

6

5

4

3

2

1

F

E

D

C

B

A

F

E

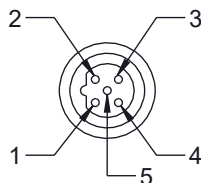
D

C

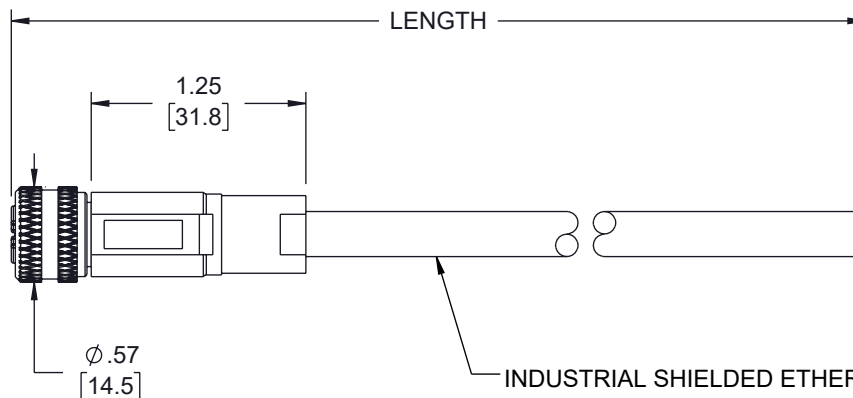
B

A

REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	01/15/2025	HBAKKE	GUTTADAURO



P1
M12 FEMALE
B-CODING
5 POSITION



INDUSTRIAL SHIELDED ETHERNET CABLE
2C*23AWG(19/0.135±0.008BC)+MYLAR+PVC+AL+B(128/0.10TC)
OD: Ø8.0±0.2mm, JACKET: PUR, PURPLE

NOTES:

- CABLE CHARACTERISTICS:
OPERATING VOLTAGE: 250V AC/DC
CONTACT RESISTANCE: 30mΩ MAX
OPERATING CURRENT PER CONTACT: 4A MAX
BENDING RADIUS (MOBILE): 120mm MIN
BENDING RADIUS (FIXED): 80mm MIN
TORSION SUPPORTED
TEMPERATURE RANGE (MOBILE): -25°C TO +70°C
TEMPERATURE RANGE (FIXED): -25°C TO +80°C
DRAGCHAIN CAPABLE: 5,000,000 TIMES
- CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.
- CABLE ASSEMBLY SHALL BE INDIVIDUALLY PACKAGED.

REGULATORY COMPLIANCE:
EU RoHS DIRECTIVE (MOST RECENT RELEASED VERSION).

CONNECTION DIAGRAM

P1	OPEN
1	
2	GREEN
3	
4	RED
5	
S	S

ITEM NUMBER	LENGTH [TOL.]	
	METERS [mm]	FEET [IN]
M12B505-P3P-1M	1.0 [+35/-20]	3.28 [+1.38/- .79]
M12B505-P3P-5M	5.0 [±60]	16.40 [±2.36]

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

6

5

4

3

2

1

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS	
TOLERANCES:	
X = ±.2 [5]	FRACTIONS ± 1/32
.XX = ±.02 [0.5]	ANGLES ± 1°
.XXX = ±.005 [0.13]	
CABLE LENGTH TOLERANCES:	
≤12 [305] = +1 [25] / -0	
>12 [305] ≤ 60 [1524] = +2 [51] / -0	
>60 [1524] ≤ 120 [3048] = +4 [102] / -0	
>120 [3048] ≤ 300 [7620] = +6 [152] / -0	
>300 [7620] = +5% / -0	
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE. UN-DIMENSIONED/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION COLORS MAY VARY	

Show Me
CABLES
an INFINIT® brand

Website: www.ShowMeCables.com
Phone: 1.888.519.9505



INTERPRET ALL DIMENSIONS AND
TOLERANCES PER ASME Y14.5

SCALE	SHEET
NONE	1 OF 1

DESCRIPTION
IP68 M12 5 POSITION B-CODE FEMALE TO OPEN, INDUSTRIAL
DRAG CHAIN PUR, 23AWG, PURPLE

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3SVT8	HBAKKE	M12B505-P3P	A