

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Sensor/Actuator cable, 4-position, PP-EPDM halogen-free, Gray RAL 7035, Plug straight M12, Acoded, on Free cable end, Cable length: 3 m, Hygienic design, With high-grade steel knurl



Key commercial data

Packing unit	0
Minimum order quantity	1
GTIN	4 046356 676953
Custom tariff number	85444290
Country of origin	POLAND

Technical data

General data

Rated current at 40°C	4 A
Rated voltage	250 V
Number of positions	4
Volume resistance	$\leq 5 \text{ m}\Omega$
Insulation resistance	≥ 100 MΩ
Length of cable	3 m
Ambient temperature (operation)	-40 °C 105 °C (Male connector / female connector)

General characteristics

Standards/regulations	M12 plug-in connector IEC 61076-2-101
Coding	A - standard
Surge voltage category	II II
Pollution degree	3
Degree of protection	IP65/IP68/IP69K
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PP



Technical data

General characteristics

Material of grip body	PP
Material, knurls	High-grade steel
Status display	No

Conductor data

Halogen-free PP gray
600
Li9Y9Y
4x 0.34 mm² (signal line)
22
42x 0.10 mm
1.27 mm ±0.02 mm (signal line)
≥ 0.21 mm (Core insulation)
brown, white, blue, black
4 wires, twisted
48 mm
Gray RAL 7035
Approx. 0.8 mm
4.7 mm ±0.15 mm
5 x D
10 x D
30 kg/km
PP-EPDM
PP
Bare Cu litz wires
58 Ω/km (At an ambient temperature of 20°C)
≤ 300 V AC
≥ 3000 V AC (Spark test)
FDA compliant
in accordance with DIN VDE 0472 part 815
-40 °C 105 °C (cable, fixed installation)

Classifications

ETIM

ETIM 3.0	EC001855
ETIM 4.0	EC001855
ETIM 5.0	EC001855

UNSPSC

UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501



Classifications

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501

eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27061801
eCl@ss 5.1	27061801
eCl@ss 6.0	27061801
eCl@ss 7.0	27061801

Accessories

Accessories

Tools

Cable-cutting tool - CUTFOX-S VDE - 1212207



Diagonal cutter for copper and aluminum conductors, VDE-tested

Stripping tool - WIREFOX SAC - 1212623



Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, from \varnothing of 4.4 to 7 mm, any stripping length

Stripping tool - WIREFOX 10 - 1212150



Stripping tool, for cables and conductors from 0.02 - 10 mm², self-adjusting, stripping length of up to 18 mm, cutting capacity of up to 10 mm² stranded/1.5 mm² solid, replaceable stripping blade



Accessories

Torque screwdriver - TSD 04 SAC - 1208429



Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors

Torque screwdriver - TSD-M 1,2NM - 1212224



Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

Adapter insert - TSD-M SAC-BIT ADAPTER - 1212600



Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

Adapter - SAC BIT M12-W14 - 1212513



SAC nut, for assembling M12 connectors with hexagonal high-grade steel knurl, with 4 mm hexagonal drive

Drawings

Schematic diagram



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

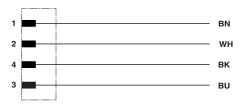
Cable cross section



Halogen-free PP gray [600]



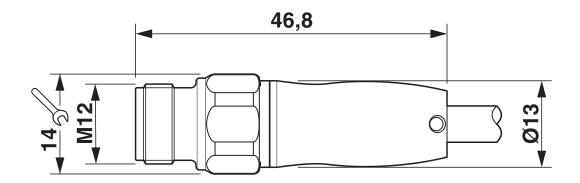
Circuit diagram



Contact assignment of the M12 plug and the M12 socket



Dimensioned drawing





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