

6

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## REVISION

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

F

E

D

C

B

A

F

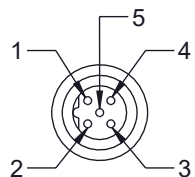
E

D

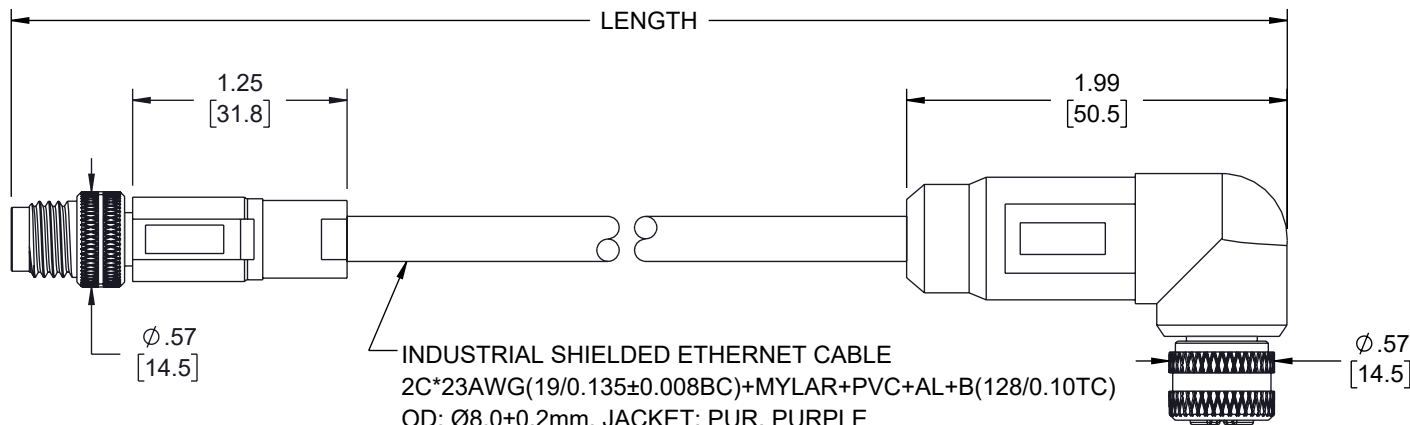
C

B

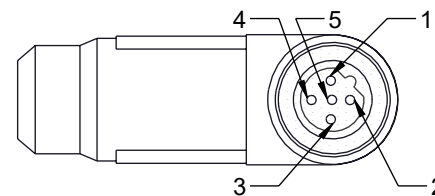
A



P1  
M12 MALE  
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



P2  
M12 FEMALE  
RIGHT ANGLE  
B-CODING  
5 POSITION

CONNECTION  
DIAGRAM

P1	P2
1	1
2	2 GREEN
3	3
4	4 RED
5	5
S	S

## 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).

ITEM NUMBER	LENGTH [TOL.]	
	METERS [mm]	FEET [IN]
TRGB508-P3P-1M	1.0 [+35/-20]	3.28 [+1.38/- .79]
TRGB508-P3P-5M	5.0 [±60]	16.40 [±2.36]

UNLESS OTHERWISE SPECIFIED  
LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:  
X = ±.2 [5] FRACTIONS  
XX = ±.02 [0.5] ± 1/32  
XXX = ±.005 [0.13] ANGLES ± 1°

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 NONE SHEET 1 OF 1

## DESCRIPTION

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

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	HBAKKE	TRGB508-P3P	A

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