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## REVISION

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

F

E

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C

B

A

F

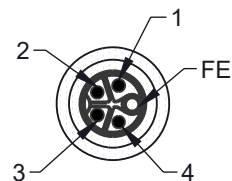
E

D

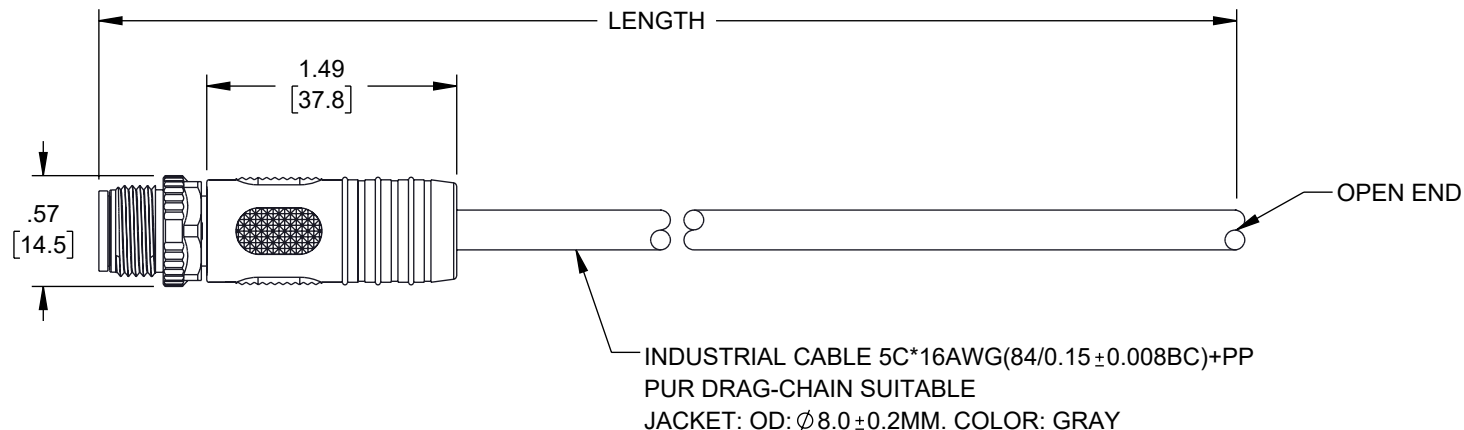
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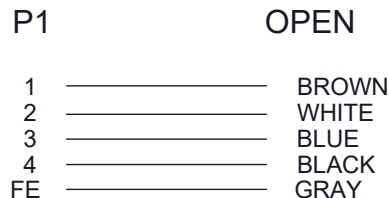
**P1**  
M12 MALE  
K-CODED 5PIN  
CONNECTOR



## NOTES:

- ELECTRICAL:**  
OPERATING VOLTAGE: 300V AC  
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



| ITEM NUMBER     | LENGTH [TOL.] |                    |
|-----------------|---------------|--------------------|
|                 | METERS [mm]   | FEET [in]          |
| M12K504S-P6G-1M | 1.0 [+35/-20] | 3.28 [+1.38/- .79] |
| M12K504S-P6G-5M | 5.0 [±60]     | 16.40 [±2.36]      |

## REGULATORY COMPLIANCE:

EU RoHS DIRECTIVE (MOST RECENT RELEASED VERSION)

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

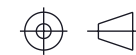
TOLERANCES:  
X = ±.2 [5]      FRACTIONS  
XX = ±.02 [0.5]      ± 1/32  
XXX = ±.005 [0.13]      ANGLES ± 1°

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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an INFINIT® brand

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Phone: 1.888.519.9505



INTERPRET ALL DIMENSIONS AND  
TOLERANCES PER ASME Y14.5

SCALE      SHEET  
NONE      1 OF 1

## DESCRIPTION

M12 5 POSITION IP67 K-CODE AC POWER SHIELDED PIGTAIL  
CABLE ASSEMBLY, 16AWG 600V 16A, INDUSTRIAL DRAG CHAIN  
PUR, MALE TO OPEN, GRAY

| SIZE | CAGE CODE | DRAWN BY | ITEM NO.     | REV |
|------|-----------|----------|--------------|-----|
| A    | 3SVT8     | DMAY     | M12K504S-P6G | A   |

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