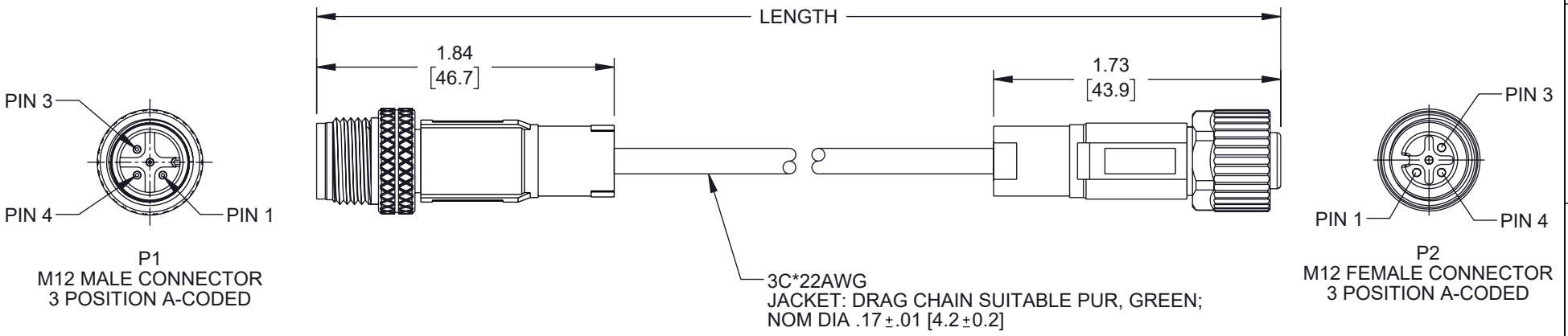
REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	B	UPDATED PER ECO-14008	11/14/2024	HBAKKE	GUTTADAURO



P1
M12 MALE CONNECTOR
3 POSITION A-CODED

P2
M12 FEMALE CONNECTOR
3 POSITION A-CODED

NOTES:

ELECTRICAL:
- NOMINAL VOLTAGE: 300V
- OPERATING VOLTAGE: 60VDC
- OPERATING CURRENT PER CONTACT: 0.5A MAX.

APPLICATION:
- INGRESS PROTECTION RATING IS IP67 (MATED)
- RECOMMENDED TORQUE VALUE: 0.6Nm
- BEND RADIUS FIXED: 33.6mm
- BEND RADIUS MOBILE: 63mm
- TORSION STRESS: ±180°/meter.

ENVIRONMENTAL:
- TEMPERATURE RANGE FIXED: -25°C TO +80°C
- TEMPERATURE RANGE MOBILE: -25°C TO +70°C
- CABLE JACKET RESISTANCE: OIL
- CABLE JACKET FLAME RATING: HB (UL 94).

MISCELLANEOUS
- CABLE ASSEMBLY TO BE TESTED FOR CONTINUITY
- CABLE ASSEMBLY SHALL BE INDIVIDUALLY PACKAGED.

P1	WIRE MAP	P1
BROWN 1		1 BROWN
BLUE 3		3 BLUE
BLACK 4		4 BLACK

ITEM NO	LENGTH [TOL.]	
	METERS [mm]	FEET [IN]
TRGA302-P2N-05M	0.5 [+35/-15]	1.64 [+1.38/-.59]
TRGA302-P2N-1M	1 [+35/-20]	3.28 [+1.38/-.79]
TRGA302-P2N-2M	2 [+35/-30]	6.56 [+1.38/-1.18]
TRGA302-P2N-3M	3 [+35/-30]	9.84 [+1.38/-1.18]
TRGA302-P2N-5M	5 [±60]	16.40 [±2.36]
TRGA302-P2N-10M	10 [±80]	32.81 [±3.15]
TRGA302-P2N-15M	15 [±80]	49.21 [±3.15]

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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
M12 3 POLE A CODE, 22AWG, PUR, MF, GRN

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	DZINN	TRGA302-P2N	B

LC LG Rev-D5 Asize