

## M12, male, straight, 5 poles, rail approved



### Product data

Item description	RA-WAS5.033-5/55300
Item-No.	8111222
Length	5m
Customs tariff-No.	85444290
EAN	4047106307349

### Technical data

Connector	male, straight, M12
Number of pins	5
Pin assignment	1 WH, 2 BN, 3 GN, 4 YE, 5 GY
Coding	A
Rated voltage	60V
Current load per pin (at 40°C)	4A
Insulation resistance	$\geq 10^9 \Omega$
Resistance	$\leq 5 m\Omega$
Contact material	Metal, CuZn, gold-plated
Contact-carrier material	Plastic, PA, BK
Grip body material	Plastic, TPU, BK
Coupling nut material	Metal, CuZn, nickel-plated
Shielding	without shielding
Standards	IEC 61076-2-101
Mechanical life-cycle	>100 mating cycles
Cable end assembly	open cable end
Degree of pollution	3
Style	straight

### 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 web** SABIX®, 5x0,50 mm<sup>2</sup>, S5300

Halogen-free cable with improved behaviour in case of fire, easy to strip, flame retardant and self-extinguishing. The cable is intended for fixed, mechanically protected installation in railway vehicles. The cable fulfils the requirements according EN 45545-2 (HL1 - HL3). It is characterized by a wide temperature range. SABIX® is a registered trademark of SAB Bröckskes GmbH & Co. KG, Germany.

Outer diameter of jacket	5.4 mm
Cable-jacket material	SABIX®
Jacket color	GY, similar RAL7032
Wire cross-section	5 x 0.50 mm <sup>2</sup>
Wire insulation material	SABIX®
Wire colors	WH, BN, GN, YE, GY
Wire structure	15 x 0,20 mm
Bending radius (fixed)	5xØ-cable
Bending radius (repeated)	10xØ-cable
Temperature range (repeated)	-30°C...+90°C
Temperature range (fixed)	-40°C...+90°C
Fire prevention according to	DIN EN 45545-2 HL1-3
Halogen-free	Yes
Special features	flame retardant, halogen free, RoHs compliant, self-extinguishing

**Classification**

eCl@ss 6.0	27279218
eCl@ss 7.0	27279218
eCl@ss 8.0	27279218
eCl@ss 9.0	27060311
ETIM 5.0	EC001855
ETIM 6.0	EC001855

**Accessories**
**Torque-wrench set**

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8055431>

**Cable Stripping Tool**

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8066215>

**Screw cap, M12**

<https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&o=3&n=15&f=811>

**Mounting-clip, M12**

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8047660>

**Mounting-set, M12**

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8047664>

**Safety-clip, M12**
**Marking rings Ø 9mm**

<https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&o=3&n=15&f=809>