

## Cable reference

EFFC-CAB	-M12	-F	-5	-D	-LX
	Type	Ending	Number of pins	Orientation	Length
	M12 A-Coded (standard)	F (female - flying leads)		D (Straight)	L2 (2 meters) L5 (5 meters) L5 (10 meters)

## Cable description

M12 Single-Ended Cordset: Female, straight, 5 contacts, A-coded, unshielded, 60 V DC, 4 A; PVC grey cable, 5-wires, 0.34mm<sup>2</sup>

## Technical specifications

Scale drawing	Contact arrangement
	<ul style="list-style-type: none"> <li>1 brown</li> <li>2 white</li> <li>3 blue</li> <li>4 black</li> <li>5 grey</li> </ul> <p>Female</p>

### General features

Connector design	Female cable connector
Type standard	DIN EN 61076-2-101
Cable length	2m, 5m or 10m
Version	Connector socket straight
Connector locking system	screw
Termination	moulded on the cable
Degree of protection	IP69K
Cross-sectional area	0.34 mm <sup>2</sup> / AWG 22
Temperature range from/to	-25 °C / 90 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	2m: 183g / 5m: 310g / 10m: 523g
Customs tariff number	85444290
Country of Origin	DE

### Electrical parameters

Rated voltage	60 V
Rated impulse voltage	1500 V
Rated current	4.0 A
Insulation resistance	$\geq 10^9 \Omega$
Pollution degree	3
Overvoltage category	II
Insulating material group	II
EMC compliance	unshielded

**Material**

Housing material	PUR
Contact body material	PUR
Contact material	CuSn (bronze)
Contact plating	Au (gold)
Locking material	Zinc die-cast nickel-plated
REACH SVHC	None (No pollutants)
SCIP number	SCIP-number not available

**Authorization/approvals**

Approvals	UL
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**Declarations of conformity**

Low Voltage Directive	2014/35/EU (EN 60529:1991;EN 60204-1:2018)
RoHS Directive	2011/65/EU (EN 50581:2012)

**Cable data**

Cable diameter	5.2 mm
Cross section	5 x 0.34 mm <sup>2</sup>
Sheath material	PVC
Single-lead insulation	PVC
Single-lead structure	42 x 0.10 mm
Cable color	grey
Bending radius, fixed cable	≥ 5 x Ø
Bending radius, moving cable	≥ 10 x Ø
Bending cycles	> 2 million
Permitted acceleration	5 m/s <sup>2</sup> + 1 m/s <sup>2</sup>
Travel distance, horizontal	5 m/s <sup>2</sup> -> 5 m
Travel distance, vertical	5 m/s <sup>2</sup> -> 2 m
Travel speed	≤ 200 m/min (5 m horizontal distance)
Temperature range cable in move from/to	-5 °C / 105 °C
Temperature range cable fixed from/to	-40 °C / 105 °C
Halogen free	no

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