



Part no.: 678064
CB-M12-50000E-8GF
Connection cable



Figure can vary

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Part no.: 678064 – CB-M12-50000E-8GF – Connection cable

Technical data

Electrical data	
Insulation grade	Category 1
Insulation grade	IEC 60644-1
Performance data	
Operating voltage	30 V AC/DC
Connection	
Connection 1	
Type of connection	Connector
Thread size	M12
Type	Female
Handle body material	PUR
No. of pins	8 -pin
Encoding	A-coded
Design	Axial
Operating current per contact	2 A
Lock	Screw fitting, nickel-plated diecast zinc, recommended torque 0.6 Nm, self-locking
Connection 2	
Type of connection	Open end
Cable properties	
Number of conductors	8 Piece(s)
Wire cross section	0.25 mm ²
AWG	24
Sheathing color	Black
Shielded	Yes
Silicone-free	Yes
Cable design	Connection cable (open on one end)
Cable diameter (external)	6.6 mm
Cable length	50,000 mm
Sheathing material	PUR
Wire insulation	PP
Traverse rate	Max. 3.3 m/s with horiz. traverse path of 5m and and max. acceleration of 5m/s ²
Suitability for drag chains	Yes
Properties of the outer sheathing	Free of CFC, cadmium, silicone, halogen and lead, matt, low-adhesion, abrasion-resistant, easily machine-processable
Resistance of the outer sheathing	Hydrolysis and microbe resistant, good oil, gasoline and chemical resistance in accordance with VDE 0472 part 803 test B, flame retardant in accordance with UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2
Torsion suitability	±30° / m (max. 2 mio. cycles with 35 cycles / min)
Mechanical data	
Width across flats	13 mm
Bending cycles	2,000,000 Piece(s)
Bending radius, flexible laying, min.	Min. 10 x cable diameter
Bending radius, stationary laying, min.	Min. 10 x cable diameter
Environmental data	

Part no.: 678064 – CB-M12-50000E-8GF – Connection cable

Ambient temperature, operation, flexible use	-20 ... 80 °C
Ambient temperature, operation, stationary use	-40 ... 80 °C

Certifications

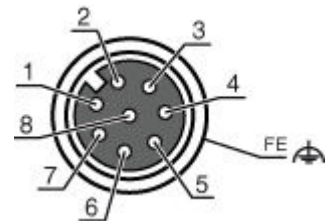
Classification

eCl@ss 8.0	27279218
eCl@ss 9.0	27060311
ETIM 5.0	EC001855

Electrical connection

Connection 1	
Type of connection	Connector
Thread size	M12
Type	Female
Handle body material	PUR
No. of pins	8 -pin
Encoding	A-coded
Design	Axial
Operating current per contact	2 A
Lock	Screw fitting, nickel-plated diecast zinc, recommended torque 0.6 Nm, self-locking


Pin	Conductor color
1	White
2	Brown
3	Green
4	Yellow
5	Gray
6	Pink
7	Blue
8	Red



Connection 2	
Type of connection	Open end

Accessories

General

	Part no.	Designation	Article	Description
	50132266	TT-Set 0,6-13	Tool	Type: Torque key Width across flats: 13 mm Torque: 0.6 N·m Material: Plastic, Stainless steel Ambient temperature: -40 ... 120 °C