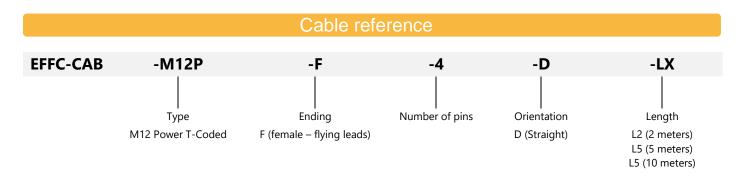
ACCESSORIES

Cables EFFC-CAB-M12P-F-4-D-LX



Cable description

M12 Power Single-Ended Cordset: Female, straight, 4 contacts, T-coded, blue body, 60 V DC, 16 A; PUR black cable, 4-wires, 1.50mm²

Technical specifications		
Scale drawing	Contact arrangement	
	4 3 3 3 4 1 2 4 1 2 4 1 2 4 brown 3 blue 4 blue 4 blue 5 6 7 7 8 1 1 1 1 1 1 1 1 1 1 1 1 1	

Technical Data

Product Sub Family:	M12 Power
Connector Type:	Cordset, single ended
Type of Contact / Gender:	female
Connector Design:	straight
Number of Pins:	4
Coding:	Т
Shielding:	Unshielded
Attachment Type:	Coupling Nut
Rated Voltage:	63 V
Rated Voltage (UL):	63 V
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	50 V AC / 60 V DC
Rated Current*:	16 A
Rated Current (UL)*:	16 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	-40 °C to +125 °C, notice derating
Protection Degree / IP Rating**:	IP65, IP67, IP69K
Design Standard:	IEC 61076-2-111
Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Clearance / Creepage Distance:	DIN EN 60664-1 (2008/01); VDE 0110-1
Overvoltage Category:	III acc. to DIN EN 60664-1 (VDE 0110-1)



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ACCESSORIES

Cables EFFC-CAB-M12P-F-4-D-LX

Materials

Contact Base Material:	CuNi
Contact Plating:	Cu/Au
Contact Bearer Material:	PBT GF
Contact Bearer Color:	dark-grey
Flammability Class (Contact Bearer):	UL 94 V-2
Molded Body Material:	TPE
Molded Body Color:	blue
Flammability Class (Molded Body):	UL 94 HB
Attachment Material:	CuZn
Attachment Plating:	Cu/Ni
O-Ring Material:	FKM

Additional Technical Data

Eastening	Torque	(Contact Screw):
rastering	rorque	(contact cereir).

M 12x1: (50-60) Ncm, hand-tight

Cable Data

Cable Number:	723
Conductor Size:	1.50 mm²
Number of Wires:	4
Minimal Bending Radius (Fixed Inst):	> 4 x D
Minimal Bending Radius (Flexible Inst):	> 7.5 x D
Cycles (Bending):	> 10 M
Conductor material:	Cu
Cable Jacket Material:	PUR
Cable Jacket Color:	black
Cable Diameter D:	ø 7.4 ±0.20 mm
Wire Insulation Material:	PP
Insulated Wire Diameter:	ø 2.35 mm
Ambient Temperature (Fixed Installation):	-40 °C to +80 °C
Ambient Temperature (Flex Installation):	-30 °C to +80 °C
Ambient Temperature (Fixed Installation short-term 100h):	-40 °C to +125 °C
Ambient Temperature (Drag Chain Inst):	-20 °C to +60 °C
UL Cable Type:	AWM: 20939
Flammability Class (Cable Jacket):	VDE 0482-332-1-2, DIN EN 60332-1-2 / IEC 60332-1 / UL VW-1, CSA FT1

Approvals

UL-File:	E497237
UL:	UL 2237; cULus

Safety & Environmental Compliance

RoHS Compliant:	yes	
Resistances		
Halogenfree:	DIN VDE 0472 T.815	
Oil Resistance:	HD 22.10 Appendix A, DIN EN 60811-404	



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Note: EFFILUX is only reselling this cable without any change made on the product. All technical and compliancy informations on this datasheet are provided by our supplier.

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