

**RJ45 male 0° / RJ45 male 0° shielded**

RADOX EM 104 4xAWG22 shielded bk 0.5m

Ethernet CAT5

Transmission properties with channel transmission up to 100 m

Male straight – male straight

RJ45 – RJ45, 4-pole

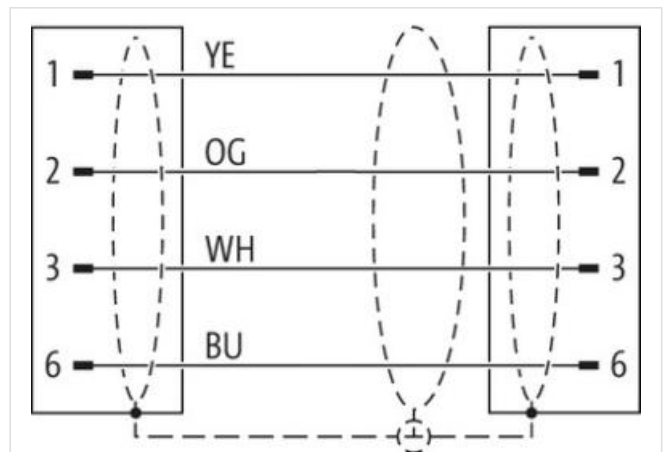
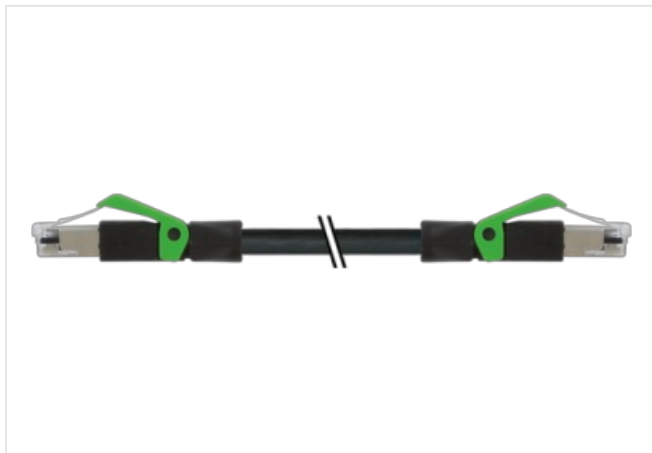
shielded

with cable sleeves

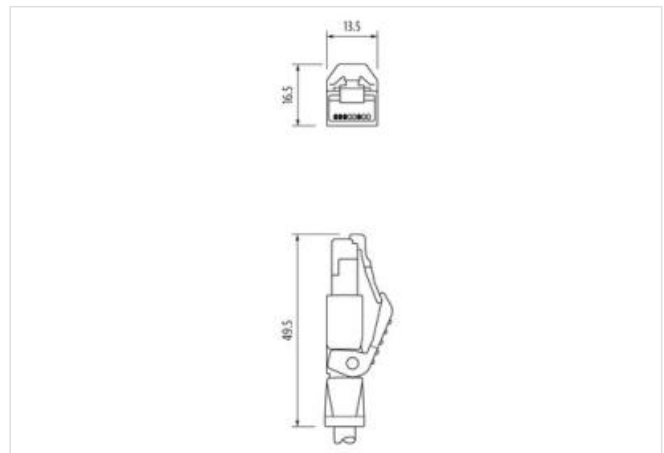
Further cable lengths on request.

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

0,5 m

<b>Side 1</b>	
Mounting method	inserted
Family construction form	RJ45
Cable outlet	straight
No. of poles	4
<b>Side 2</b>	
Family construction form	RJ45
Cable outlet	straight
<b>Commercial data</b>	
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	85444210
GTIN	4048879757034
Packaging unit	1
<b>Electrical data   Supply</b>	
Operating voltage DC max.	60 V
Current operating per contact max.	1,5 A
<b>Industrial communication</b>	
Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Data transmission rate max.	100 MBit/s
<b>Industrial communication   Ethernet functionality</b>	
duplex	Full duplex
<b>Diagnostics</b>	
Status indication LED	no
<b>Device protection   Electrical</b>	
Degree of protection (EN IEC 60529)	IP20
Pollution Degree	3
Rated surge voltage	1 kV
Material group (IEC 60664-1)	I
<b>Mechanical data</b>	
Contour for corrugated hose	without
<b>Mechanical data   Material data</b>	
Material housing	PUR
Locking material	PA
<b>Mechanical data   Mounting data</b>	
Looking techniques	Snap-in connector
<b>Environmental characteristics   Climatic</b>	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
<b>Important installation notes</b>	
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	
Cable identification	R64
Jacket Color	black
Amount stranding	1
Stranding	4 wires twisted
Cable shielding (type)	copper braid, tinned
Banding	Foil, Plastic strip
wire arrangement	white, yellow, blue, orange
Cable weight	77 g/m
Material jacket	Radox EM 104
Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free
Outer-diameter (jacket)	6,6 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	Radox Foam
Amount wires	4
Outer diameter insulation	1,55 mm
Outer diameter tolerance core insulation	± 5 %
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	Copper strand, silver plated
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 ± 5 % @ 100 MHz
Electrical resistance line constant wire	54,4 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 300 s
Electrical capacity line constant (wire - wire)	65000 pF/km
Electrical capacity line constant (wire - shield)	100000 pF/km
Power frequency withstand voltage (wire - jacket)	2 kV @ 300 s
AC withstand voltage (wire - shield)	2 kV @ 300 s
Min. operating temperature (static)	-50 °C
Max. operating temperature (fixed)	90 °C
Operating temperature min. (dynamic)	-40 °C
Operating temperature max. (dynamic)	90 °C
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	6 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter