

6

5

4

3

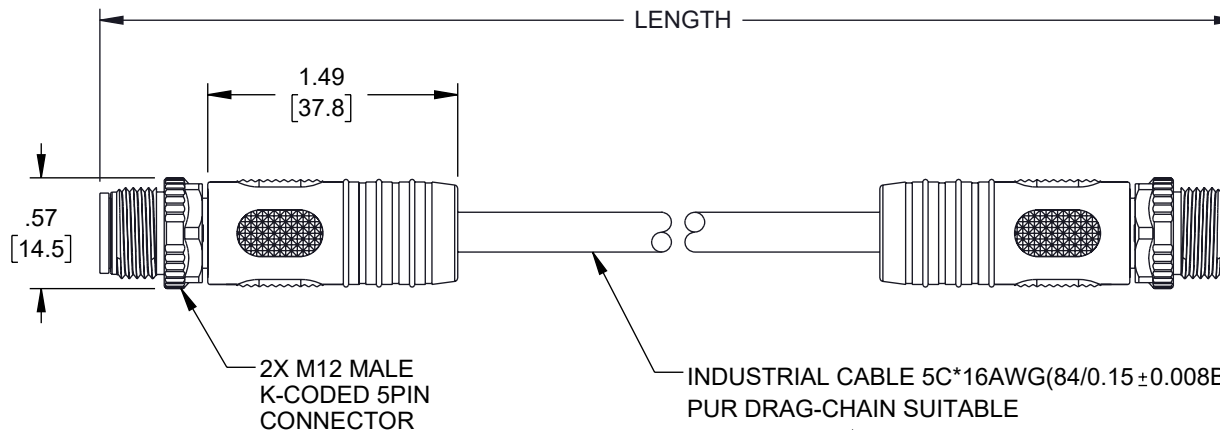
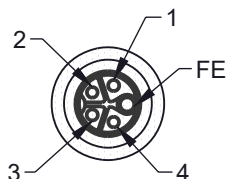
2

1

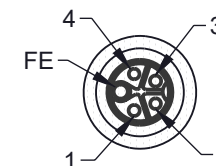
## REVISION

ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	1/20/2025	DMAY	DGUTTADAURO

P1



P2

2X M12 MALE  
K-CODED 5PIN  
CONNECTORINDUSTRIAL CABLE 5C\*16AWG(84/0.15±0.008BC)+PP  
PUR DRAG-CHAIN SUITABLE  
JACKET: OD: Ø8.0±0.2MM. COLOR: GRAY

## 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

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]
TRGK501S-P6G-1M	1.0 [+35/-20]	3.28 [+1.38/- .79]
TRGK501S-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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INTERPRET ALL DIMENSIONS AND  
TOLERANCES PER ASME Y14.5

SCALE NONE SHEET 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 MALE, GRAY

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	DMAY	TRGK501S-P6G	A

6

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4

3

2

1