

80CMxx001.26-01 - M12 motor cables

1 Order data


Model number	Short description
	
Motor cables M12	
80CM02001.26-01	Motor cable, length 2 m, 5x 0.34 mm ² , 4-pin Molex connector on the motor side, M12 connector on the drive side, can be used in cable drag chains, UL listed
80CM05001.26-01	Motor cable, length 5 m, 5x 0.34 mm ² , 4-pin Molex connector on the motor side, M12 connector on the drive side, can be used in cable drag chains, UL listed
80CM10001.26-01	Motor cable, length 10 m, 5x 0.34 mm ² , 4-pin Molex connector on the motor side, M12 connector on the drive side, can be used in cable drag chains, UL listed

Table 1: 80CM02001.26-01, 80CM05001.26-01, 80CM10001.26-01 - Order data

2 Technical data

Product ID	80CM02001.26-01	80CM05001.26-01	80CM10001.26-01
General information			
Cable cross section	5x 0.34 mm ²		
Certification cULus	Yes		
Cable construction			
Power lines	5		
Quantity	PVC		
Wire insulation	Black, brown, blue, green, white		
Wire colors	0.34 mm ²		
Diameter	Yes		
Shield	Yes		
Stranding	With filler elements and foil shield		
Cable stranding	Tinned copper braiding, optical coverage >85% and wrapped in foil shield		
Complete shielding	PUR/PVC		
Outer sheathing Material			
Electrical characteristics			
Nominal current	Max. 4 A / contact		
Connection voltage	Max. 60 V AC/DC		
Environmental conditions			
Temperature			
Moving	-10 to 70°C		
Static	-20 to 90°C		
Mechanical characteristics			
Dimensions			
Length	2 m	5 m	10 m
Diameter	6.4 mm ±0.2 mm		
Flex radius	≥10x outer diameter		
Drag chain data			
Acceleration	5 m/s ²		
Flex cycles	Max. 2.5 million		
Speed	2 m/s		

Table 2: 80CM02001.26-01, 80CM05001.26-01, 80CM10001.26-01 - Technical data

3 Wiring

3.1 Design

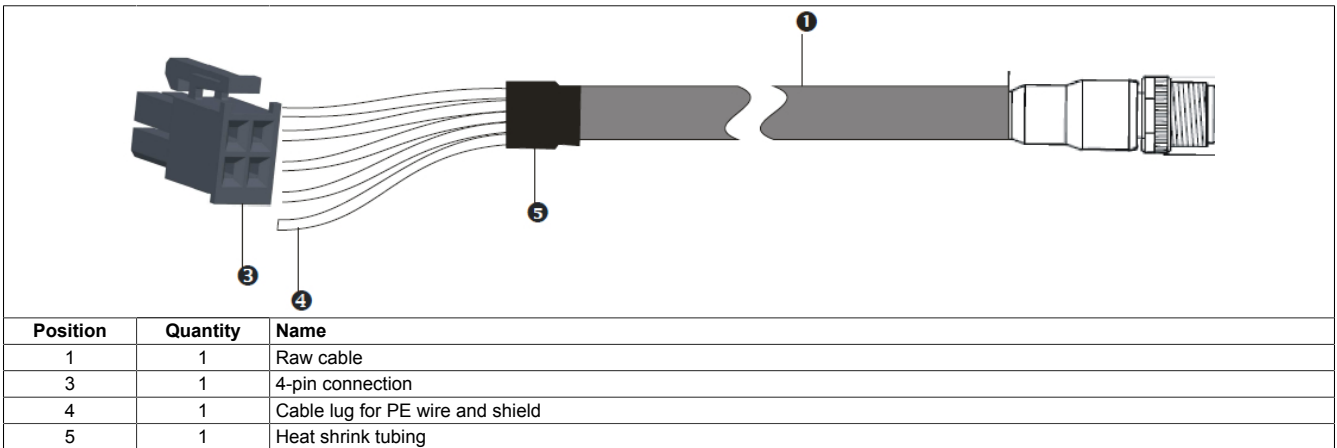


Table 3: Design

3.2 Pinout

Molex connection	Pin	Name	Function	Pin	M12 connector
	1	A\	Motor phase A\	2	
	2	B\	Motor phase B\	4	
	3	A	Motor phase A	1	
	4	B	Motor phase B	3	
		PE	Shield	5	

Table 4: Pinout

3.3 Cable diagram

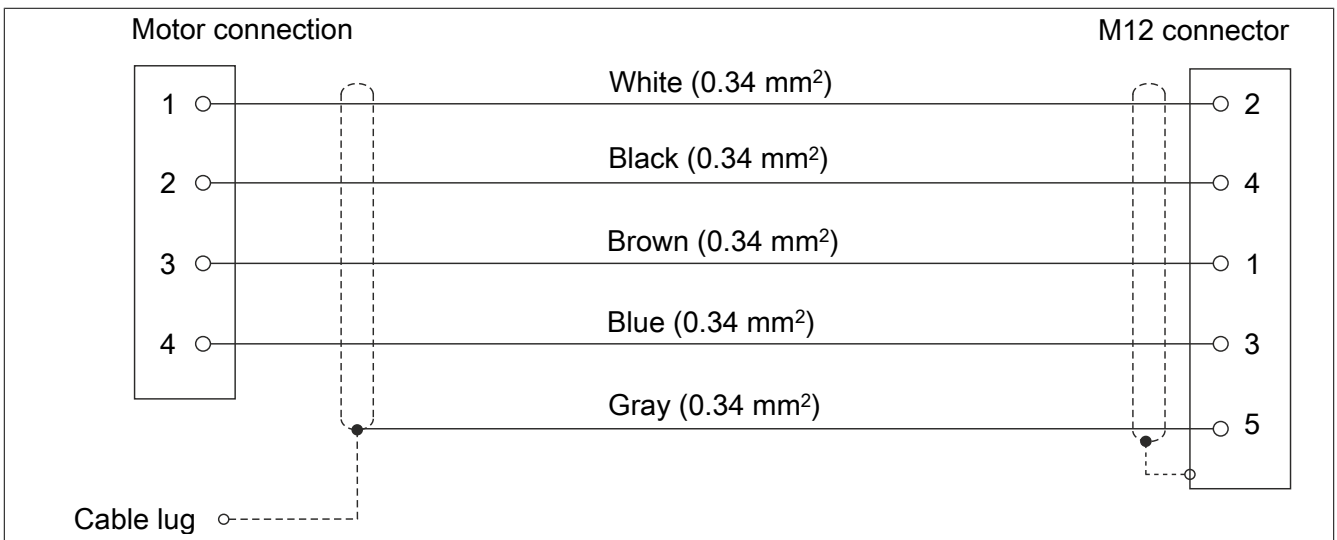


Figure 1: Cable diagram