20 °C AC withstand voltage (wire - wire) 3 kV @ 60 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 Electrical resistance line constant wire 59 Ω/km @ 20 °C AC withstand voltage (wire - wire) 3 kV @ 60 s	Conductor crosssection (wire)	24 AWG
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Electrical resistance line constant wire 59 Ω/km @ 20 °C AC withstand voltage (wire - wire) 3 kV @ 60 s	Material conductor wire	copper stranded wire, tinned
Current load capacity min. wire 4,8 A Electrical resistance line constant wire 59 Ω/km @ 20 °C AC withstand voltage (wire - wire) 3 kV @ 60 s	Nominal voltage AC max.	300 V
Electrical resistance line constant wire 59 Ω/km @ 20 °C AC withstand voltage (wire - wire) 3 kV @ 60 s	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire) 3 kV @ 60 s	Current load capacity min. wire	4,8 A
	Electrical resistance line constant wire	59 Ω/km @ 20 °C
Electrical capacity line constant (wire - wire) 49000 pF/km	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 (installation)	x Outer diameter
Bending radius (fixed)	7 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter