


# 80CMxx001.26-01 - M12 motor cables

## 1 Order data

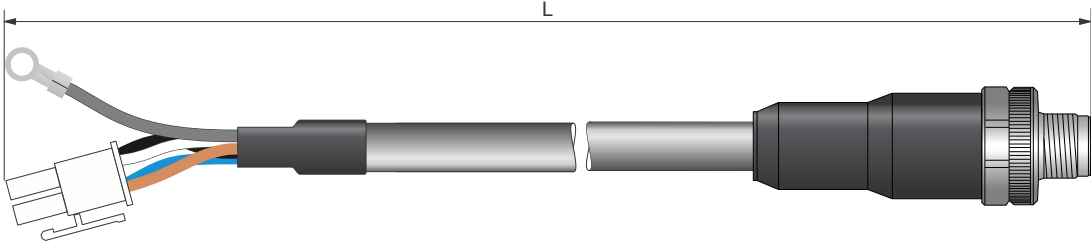
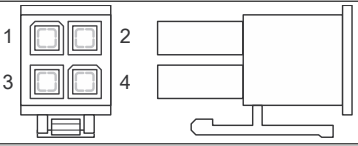
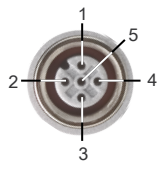

Order number	Short description	Figure
	<b>Motor cables M12</b>	
80CM00301.26-01	Motor cable, length 0.3 m, 5x 0.34 mm <sup>2</sup> , 4-pin male Molex connector on the motor side, M12 connector on the drive side, can be used in cable drag chains, UL listed	
80CM00501.26-01	Motor cable, length 0.5 m, 5x 0.34 mm <sup>2</sup> , 4-pin male Molex connector on the motor side, M12 connector on the drive side, can be used in cable drag chains, UL listed	
80CM00701.26-01	Motor cable, length 0.7 m, 5x 0.34 mm <sup>2</sup> , 4-pin male Molex connector on the motor side, M12 connector on the drive side, can be used in cable drag chains, UL listed	
80CM00801.26-01	Motor cable, length 0.8 m, 5x 0.34 mm <sup>2</sup> , 4-pin male Molex connector on the motor side, M12 connector on the drive side, can be used in cable drag chains, UL listed	
80CM01001.26-01	Motor cable, length 1 m, 5x 0.34 mm <sup>2</sup> , 4-pin male Molex connector on the motor side, M12 connector on the drive side, can be used in cable drag chains, UL listed	
80CM01101.26-01	Motor cable, length 1.1 m, 5x 0.34 mm <sup>2</sup> , 4-pin male Molex connector on the motor side, M12 connector on the drive side, can be used in cable drag chains, UL listed	
80CM01301.26-01	Motor cable, length 1.3 m, 5x 0.34 mm <sup>2</sup> , 4-pin male Molex connector on the motor side, M12 connector on the drive side, can be used in cable drag chains, UL listed	
80CM01401.26-01	Motor cable, length 1.4 m, 5x 0.34 mm <sup>2</sup> , 4-pin male Molex connector on the motor side, M12 connector on the drive side, can be used in cable drag chains, UL listed	
80CM01501.26-01	Motor cable, length 1.5 m, 5x 0.34 mm <sup>2</sup> , 4-pin male Molex connector on the motor side, M12 connector on the drive side, can be used in cable drag chains, UL listed	
80CM01701.26-01	Motor cable, length 1.7 m, 5x 0.34 mm <sup>2</sup> , 4-pin male Molex connector on the motor side, M12 connector on the drive side, can be used in cable drag chains, UL listed	
80CM02001.26-01	Motor cable, length 2 m, 5x 0.34 mm <sup>2</sup> , 4-pin male Molex connector on the motor side, M12 connector on the drive side, can be used in cable drag chains, UL listed	
80CM02501.26-01	Motor cable, length 2.5 m, 5x 0.34 mm <sup>2</sup> , 4-pin male Molex connector on the motor side, M12 connector on the drive side, can be used in cable drag chains, UL listed	
80CM02601.26-01	Motor cable, length 2.6 m, 5x 0.34 mm <sup>2</sup> , 4-pin male Molex connector on the motor side, M12 connector on the drive side, can be used in cable drag chains, UL listed	
80CM02901.26-01	Motor cable, length 2.9 m, 5x 0.34 mm <sup>2</sup> , 4-pin male Molex connector on the motor side, M12 connector on the drive side, can be used in cable drag chains, UL listed	
80CM04001.26-01	Motor cable, length 4 m, 5x 0.34 mm <sup>2</sup> , 4-pin male 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 <sup>2</sup> , 4-pin male Molex connector on the motor side, M12 connector on the drive side, can be used in cable drag chains, UL listed	
80CM05401.26-01	Motor cable, length 5.4 m, 5x 0.34 mm <sup>2</sup> , 4-pin male 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 <sup>2</sup> , 4-pin male Molex connector on the motor side, M12 connector on the drive side, can be used in cable drag chains, UL listed	

## 2 Technical data

<b>Product ID</b>	<b>80CMxxx01.26-01</b>
<b>General information</b>	
Cable cross section	5x 0.34 mm <sup>2</sup>
<b>Cable construction</b>	
Power lines	
Quantity	5
Wire insulation	PVC
Wire colors	Black, brown, blue, gray, white
Cross section	0.34 mm <sup>2</sup>
Shield	Yes
Stranding	Yes
Cable stranding	With filler elements and foil shield
Cable shield	Tinned copper braiding, optical coverage >85% and foil shield
Outer jacket	
Material	PUR/PVC
<b>Electrical properties</b>	
Nominal current	Max. 4 A / contact
Connection voltage	Max. 60 V AC/DC
<b>Ambient conditions</b>	
Temperature	
Moving	-10 to 70°C
Static	-20 to 90°C
<b>Mechanical properties</b>	
Dimensions	
Diameter	6.4 mm ±0.2 mm
Bend radius	≥10x outer diameter
Drag chain data	
Acceleration	5 m/s <sup>2</sup>
Flex cycles	Max. 2.5 million
Velocity	2 m/s

## 3 Wiring

### 3.1 Design

Dimensions				
				
Pinout				
4-pin terminal block	Pin	Name	Pin	M12 circular connector
	1	A\	2	
	2	B\	4	
	3	A	1	
	4	B	3	
Cable lug	Pin	Name	Pin	
	-	PE wire / Shield	5	

Cable lengths (L)	
Order number	Length [m]
80CM00301.26-01	0.3
80CM00501.26-01	0.5
80CM00701.26-01	0.7
80CM00801.26-01	0.8
80CM01001.26-01	1.0
80CM01101.26-01	1.1

Cable lengths (L)	
Order number	Length [m]
80CM01301.26-01	1.3
80CM01401.26-01	1.4
80CM01501.26-01	1.5
80CM01701.26-01	1.7
80CM02001.26-01	2.0
80CM02501.26-01	2.5

Cable lengths (L)	
Order number	Length [m]
80CM02601.26-01	2.6
80CM02901.26-01	2.9
80CM04001.26-01	4.0
80CM05001.26-01	5.0
80CM05401.26-01	5.4
80CM10001.26-01	10.0

### 3.2 Cable diagram

