

6

5

4

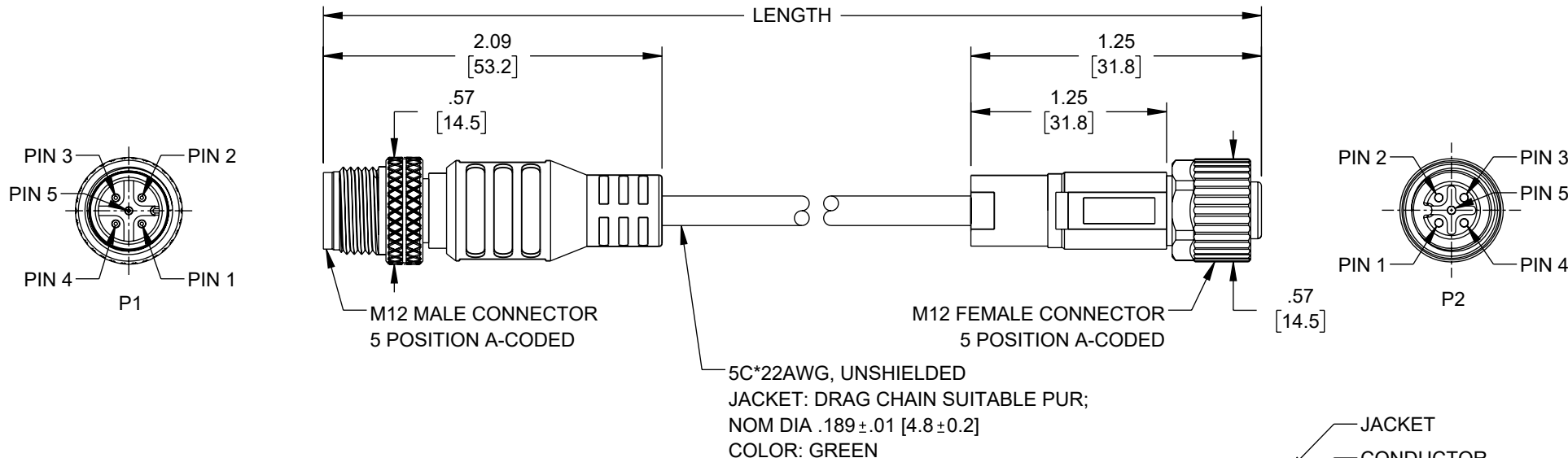
3

2

1

REVISION

ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	B	ECO-13663	07/08/2024	KGLEBOVA	GUTTADAURO



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: 38.4 mm MIN.
- BEND RADIUS MOBILE: 72 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

ITEM NO	LENGTH [TOL.]	
	METERS [mm]	FEET [IN]
M12A502-P2N-05M	0.5 [+35/-15]	1.64 [+1.38/- .59]
M12A502-P2N-1M	1 [+35/-20]	3.28 [+1.38/- .79]
M12A502-P2N-2M	2 [+35/-30]	6.56 [+1.38/-1.18]
M12A502-P2N-3M	3 [+35/-30]	9.84 [+1.38/-1.18]
M12A502-P2N-5M	5 [±60]	16.40 [±2.36]
M12A502-P2N-10M	10 [±80]	32.81 [±3.15]
M12A502-P2N-15M	15 [±80]	49.21 [±3.15]

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

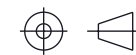
TOLERANCES:
X = ±.2 [5] FRACTIONS
.XX = ±.02 [0.5] ± 1/32
.XXX = ±.005 [0.13] ANGLES ± 1°

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

Show Me
CABLES
an INFINITO brand

Website: www.ShowMeCables.com
Phone: 1.888.519.9505



INTERPRET ALL DIMENSIONS AND
TOLERANCES PER ASME Y14.5

SCALE NONE SHEET 1 OF 1

DESCRIPTION
IP67 WATERPROOF M12 5 POSITION A-CODE SENSOR
ACTUATOR SIGNAL CABLE, INDUSTRIAL DRAG CHAIN PUR,
22AWG, MALE TO FEMALE, GREEN

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3SVT8	KGLEBOVA	M12A502-P2N	B

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

6

5

4

3

2

1