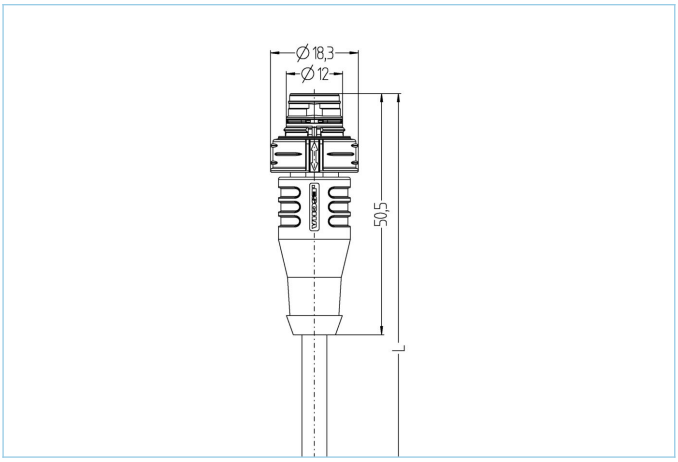
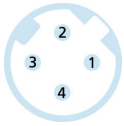
M12, Push-Pull inner locking, male, straight, 4 poles, D-coded, M12, Push-Pull inner locking, male, straight, 4 poles, D-coded, shielded, rail approved







Product data	
Item description	RA-PPIWASSY4.029-m-RA-PPIWASSY4.029/S4003
Item-No.	V0014149
Length	on demand
Customs tariff-No.	85444290
Step-File	RA-PPIWASSY4-L-RA-PPIWASSY4.stp

Technical data	A-side	B-side
Connector	male, straight, M12 Push-Pull	male, straight, M12 Push-Pull
Number of pins	4	4
Pin assignment	1 YE, 2 WH, 3 OG, 4 BU	1 YE, 2 WH, 3 OG, 4 BU
Coding of	D	D
Rated voltage	60V DC	60V DC
Current load (at 40°C)	4A	4A
Insulation resistance	≥10^8Ω	≥10^8Ω
Resistance	≤ 5mΩ	≤ 5mΩ
Transmission features	Cat5e	Cat5e
Contact material	Metal, CuZn, gold-plated	Metal, CuZn, gold-plated
Contact-carrier material	Plastic, PA, BK	Plastic, PA, BK
Grip body material	Plastic, TPU, BK	Plastic, TPU, BK
Shielding	with shielding	with shielding
Material of shielding housing	Zinc die-cast	Zinc die-cast
Standards	IEC 61076-2-010	IEC 61076-2-010
Mechanical life-cycle	>100 mating cycles	>100 mating cycles
Degree of pollution	3	3

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)	IP67 (-30°C...+90°C), IP65 (-40°C...+90°C)
Temperature range	Tx (-40°C...+90°C)
Fire prevention according to	DIN EN 45545-2 HL1-3

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®, 1x4xAWG22, S4003

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 big diameter, this cable is predestined for robust applications. RADOX® is a registered trademark of HUBER+SUHNER AG, Switzerland.

Outer diameter of jacket	7.25 mm
Cable-jacket material	RADOX® EM 104
Jacket color	BK
Wire cross-section	1 x 4 x AWG22, star quad
Wire insulation material	RADOX® COM
Wire colors	WH, BU, OG, YE
Bending radius (fixed)	6xØ cable
Bending radius (repeated)	10xØ 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, UN ECE R 118
Shielding	Yes
Halogen-free	Yes
Transmission features	Cat5e
Special features	increased thermal load, flame retardant, low emission of smoke, halogen free, oil- and fuel resistant, RoHs compliant

Classification

eCl@ss 6.0	27060307
eCl@ss 7.0	27060307
eCl@ss 8.0	27060307
eCl@ss 9.0	27060307
ETIM 5.0	EC000830
ETIM 6.0	EC000830

Accessories

Marking rings Ø 9mm
https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&o=3&n=15&f=809