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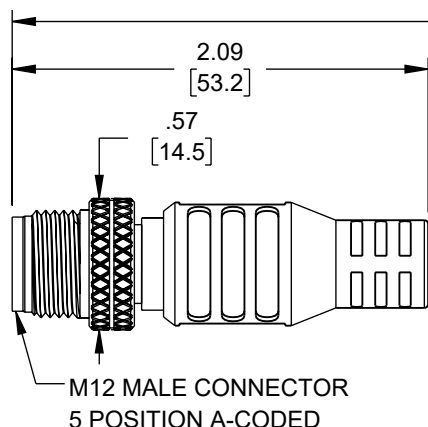
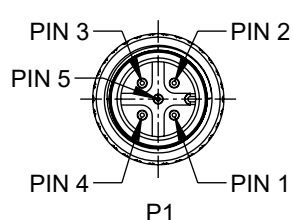
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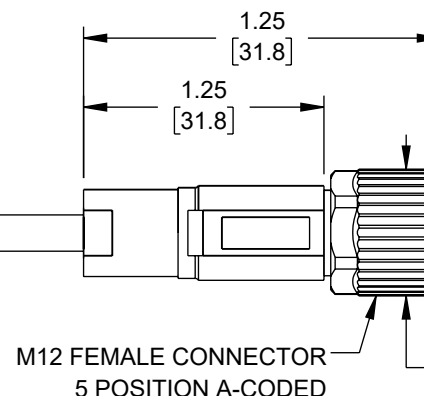
REVISION

ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	B	UPDATED PER ECO-13673	06/25/2024	HBAKKE	DGUST

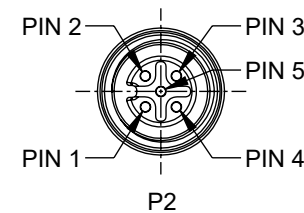


M12 MALE CONNECTOR
5 POSITION A-CODED

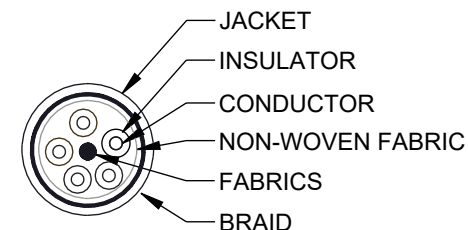
LENGTH



M12 FEMALE CONNECTOR
5 POSITION A-CODED



5C*22AWG, SHIELDED
JACKET: DRAG CHAIN SUITABLE PUR;
NOM DIA .201 ±.01 [5.1 ±0.2]
COLOR: GREEN



NOTES:

ELECTRICAL:

- NOMINAL VOLTAGE: 300 V.
- OPERATING VOLTAGE: 60 V DC/AC MAX.
- OPERATING CURRENT PER CONTACT: 4 A MAX.

APPLICATION:

- INGRESS PROTECTION RATING IS IP67 (MATED)
- RECOMMENDED TORQUE VALUE: 0.6 Nm
- BEND RADIUS FIXED: 40.8 mm MIN.
- BEND RADIUS MOBILE: 76.5 mm MIN.

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.

REGULATORY COMPLIANCE:

EU RoHS DIRECTIVE (MOST RECENTLY RELEASED VERSION).

P1	WIRE MAP	P2
BROWN 1	—————	1 BROWN
WHITE 2	—————	2 WHITE
BLUE 3	—————	3 BLUE
BLACK 4	—————	4 BLACK
GRAY 5	—————	5 GRAY
S	—————	S

ITEM NO	LENGTH [TOL.]	
	METERS [mm]	FEET [IN]
M12A502S-P2N-05M	0.5 [+35/-15]	1.64 [+1.38/-.59]
M12A502S-P2N-1M	1 [+35/-20]	3.28 [+1.38/-.79]
M12A502S-P2N-2M	2 [+35/-30]	6.56 [+1.38/-1.18]
M12A502S-P2N-3M	3 [+35/-30]	9.84 [+1.38/-1.18]
M12A502S-P2N-5M	5 [±60]	16.40 [±2.36]
M12A502S-P2N-10M	10 [±80]	32.81 [±3.15]
M12A502S-P2N-15M	15 [±80]	49.21 [±3.15]

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
M12 5 POLE A CODE, 22AWG, SHD PUR, MF, GRN

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3SVT8	KGLEBOVA	M12A502S-P2N	B

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