

6

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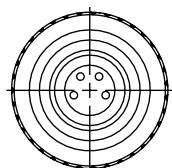
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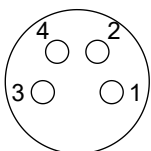
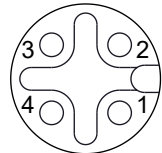
REVISION

ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	B	ECO-13357	04/09/2024	AKRESOWSKI	DGUST



C1

C1

PIN ASSIGNMENTS
FRONT VIEWPIN 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: 0.6 Nm
- BEND RADIUS FIXED: 36 mm MIN.
- BEND RADIUS MOBILE: 67.5 mm MIN.
- TORSION STRESS: $\pm 180^\circ$ /meter.

ENVIRONMENTAL:

- TEMPERATURE RANGE FIXED: -25°C TO $+80^\circ\text{C}$
- TEMPERATURE RANGE MOBILE: -25°C TO $+70^\circ\text{C}$
- 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.

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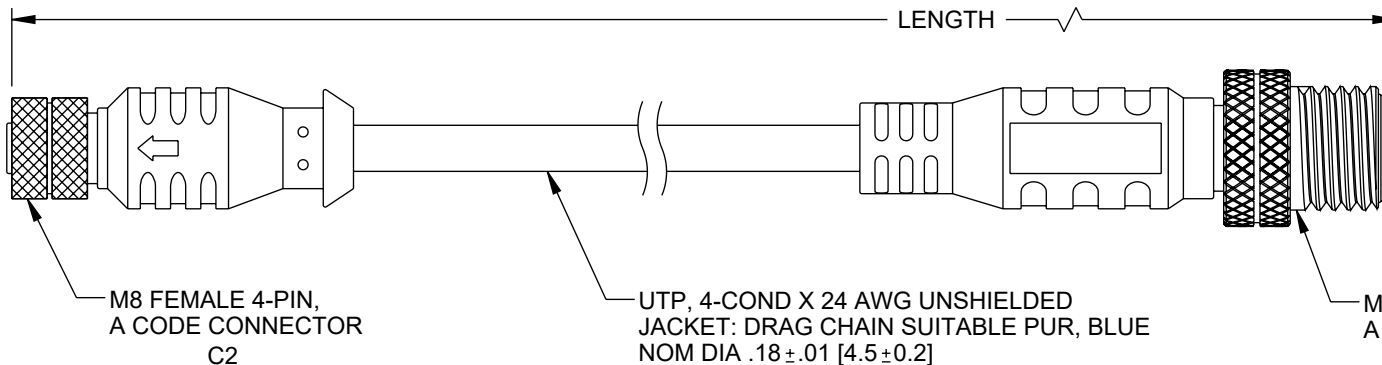
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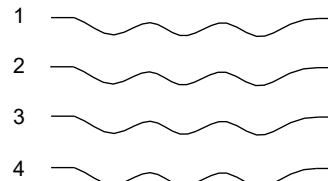
LENGTH



UTP, 4-COND X 24 AWG UNSHIELDED
JACKET: DRAG CHAIN SUITABLE PUR, BLUE
NOM DIA .18 $\pm$.01 [4.5 $\pm$ 0.2]

WIRING MAP

C1



C2 WIRE COLOR

- 1 BROWN
- 2 WHITE
- 3 BLUE
- 4 BLACK

ITEM NUMBER	LENGTH METERS [FEET]	TOLERANCE INCH [mm]
TR8GA421-P4L-05M	0.5 [1.64]	+ 1.38 [35] - 0.59 [15]
TR8GA421-P4L-1M	1.0 [3.28]	+ 1.38 [35] - 0.79 [20]
TR8GA421-P4L-2M	2.0 [6.56]	+ 1.38 [35] - 1.18 [30]
TR8GA421-P4L-3M	3.0 [9.84]	+ 1.38 [35] - 1.18 [30]
TR8GA421-P4L-5M	5.0 [16.4]	± 2.36 [± 60]
TR8GA421-P4L-10M	10.0 [32.8]	± 2.36 [± 60]
TR8GA421-P4L-15M	15.0 [49.2]	± 3.15 [± 80]

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

TOLERANCES:
X = ± 2 [5]
XX = ± 0.02 [0.5]
XXX = ± 0.005 [0.13]
FRACTIONS
 $\pm 1/32$
ANGLES $\pm 1^\circ$

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] = $\pm 5\%$ / -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

M8 4-POSITION FEMALE TO M12 4-POSITION MALE IP67 A-CODE
CABLE ASSEMBLY, UNSHIELDED 24AWG PUR JACKET, BLUE

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	VTHANGARAJ	TR8GA421-P4L	B