

6

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E

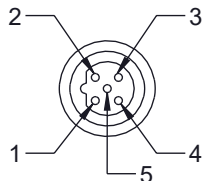
D

C

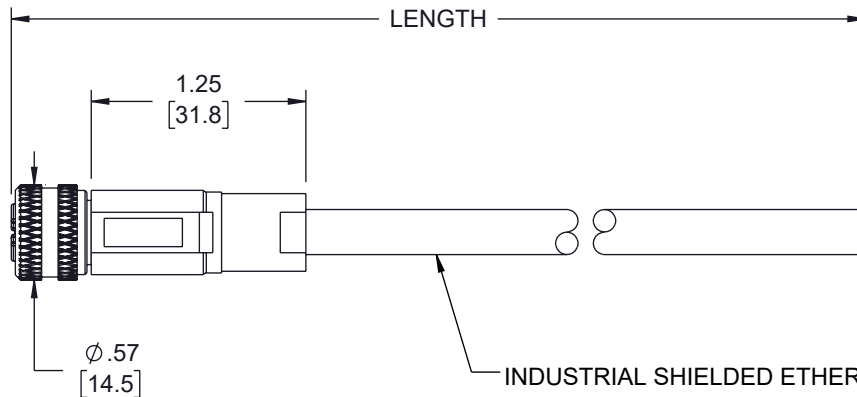
B

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]
TRGB505-P3P-1M	1.0 [+35/-20]	3.28 [+1.38/- .79]
TRGB505-P3P-5M	5.0 [±60]	16.40 [±2.36]

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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

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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	43321	HBAKKE	TRGB505-P3P	A