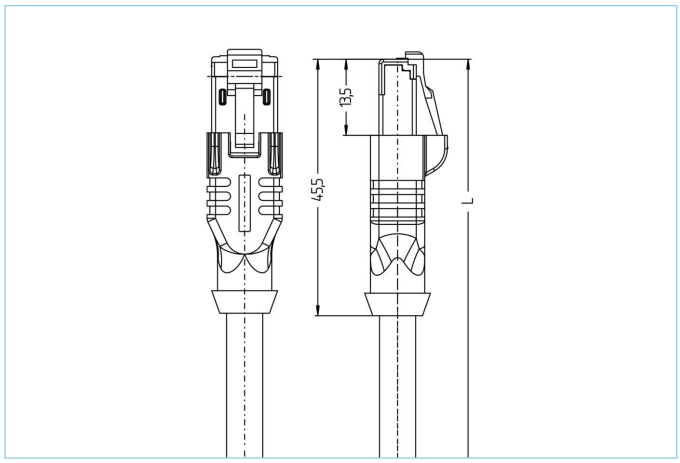
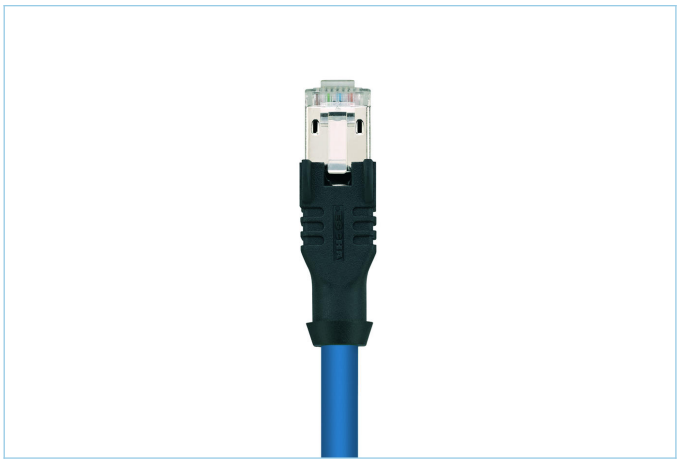
RJ45, male, straight, 4 poles, RJ45, male, straight, 4 poles, shielded, rail approved





Product data	
Item description	RA-RJ45SS4.003-5-RA-RJ45SS4.003/S4002BU
Item-No.	8087435
Length	5m
Customs tariff-No.	85444290
Step-File	RA-RJ45SS4_003-L-RA-RJ45SS4_003.stp
EAN	4047106250089

Technical data	A-side	B-side
Connector	male, straight, RJ45	male, straight, RJ45
Number of pins	4	4
Pin assignment	1YE, 2 OG, 3 WH, 6 BU	1YE, 2 OG, 3 WH, 6 BU
Allocation	Industrial	Industrial
Rated voltage	50V	50V
Current load (at 40°C)	1A	1A
Insulation resistance	≥10^8Ω	≥10^8Ω
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, TPE, BK	Plastic, TPE, 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
Mechanical life-cycle	>750 mating cycles	>750 mating cycles
Degree of pollution	1	1

Advanced technical data rail approved	
Standards	DIN EN 50155, DIN EN 45545-2
Shock & vibration	Class 1, Category B (DIN EN 61373)
Degree of protection (mounted)	IP20
Temperature range	Tx (-40°C...+90°C)
Fire prevention according to	DIN EN 45545-2 HL1-3, does not apply for RJ45

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.

Cable web	Cat5, RADOX®, RW, 1x4xAWG22, S4002BU

Halogen-free, electron-beam cross-linked CAT5-cable with improved fire performance. This cable can be used for fixed and protected installation inside of rail vehicles and busses and fullfills the requirements according to EN 45545-2 (HL1 - HL3). It is optimally suited for all Ethernet applications of classes D (ECN) according to IEEE 802.3. For installation the guidelines of EN 50355 and EN 50343 must be considered. Due to its thin diameter, this cable is predestined for applications in which overmolded RJ45-connectors are used. RADOX® is a registered trademark of HUBER+SUHNER AG, Switzerland.

Outer diameter of jacket	6.60 mm
Cable-jacket material	RADOX® EM 104
Jacket color	BU
Wire cross-section	1 x 4 x AWG22, star quad
Wire insulation material	RADOX® FOAM
Wire colors	WH, BU, OG, YE
Bending radius (fixed)	6xØ cable
Temperature range (fixed)	-50°C...+90°C
Fire prevention according to	DIN EN 45545-2 HL1-3, DIN 5510 fire prevention-levels 1-4, NF F16-101 category A1, A2, B, UNI CEI 11170, danger level LR1-LR4, NFPA 130
Shielding	Yes
Halogen-free	Yes
Transmission features	Cat5e
Special features	increased thermal load, flame retardant, low emission of smoke, halogen free, LABS free, oil- and fuel resistant, RoHs compliant

Classification

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

Link to product

https://www.escha.net/en/products/standard/connectors-for-bus-and-rail/8087435