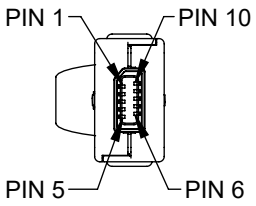
REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	B	ECO-15276	02/05/2026	TDUFRENE	DGUST

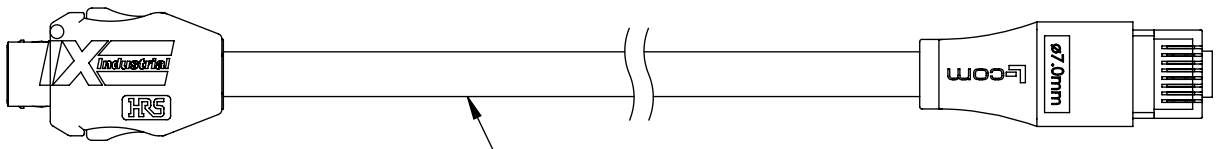
PIN ASSIGNMENT

IX PIN #	COLOR	RJ45 PIN#
1	ORN/WHT	1
2	ORN	2
3		
4	BLU	4
5	BLU/WHT	5
6	GRN/WHT	3
7	GRN	6
8		
9	BRN/WHT	7
10	BRN	8
SHIELD	SHELL	SHELL

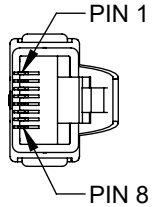
MODEL #	LENGTH		
	CM	M	FT
TRGIX603EC-BLK-20CM	20	.2	.66
TRGIX603EC-BLK-30CM	30	.3	.98
TRGIX603EC-BLK-50CM	50	.5	1.64
TRGIX603EC-BLK-1M	100	1	3.28
TRGIX603EC-BLK-1.5M	150	1.5	4.92
TRGIX603EC-BLK-2M	200	2	6.56
TRGIX603EC-BLK-3M	300	3	9.84
TRGIX603EC-BLK-5M	500	5	16.40
TRGIX603EC-BLK-7.5M	750	7.5	24.61
TRGIX603EC-BLK-10M	1000	10	32.81

IX INDUSTRIAL
TYPE A PLUG





RJ45 CAT6a
SHIELDED PLUG



CAT6a, 4 TWISTED PR, 26AWG STRANDED TINNED COPPER
WITH ALUM/POLY SHIELD (100%) WITH
TINNED COPPER DRAIN WIRE,
JACKET: POLYVINYLCHLORIDE, BLACK
CABLE O.D.: 0.233 NOM

NOTES:

CABLE CHARACTERISTICS:
TEMPERATURE RATING: -20°C TO +75°C
VOLTAGE RATING: 300 V
SHIELDED FLEXIBLE PATCH/JUMPER CABLE SUPPORTS SCREENED 568-C.2 CAT 6A APPLICATIONS
RECOMMNEDATIONS IN TIA-568-C.2
RATING: NEC(UL)CMR/CMG

1. NOMINAL VOLTAGE: 50 V AC/ 60 V DC
2. IX CONNECTORS CONFORM TO IEC STANDARD 61076-3-124
3. THIS PRODUCT (TYPE A) IS DEFINED FOR 10/100 MBIT/S AND 1/10 GBIT/S ETHERNET COMMUNICATION.
4. RJ45 CONTACTS: 50um GOLD PLATED
5. CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.
6. CABLE ASSEMBLY SHALL BE INDIVIDUALLY PACKAGED IN ACCORDANCE WITH L-COM PACKAGING SPECIFICATION PS-0031.

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 ± 1/32
.XX = ±.02 [0.5] | ANGLES ± 1°
.XXX = ±.005 [0.13]
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 INFINITE 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
IXA-RJ45P, CAT6a F/UTP CMR/CMG PVC BLK

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	BPUCHASKI	TRGIX603EC-BLK	B

LC LG Rev-D5 Asize