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REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	D	ECO-15404	01/16/2026	HBAKKE	DGUST

F

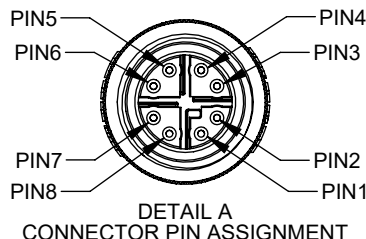
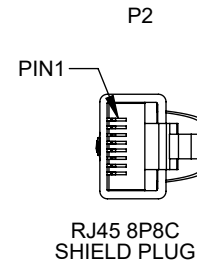
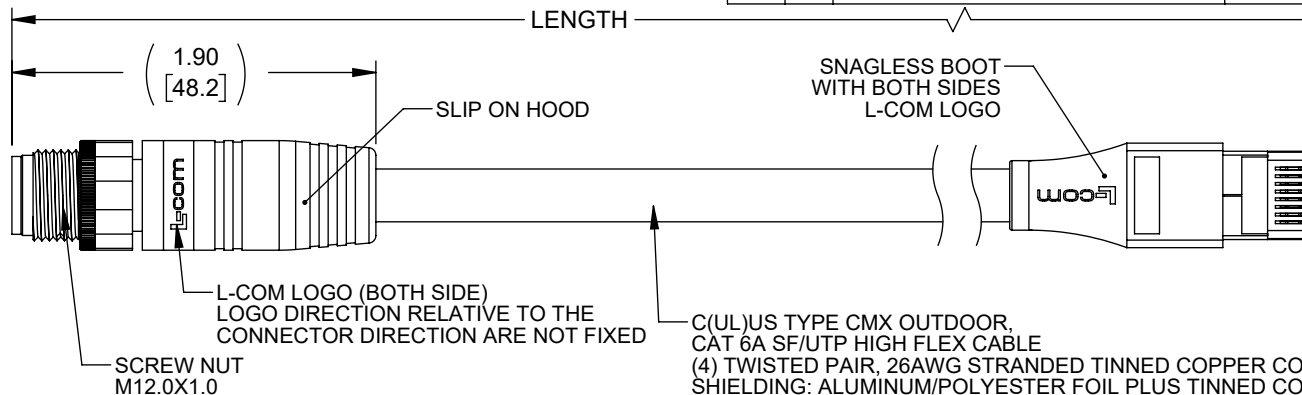
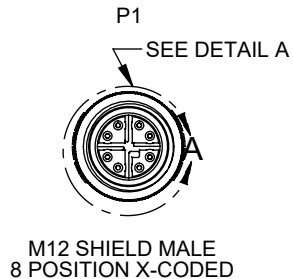
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## NOTES

## MATERIAL:

SLIP ON HOOD: THERMOPLASTIC POLYURETHANE, BLACK  
M12 INSULATOR: NYLON, BLACK  
M12 SHELL/SCREW NUT: BRASS, NICKEL PLATE  
M12 CONTACTS: PHOSPHOR BRONZE, 15μ" MIN. GOLD PLATE  
SNAGLESS BOOT: LOW SMOKE ZERO HALOGEN, BLACK  
RJ45 HOUSING: POLYCARBONATE, CLEAR UL94V-0  
RJ45 SHIELD/STRAIN RELIEF: BRASS, NICKEL PLATE  
RJ45 CONTACTS: PHOSPHOR BRONZE, 50μ" MIN. GOLD PLATE IN CONTACT AREA OVER NICKEL PLATE OVERALL

## ELECTRICAL:

NOMINAL VOLTAGE RATING: 48 VAC/VDC  
MAX CURRENT: 0.5A

## APPLICATION:

INGRESS PROTECTION RATING IS IP67 (MATED, P1 ONLY).

## ENVIRONMENTAL:

OPERATING TEMPERATURE RANGE: -40°C TO +75°C  
CABLE JACKET RESISTANCE: OIL, SUNLIGHT, AND WELD SPLATTER RESISTANT  
CABLE FLEX LIFE: 1 MILLION CYCLE TEST (10X CABLE OD)  
10 MILLION CYCLE TEST (20X CABLE OD)

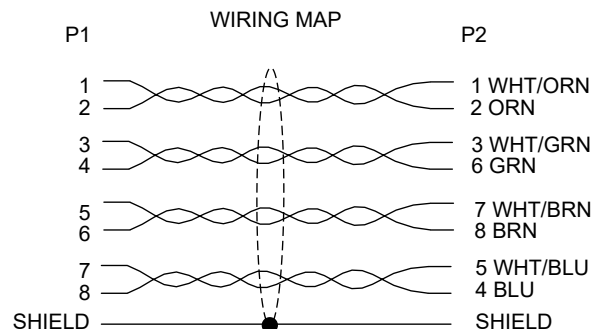
## MISCELLANEOUS

CABLE ASSEMBLIES TO BE TESTED FOR CONTINUITY  
WIRED TO IEC 61076-2-109 STANDARDS  
CABLE ASSEMBLY SHALL BE INDIVIDUALLY PACKAGED IN ACCORDANCE WITH L-COM SPECIFICATION PS-0031.

## REGULATORY COMPLIANCE:

EU RoHS DIRECTIVE (MOST RECENT RELEASED VERSION).

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PART NUMBER	LENGTH	
	FEET	METERS
TRG610-T6T-05M	1.64	0.5
TRG610-T6T-1M	3.28	1.0
TRG610-T6T-2M	6.56	2.0
TRG610-T6T-3M	9.84	3.0
TRG610-T6T-5M	16.41	5.0
TRG610-T6T-10M	32.82	10.0
TRG610-T6T-15M	49.22	15.0

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

CATEGORY 6A M12 8 POSITION X CODE SF/UTP INDUSTRIAL  
CABLE, M12 M / RJ45

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	DCUI	TRG610-T6T	D

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