

PSGS4M-RJ45S-4422-100M

Industrial Ethernet Cable



Technical data

Type	PSGS4M-RJ45S-4422-100M
ID	6635253
Connector A	Male, M8 × 1, Straight
Number of Pins	4
Contacts	Metal, CuZn, Gold-plated
Contact carriers	PA, UL 94, Black
Connector body	Plastic, TPU, UL 94, Black
Coupling nut/screw	Zinc, GD-Zn, Nickel-plated
Tightening torque (range)	0.4 ... 0.6 Nm (observe max. torque of mating connector!)
Mechanical lifespan	> 100 Mating cycles
Pollution degree	3/2
Protection class	IP67, Only in screwed condition
Connector B	Male, RJ45, Straight
Number of pins	4
Contacts	Metal, CuSn, Gold-plated
Contact carriers	Plastic, PC, Black
Connector body	Plastic, TPU, Black
Mechanical life	> 1000 Mating cycles
Protection class	IP20
Cable	
Network protocol	Ethernet
Cable diameter	Ø 6.5 mm ±0.20
Cable length	100 m
Cable jacket	PUR, Green
Shielding	Aluminum foil, tinned copper wire
Core insulation	TPE-O

Features



- M8 male connector, straight
- RJ45 male connector
- Ethernet cable: 4-pin, AWG 22
- CAT 5E
- Jacket material: PUR
- Jacket color: green
- Shielding: overlapping aluminum foil, tinned copper wire
- Jacket diameter: 6.5 mm
- Suitable for drag chain use
- Oil resistant acc. to IEC 60811-2-1 and UL13
- Halogen free acc. to IEC 60754
- Flame retardant acc. to IEC 60332-1-2 and UL FT2
- RoHS compliant
- PNO compliant
- UL
- Cable length: 100 m

Cable Cross-Section



Technical data

Core cross-section	4 x 0.32 mm²
Arrangement of strands	7 x 0.25 mm
Core colors	WH, YE, BU, OG
Electrical properties at +20 °C	
Rated voltage	42 V
Test voltage	2000 V
Current	1.5 A
DC resistance (loop)	120 Ω/km
Nom. impedance	100 Ω (1MHZ)
Nom. capacitance	50 pF/m
Mechanical and chemical properties	
Bending radius (stationary installation)	≥ 5 x Ø
Bending radius (flexible use)	≥ 15 x Ø
Bending cycles	≥ 5 million
Torsional stress	± 180 °/m
Torsion cycles	≤ 100,000 Cycles
Ambient temperature range (stationary)	-40...+80 °C
Ambient temperature range (In motion)	-30...+80 °C
Other Features	
Qualified for drag chain use	yes
Halogen-free	yes
PVC-free	yes
UV resistance	yes
Oil-resistant	yes
Flame-retardant	yes
Approvals	UL Listed

Contact assignment



Circuit Diagram

