

6

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REVISION

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

F

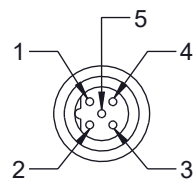
E

D

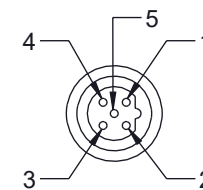
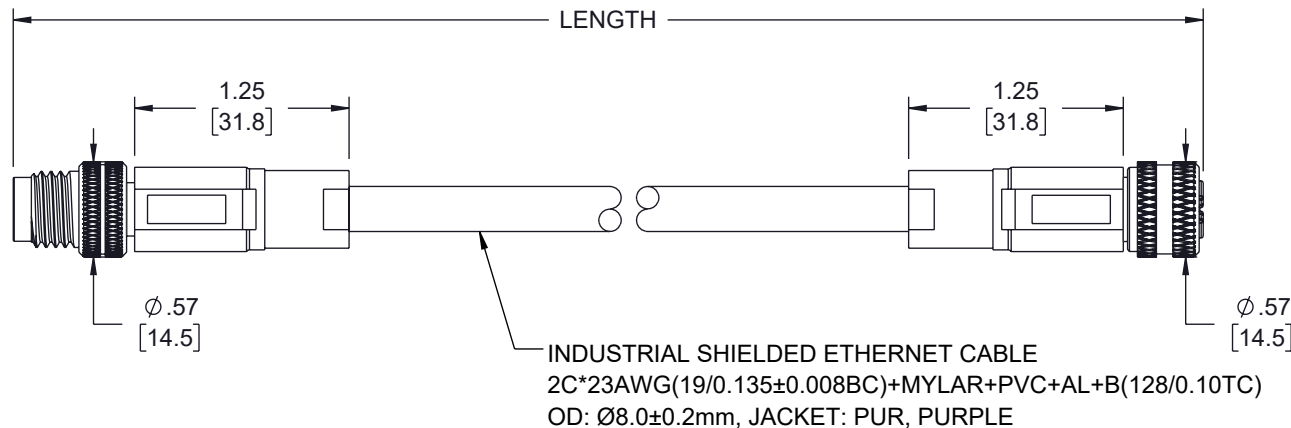
C

B

A



P1
M12 MALE
B-CODING
5 POSITION



P2
M12 FEMALE
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).

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CONNECTION
DIAGRAM

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

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ITEM NUMBER	LENGTH [TOL.]	
	METERS [mm]	FEET [IN]
TRGB502-P3P-1M	1.0 [+35/-20]	3.28 [+1.38/- .79]
TRGB502-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 SHEET
NONE 1 OF 1

DESCRIPTION

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

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	HBAKKE	TRGB502-P3P	A