



1) Cable length see text, 2) Connector included



Basic features

Approval/Conformity	CE
	EAC
	WEEE

Electrical connection

Bending radius min., fixed cable	5 x D
Bending radius min., flexible cable	10 x D
Cable	PUR Shielded black, 5.00 m, Drag chain compatible
Cable diameter D	6.70 mm ±0.30 mm
Cable, bending cycles min.	2 million
Conductor cross-section	0.25 mm ²
Connection 1	M12x1-Female, straight, 8-pin, A- coded
Connection 2	M12x1-Male, straight, 8-pin, A- coded
Number of conductors	8
System	Molded/Molded

Electrical data

Conductor construction	4x2 twisted-pair
Operating voltage Ub	30 VDC / 30 VAC
Rated current (40 °C)	2.0 A

Environmental conditions

Cable temperature, drag chain	-25...60 °C
Cable temperature, fixed routing	-50...80 °C
Cable temperature, flexible routing	-25...80 °C
Protection degree	IP67/IP67

Material

Cable jacket material, note	Shielded
Cable jacket, material	PUR
Cable shield	Copper braid, tin-plated
Material contacts	Bronze/Brass

Mechanical data

Acceleration max., drag chain	5 m/s ²
Cable jacket, color	black
Cable length L	5.00 m
Cable properties	Drag chain compatible
Horizontal travel permitted, drag chain	5 m
Tightening torque pigtail	0.6 Nm/0.6 Nm
Traverse speed max., drag chain	200 m/min
Vertical travel permitted, drag chain	2 m

Double-Ended Cordsets
BIS Z-501-PU1-05/E
Order Code: BCC00R9

BALLUFF

Remarks

Cable construction acc. to UL-AWM Style 20549

Halogen-free per DIN VDE 0472 Part 815

Silicone-free

Flame resistance per UL FT2

Enclosure rating per IEC 60529, only in screwed state with the associated mating piece.

1x M12 coupling 8-conductor molded, straight with open cable end plus included 1x M12 connector 8-conductor, straight, for user assembly

Connection cable: For all BIS L/M/S-3xx read/write heads with 8-pin connector for connecting to BIS L/M/S-6xxx and BIS M-407. Cable can be trimmed to required length.