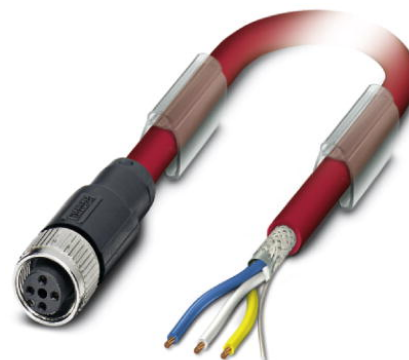


# SAC-4P- 5,0-990/M12FS

Order No.: 1558373



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1558373>

Bus system cable, CC-Link, 4-pos., PVC red, shielded, free conductor end, on straight M12 socket, cable length:5 m

CC-Link

Commercial data	
EAN	4046356293709
Pack	1 pcs.
Customs tariff	85444290
Weight/Piece	0.4083 KG
Catalog page information	Page 290 (PC-2009)

#### Product notes

WEEE/RoHS-compliant since:  
02/27/2008



<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

## 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

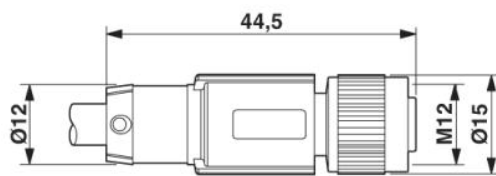
**Conductor data**

Cable type	CC-Link
Cable type (abbreviation)	990
Conductor cross section	0.5 mm <sup>2</sup>
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

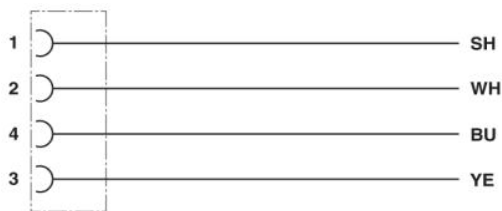
**Drawings**

Dimensioned drawing



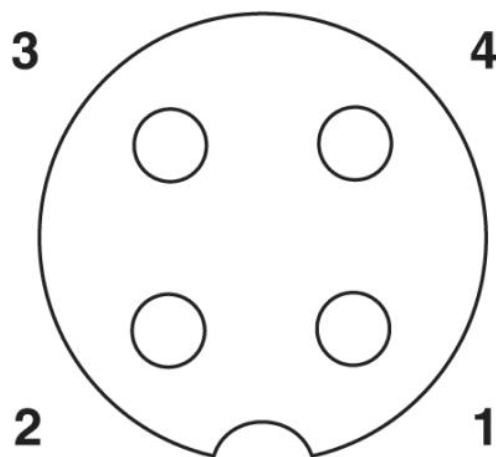
M12 x 1 female connector, straight, shielded

Circuit diagram



Contact assignment of the M12 socket

Schematic diagram



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

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