

SAC-4P-MS/ 7,6-28T SCO RAIL - Sensor/actuator cable



1049267

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Sensor/actuator cable, 4-position, PE-X halogen-free, black, shielded, Plug straight M12 SPEEDCON, coding: A, on free cable end, cable length: 7.6 m, For railway applications

Commercial data

Item number	1049267
Packing unit	1 pc
Minimum order quantity	5 pc
Note	Made to order (non-returnable)
Product key	AF1CCA
GTIN	4055626662312
Weight per piece (including packing)	641.8 g
Weight per piece (excluding packing)	641.8 g
Country of origin	PL

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Technical data

Product properties

Product type	Sensor/actuator cable
Number of positions	4

Electrical properties

Nominal voltage U_N	48 V AC
	60 V DC

Connector

Connection 1

Type	Plug straight M12 SPEEDCON
Locking type	SPEEDCON
Coding type	A

Connection 2

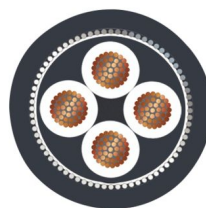
Type	free cable end
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Cable/line

Cable length	7.6 m
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RADOX® black Twisted-Pair [28T]

Dimensional drawing



Cable weight	80 kg/km
Number of positions	4
Shielded	yes
Cable type	RADOX® black Twisted-Pair [28T]
Conductor structure signal line	19x 0.18 mm
AWG signal line	20
Conductor cross-section	2x 2x 0.5 mm ²
Wire diameter incl. insulation	1.4 mm
External cable diameter	7.20 mm ±0.3 mm
Outer sheath, material	PE-X
External sheath, color	black
Conductor material	Tin-plated Cu litz wires
Material wire insulation	PE-X

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Single wire, color	white 1-white 2, white 3-white 4
Twisted pairs	2 cores to the pair
Overall twist	Two pairs with two fillers to the core
Max. conductor resistance	$\leq 40.1 \text{ } \Omega/\text{km}$
Nominal voltage, cable	600 V AC (Core-ground, U_0)
	1000 V AC (Core-ground, U)
	$\leq 720 \text{ V AC}$ (core-ground)
	$\leq 1200 \text{ V AC}$ (Core-ground, U_m)
	$\leq 900 \text{ V DC}$ (Core-ground, V_0)
Test voltage	$\leq 1500 \text{ V DC}$ (Line-line)
	3500 V AC (50 Hz, 5 min.)
	8400 V DC (50 Hz, 5 min.)
Minimum bending radius, fixed installation	3 x D
Minimum bending radius, flexible installation	4 x D
Smallest bending radius, fixed installation	22 mm
Smallest bending radius, movable installation	29 mm
Halogen-free	in accordance with EN 50267-2-1
Flame resistance	IEC 60332-1-2
	EN 50266
	EN 60332-3-25
	NF C32-070, 2.1
	NF C32-070, 2.2
	UL 1685, 12 (FT4)
	in accordance with ISO 6722-1 5.22 (UN ECE-R 118.01)
Fume corrosiveness	EN 50267-2-2
Fume toxicity	BS 6853 B.1
	EN 50305, 9.2
Concentration of fumes	BS 6853 D.8.7
	EN 61034-2
	UL 1685, 12 (FT4)
Resistance to oil	according to IRM 902, 72 h at 100 °C
Fire protection in rail vehicles	BS 6853 (Category Ia, Ib, II)
	GM/RT 2130 (Category Ia, Ib, II)
	EN 45545 (Risk level HL1 - HL3)
	DIN 5510 (Fire protection level 1, 2, 3, 4)
	NF F16-101 (Category A1, A2, B)
	NF F16-101 (Class C/F0)
	NFPA 130
	UNI CEI 11170 (Risk level LR1 - LR4)
Other resistance	Resistance to fuels (according to IRM 903, 168 h at 70 °C)
Ambient temperature (operation)	-50 °C ... 120 °C (cable, fixed installation)
	-25 °C ... 90 °C (Cable, flexible installation)

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Classifications

ECLASS

ECLASS-13.0	27060311
ECLASS-15.0	27060311

ETIM

ETIM 9.0	EC001855
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UNSPSC

UNSPSC 21.0	26121600
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" TM)(CAS: n/a)
SCIP	ef0d344c-9e13-4513-91b1-6800d206c32c

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