

6

5

4

3

2

1

REVISION

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

F

E

D

C

B

A

F

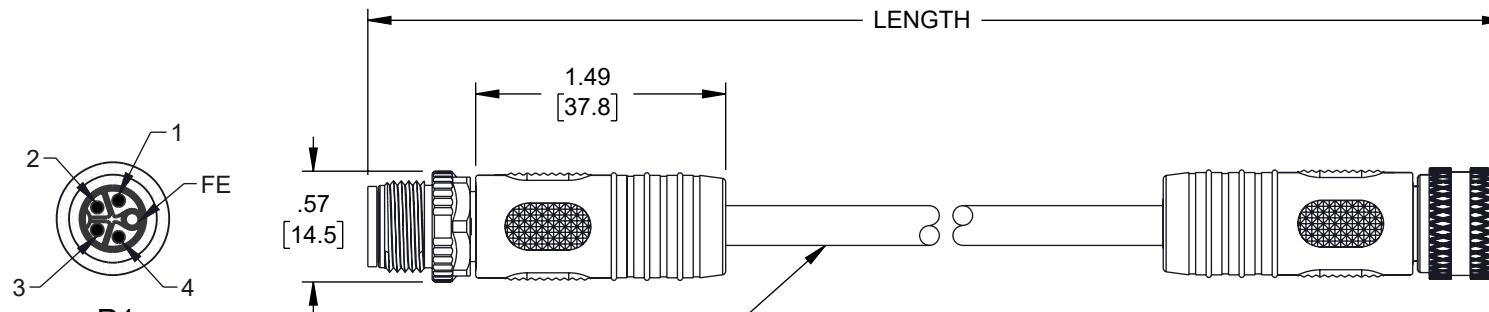
E

D

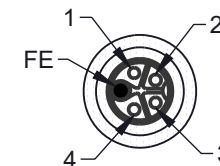
C

B

A



P1
M12 MALE
K-CODED 5PIN
CONNECTOR



P2
M12 FEMALE
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.

REGULATORY COMPLIANCE:
EU RoHS DIRECTIVE (MOST RECENT RELEASED VERSION)

CONNECTION DIAGRAM

P1

1 _____
2 _____
3 _____
4 _____
FE _____

P2

1 BROWN
2 WHITE
3 BLUE
4 BLACK
FE GRAY

ITEM NUMBER	LENGTH [TOL.]	
	METERS [mm]	FEET [in]
TRGK502S-P6G-1M	1.0 [+35/-20]	3.28 [+1.38/- .79]
TRGK502S-P6G-5M	5.0 [±60]	16.40 [±2.36]

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

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

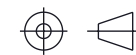
TOLERANCES:
X = ±.2 [5] FRACTIONS
.XX = ±.02 [0.5] ± 1/32
.XXX = ±.005 [0.13] ANGLES ± 1°

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

L-com®
an INFINIT® brand

Website: www.L-com.com
Phone: 1.800.341.5266 | 1.978.682.6936



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 CABLE
ASSEMBLY, 16AWG 600V 16A, INDUSTRIAL DRAG CHAIN PUR
JACKET, MALE TO FEMALE, GRAY

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	DMAY	TRGK502S-P6G	A