

M12, male, straight, 4 poles, D-coded, M12, male, straight, 4 poles, D-coded, shielded, rail approved



Product data	
Item description	RA-WASSY4.029-5-RA-WASSY4.029/S4002
Item-No.	8063071
Length	5m
Customs tariff-No.	85444290
Step-File	RA-WASSY4-L-RA-WASSY4.stp
EAN	4047106159191

Technical data	A-side	B-side
Connector	male, straight, M12	male, straight, M12
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	250V	250V
Current load (at 40°C)	4A	4A
Insulation resistance	$\geq 10^8 \Omega$	$\geq 10^8 \Omega$
Resistance	$\leq 5m\Omega$	$\leq 5m\Omega$
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
Coupling nut material	Metal, CuZn, nickel-plated	Metal, CuZn, nickel-plated
Shielding	with shielding	with shielding
Standards	IEC 61076-2-101	IEC 61076-2-101
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

Cable	Cat5, RADOX®, RW, 1x4xAWG22, S4002
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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 fulfills the requirements according to EN 45545-2 (HL1 - HL3). It is optimally suited for all Ethernet applications of class 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. 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	BK
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, UN ECER118
Shielding	Yes
Halogen-free	Yes
Transmission features	Cat5e
Special features	flame retardant, RoHs compliant, halogen free, increased thermal load, low emission of smoke, oil- and fuel resistant, UN ECER118

Classification	
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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	
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Torque-wrench set https://www.escha.net/en/products/standard/accessories-for-connectivity/8055431	
Marking rings Ø 9mm https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&o=3&n=15&f=809	
Cable Stripping Tool https://www.escha.net/en/products/standard/accessories-for-connectivity/8066215	
Mounting-clip, M12 https://www.escha.net/en/products/standard/accessories-for-connectivity/8047660	
Safety-clip, M12 https://www.escha.net/en/products/standard/accessories-for-connectivity/8040501	
Screw cap, M12 https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&o=3&n=15&f=811	

Link to product	
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<https://www.escha.net/en/products/standard/connectors-for-bus-and-rail/8063071>