

SAC-4P-M12MS/ 5,0-990/M12FS

Order No.: 1558441

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1558441>Bus system cable, CC-Link, 4-pos., PVC red, shielded, straight M12
plug, on straight M12 socket, cable length:5 m

CC-Link

Commercial data

EAN	4046356293778
Pack	1 pcs.
Customs tariff	85444290
Weight/Piece	0.4218 KG
Catalog page information	Page 290 (PC-2009)

Product notesWEEE/RoHS-compliant since:
02/27/2008

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Technical data**General data**

Nominal current I_N	4 A
Nominal voltage U_N	250 V
Number of positions	4
Volume resistance	$\leq 5 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$

Length of cable	5 m
Ambient temperature (operation)	-25 °C ... 90 °C (plug/socket)
	-30 °C ... 60 °C (cable, fixed installation)
	-5 °C ... 60 °C (cable, flexible installation)

General characteristics

Coding	A - standard
Inflammability class acc. to UL 94	HB
Surge voltage category	II
Pollution degree	3
Degree of protection	IP65/IP67/IP69K
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	Zinc die-cast, (nickel-plated)
Sealing material	NBR
Status display	No

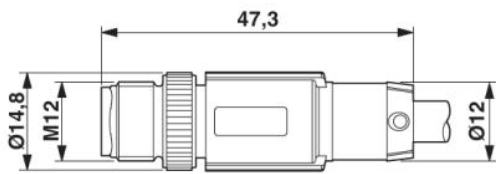
Conductor data

Cable type	CC-Link
Cable type (abbreviation)	990
Conductor cross section	0.5 mm ²
AWG signal line	20
Conductor structure, signal line	7x 0.28 mm
Thickness, insulation	0.89 mm (Outer cable sheath)
External cable diameter	7.70 mm
Wire colors	white, yellow, blue
External sheath, color	red
Conductor resistance	31.2 Ω/km
Working capacitance	61 pF
Wave impedance	110 Ω
Nominal voltage, conductor	300 V
Shielding	Plastic-coated aluminum foil, tinned copper braided shield
Optical shield covering	78 %
Outer sheath, material	PVC

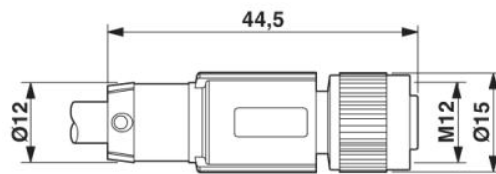
Material conductor insulation	foamed PE, with high density
Conductor material	Bare Cu litz wires
Cable weight	78.8 kg/km
Smallest bending radius, fixed installation	77 mm

Drawings

Dimensioned drawing

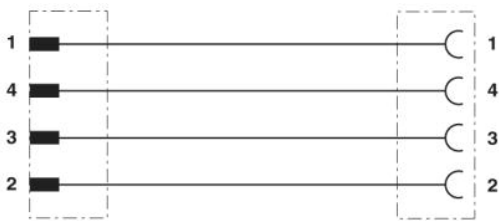


M12 x 1 male connector, straight, shielded



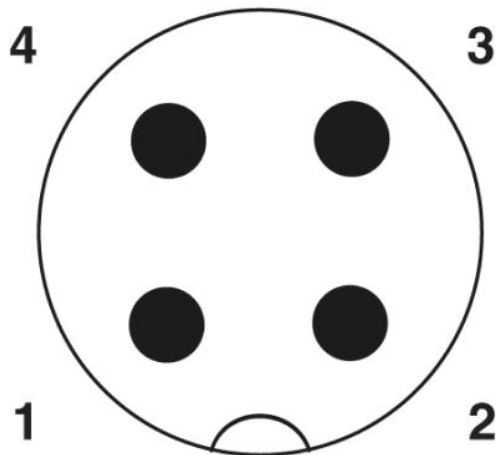
M12 x 1 female connector, straight, shielded

Circuit diagram

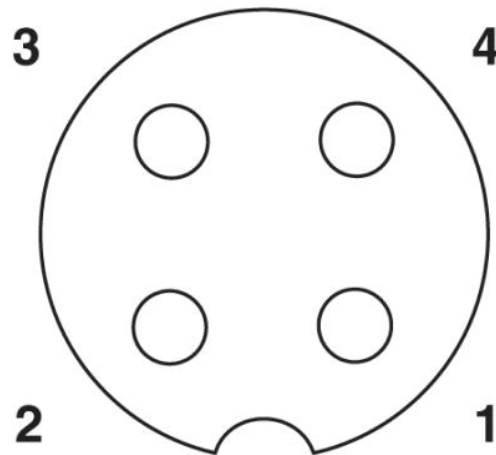


Contact assignment of the M12 plug and the M12 socket

Schematic diagram



Pin assignment M12 plug, 4-pos., A-coded, view plug side



Pin assignment M12 socket, 4-pos., A-coded, view female side

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