

6

5

4

3

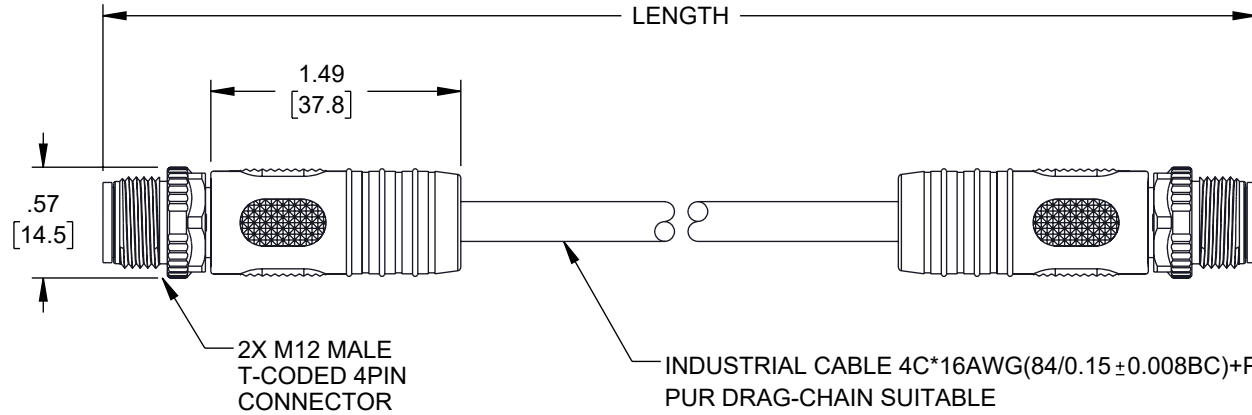
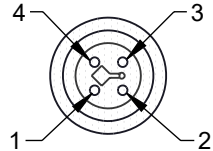
2

1

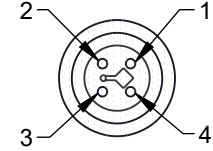
## REVISION

| ZONE | REV | DESCRIPTION     | DATE       | CHANGED BY | APPROVED    |
|------|-----|-----------------|------------|------------|-------------|
|      | A   | INITIAL RELEASE | 01/20/2025 | DMAY       | DGUTTADAURO |

P1



P2

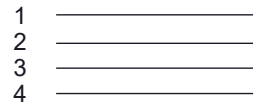


## NOTES:

- ELECTRICAL:**  
OPERATING VOLTAGE: 63V DC  
CONTACT RESISTANCE: 30 mOHM MAX  
OPERATING CURRENT PER CONTACT: 12A MAX
- APPLICATION:**  
INGRESS PROTECTION RATING IS IP67 (MATED)  
RECOMMENDED TORQUE VALUE: 0.6 Nm  
BEND RADIUS FIXED: MIN.8 X OUTER DIAMETER  
BEND RADIUS MOBILE: MIN.15 X OUTER DIAMETER  
TORSION SUPPORTED: 500,000 TIMES  
DRAGCHAIN CAPABLE: 3,000,000 TIMES
- 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.

## CONNECTION DIAGRAM

P1



P2



| ITEM NUMBER     | LENGTH [TOL.] |                    |
|-----------------|---------------|--------------------|
|                 | METERS [mm]   | FEET [in]          |
| M12T401S-P6B-1M | 1.0 [+35/-20] | 3.28 [+1.38/- .79] |
| M12T401S-P6B-5M | 5.0 [±60]     | 16.40 [±2.36]      |

## REGULATORY COMPLIANCE:

EU RoHS DIRECTIVE (MOST RECENT RELEASED VERSION)

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.

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°

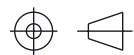
CABLE LENGTH TOLERANCES:  
≤12 [305] = +1 [25] / -0  
>12 [305] ≤ 60 [1524] = +2 [51] / -0  
>60 [1524] ≤ 120 [3048] = +4 [102] / -0  
>120 [3048] ≤ 300 [7620] = +6 [152] / -0  
>300 [7620] = +5% / -0

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 INFINITE® brand

Website: [www.ShowMeCables.com](http://www.ShowMeCables.com)  
Phone: 1.888.519.9505



INTERPRET ALL DIMENSIONS AND  
TOLERANCES PER ASME Y14.5

SCALE NONE SHEET 1 OF 1

DESCRIPTION  
M12 4 POSITION IP67 T-CODE DC POWER SHIELDED CABLE  
ASSEMBLY, 16AWG 60V 12A, INDUSTRIAL DRAG CHAIN PUR  
JACKET, MALE TO MALE, BLACK

| SIZE | CAGE CODE | DRAWN BY | ITEM NO.     | REV |
|------|-----------|----------|--------------|-----|
| A    | 3SVT8     | DMAY     | M12T401S-P6B | A   |

6

5

4

3

2

1