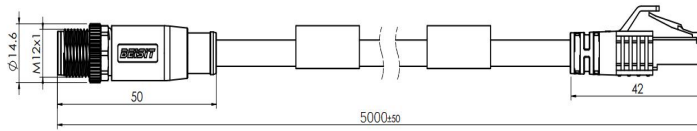# Industrial Ethernet Cable – Extension Cable，M12 D-Code，Male，RJ45 4pin，Shielding

Typecode   M12D04CZM1ZRJ45U050E31
ID   1006050000240
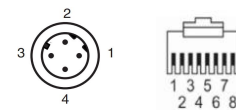
Technical Data*

连接器 A

Connector	M12, Male, D-Code, Straight
Number of pins	4
Contacts	Brass, Gold-plated
Coupling nut/screw	Zinc, Nickel-plated
Contact carriers	PA
Seal	No
Connector body	PUR, black
LED	No
Mechanical lifespan	≥100 Mating cycles
Protection class	IP67, Only in screwed condition
Locking mode	Screw, M12 x 1
Standard	IEC 61076-2

Connector B

Connector	RJ45
Number of pins	4
Contacts	Brass, Gold-plated
Contact carriers	PC
Connection mode	IDC
Mechanical lifespan	≥750 Mating cycles
Protection class	IP20
Locking mode	Snap-in
Transfer rate	100 Mbit/s

Features

■ RJ45，4Pin
■ M12×1 Male，4Pin
■ Cable jacket：Green, PUR
■ Resistant to chemicals and oils
■ Resistant to salt spray
■ Resistance to welding sparks
■ Resistant to abrasion
■ Suitable for drag chain use
■ Approval: CE
■ RoHS-compliant
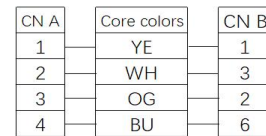■ Cable diameter：5 m

Contact assignment

Technical Data^{*}

Cable

Cable length	Ø 6.70 mm ± 0.30 mm
Cable diameter	5 m
Cable jacket	PUR, Green
Core insulation	PVC
Core cross-section	4 x 0.34 mm²
Shielding	Yes
Core colors	YE, WH, OG, BU

Electrical properties

Connector rated voltage	72 V
Connector rated current	1.5 A
Overvoltage category	I
Pollution degree	II
Transport category	CAT 5E

Mechanical and chemical properties

Bending radius (stationary installation)	8 x OD
Bending radius (fiexible use)	15 x OD
Bending cycles	≥ 1 Mio.

Operation temperature

Ambient temperature range (stationary)	-40 ℃ ⋯ +80 ℃
Ambient temperature range (in motion)	-5 ℃ ⋯ +80 ℃

Commercial data

Country of origin	CN
Packaging unit	1 pc

Connection diagram

CN A	Core colors	CN B
1	YE	1
2	WH	3
3	OG	2
4	BU	6

* Please note that the data specified here were design data, and the parameters of product are subject to changes without prior notice. Matters not mentioned herein. Please contact customer

   service. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application.