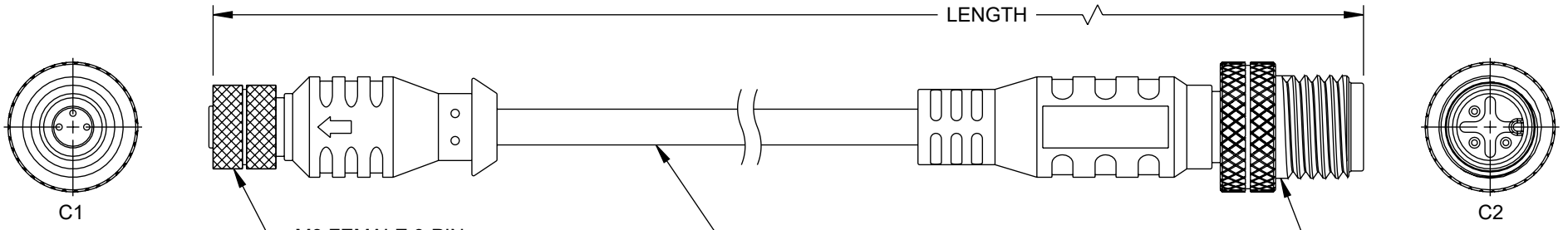
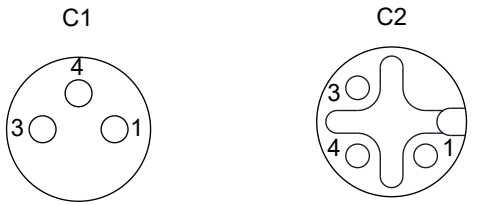
REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	B	ECO-13357	04/08/2024	AKRESOWSKI	DGUST





PIN ASSIGNMENTS
FRONT VIEW

PIN ASSIGNMENTS
FRONT VIEW

NOTES:

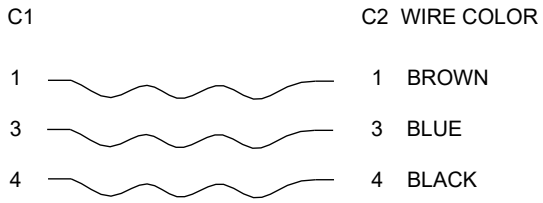
ELECTRICAL:
- NOMINAL VOLTAGE: 300V
- OPERATING VOLTAGE: 60V DC MAX.
- OPERATING CURRENT PER CONTACT: 0.5A MAX.

APPLICATION:
- INGRESS PROTECTION RATING IS IP67 (MATED)
- RECOMMENDED TORQUE VALUE: 0.6Nm
- BEND RADIUS FIXED: 32.8mm MIN.
- BEND RADIUS MOBILE: 61.5mm MIN.
- 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.

WIRING MAP



ITEM NUMBER	LENGTH METERS [FEET]	TOLERANCE INCH [mm]
TR8GA321-P4L-05M	0.5 [1.64]	+ 1.38 [35] - 0.59 [15]
TR8GA321-P4L-1M	1.0 [3.28]	+ 1.38 [35] - 0.79 [20]
TR8GA321-P4L-2M	2.0 [6.56]	+ 1.38 [35] - 1.18 [30]
TR8GA321-P4L-3M	3.0 [9.84]	+ 1.38 [35] - 1.18 [30]
TR8GA321-P4L-5M	5.0 [16.4]	±2.36 [±60]
TR8GA321-P4L-10M	10.0 [32.8]	±2.36 [±60]
TR8GA321-P4L-15M	15.0 [49.2]	±3.15 [±80]

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
M8 3-POSITION FEMALE TO M12 3-POSITION MALE, IP67 A-CODE CABLE ASSEMBLY, UNSHIELDED 24AWG PUR JACKET, BLUE

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	VTHANGARAJ	TR8GA321-P4L	B

LC LG Rev-D5 Asize