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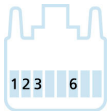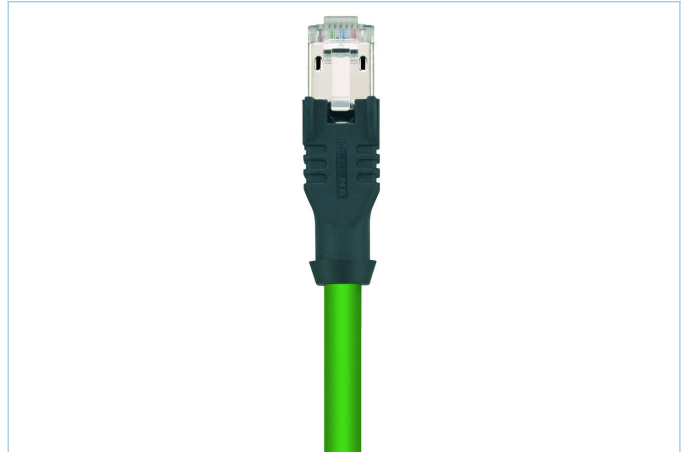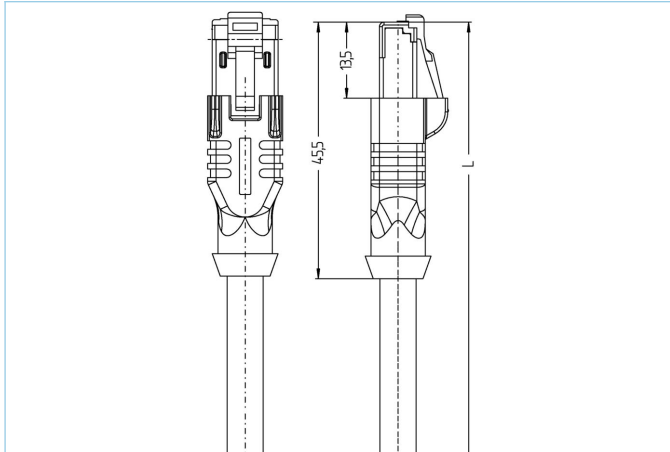
Product data

Item description	IE-RJ45SS4.003-10/S5100
Item-No.	8088146
Length	10m
Customs tariff-No.	85444290
Step-File	IE-RJ45SS4_003.stp
EAN	4047106253295

Technical data

Connector	male, straight, RJ45
Number of pins	4
Pin assignment	1 YE, 2 OG, 3 WH, 6 BU
Allocation	Industrial
Rated voltage	60V
Current load per pin (at 40°C)	1A
Insulation resistance	$\geq 10^8 \Omega$
Transmission features	Cat5e
Ambient temperature product	-40°C...+70°C
Contact material	Metal, CuSn, gold-plated
Contact-carrier material	Plastic, PA UL94-V0, transparent
Grip body material	Plastic, TPE, BK
Material of shielding housing	Metal, CuZn, nickel-plated
Shielding	with shielding
Standards	IEC 60603-7-5
Degree of protection (mounted)	IP20
Mechanical life-cycle	>750 mating cycles
Cable end assembly	open cable end
Degree of pollution	1
Style	straight

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; bending radius 75 mm; maximum acceleration 20 m/s²; maximum horizontal speed 300 m/min; maximum length horizontal of cable 5 m
Halogen-free	Yes
Torsion	>5 Mio. cycles; ±180°/m
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

Link to product
https://www.escha.net/en/products/standard/data-connectors/8088146

The information contained in this data sheet was compiled with the utmost care. The liability for the correctness, completeness and timelines is limited to gross negligence.
ESCHA GmbH & Co. KG | Elberfelder Str.32 | 58553 Halver / Germany | Phone +49 2353 708 - 800 | Fax +49 2353 708 - 8410 | version: 21.09.2023 8088146 page: 2