

RJ45, male, straight, 4 poles, RJ45, male, straight, 4 poles, shielded, Industrial Ethernet 100 MBit/s



Product data	
Item description	IE-RJ45SS4.003-0,5-IE-RJ45SS4.003/S5100
Item-No.	8092970
Length	0.5m
Customs tariff-No.	85444290
Step-File	IE-RJ45SS4-m-IE-RJ45SS4.stp
EAN	4047106264840

Technical data	A-side	B-side
Connector	male, straight, RJ45	male, straight, RJ45
Number of pins	4	4
Pin assignment	1 YE, 2 OG, 3 WH, 6 BU	1 YE, 2 OG, 3 WH, 6 BU
Allocation	Industrial	Industrial
Rated voltage	60V	60V
Current load (at 40°C)	1A	1A
Insulation resistance	≥10 <sup>9</sup> Ω	≥10 <sup>9</sup> Ω
Transmission features	Cat5e	Cat5e
Ambient temperature product	-40°C...+70°C	-40°C...+70°C
Contact material	Metal, CuZn, gold-plated	Metal, CuZn, gold-plated
Contact-carrier material	Plastic	Plastic
Grip body material	Plastic, TPU, BK	Plastic, TPU, BK
Shielding	with shielding	with shielding
Material of shielding housing	Metal, CuZn, nickel-plated	Metal, CuZn, nickel-plated
Standards	IEC 60603-7-5	IEC 60603-7-5
Degree of protection (mounted)	IP20	IP20
Mechanical life-cycle	>750 mating cycles	>750 mating cycles
Degree of pollution	1	1

**Cable web** **Cat5e, PUR, UL, S5100, PROFINET Type R**

Shielded, PUR-cable for industrial applications. The cable is UL-verified or meets the Cat5e (electrical properties of EN 50288-2-1) requirements. Materials and a constructive setup allow for increased mechanical stresses (abrasion, bending, vibrations etc.) of the cable. This cable is especially suitable for robotic applications.

Outer diameter of jacket	6.50 mm
Cable-jacket material	PUR
Jacket color	GN, similar RAL6018
Wire cross-section	1 x 4 x AWG22, star quad
Wire insulation material	PE
Wire colors	YE/OG ; WH/BU
Wire structure	19 x 0.15 mm
Bending radius (fixed)	5 x Ø-cable
Bending radius (repeated)	10 x Ø-cable
Temperature range (repeated)	-20°C...+80°C
Temperature range (fixed)	-40°C...+80°C
Drag chain-application	5 Mio. bending cycles
Halogen-free	Yes
Torsion	>5 Mio. cycles
Transmission features	Cat5e
Rated voltage cable	600 V UL rating
Special features	flame retardant, halogen free, high flexibility, hydrolysis proof, LABS free, microbes resistant, oil resistant, ozone resistant, PROFINET Type R, recyclable, RoHS compliant, acid- and alkali resistant, drag chain-adapted, seawater resistant, torsion resistant, UV resistant

**Classification**

eCl@ss 6.0	27061801
eCl@ss 7.0	27060308
eCl@ss 8.0	27060308
eCl@ss 9.0	27060308
ETIM 5.0	EC002599
ETIM 6.0	EC002599

**Accessories**

Unlocking clip for RJ45

<https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&o=3&n=15&f=807>