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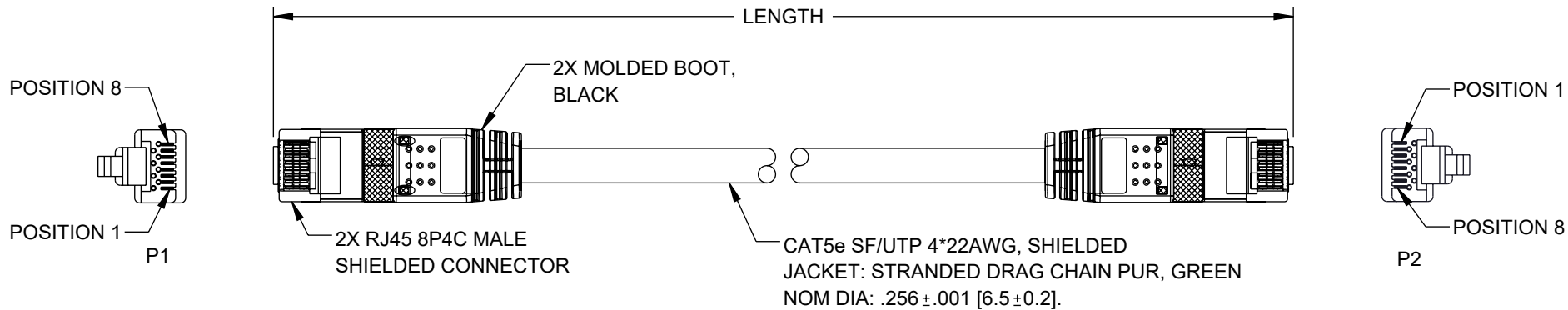
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## REVISION

ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	B	UPDATED PER ECO-13673	06/25/2024	HBAKKE	DGUST



## NOTES:

## PHYSICAL:

- CONDUCTOR TYPE: 22AWG, STRANDED TC.
- INSULATION: HDPE.
- CONDUCTOR DIA:  $1.5 \pm 0.05$ mm.
- CONNECTOR: 50U" GOLD PLATED.
- MINIMUM AVERAGE CABLE THICKNESS: .026 [0.65].

## ELECTRICAL:

- BANDWIDTH: 100 MHz.
- NOMINAL VOLTAGE RATING: 30 V.
- RESISTANCE:  $7.08\Omega/100$ m (MAXIMUM).
- IMPEDANCE:  $100\Omega$ .
- CAPACITANCE:  $5600$ pf/100m.
- PROPAGATION DELAY:  $545$ ns/100m (MAXIMUM).
- DELAY SKEW:  $45$ ns/100m (MAXIMUM).
- PASS FLUKE DSX 8000 CHANNEL TEST.

## ENVIRONMENTAL:

- INSTALLATION TEMPERATURE RANGE:  $0^{\circ}\text{C}$  TO  $\sim 50^{\circ}\text{C}$
- OPERATING TEMPERATURE RANGE:  $-40^{\circ}\text{C}$  TO  $\sim 80^{\circ}\text{C}$

## MISCELLANEOUS

- CABLE ASSEMBLY TO BE TESTED FOR CONTINUITY.
- CABLE ASSEMBLY SHALL BE INDIVIDUALLY PACKAGED.

## REGULATORY COMPLIANCE:

EU RoHS DIRECTIVE (MOST RECENTLY RELEASED VERSION).

P1	WIRE MAP	P2
YELLOW 1	—————	1 YELLOW
ORANGE 2	—————	2 ORANGE
WHITE 3	—————	3 WHITE
BLUE 6	—————	6 BLUE
SHIELDED S	—————	S SHIELDED

ITEM NO	LENGTH [TOL.]	
	METERS [mm]	FEET [IN]
TRGPC506-05M	0.5 [+35/-15]	1.64 [+1.38/- .59]
TRGPC506-1M	1 [+35/-20]	3.28 [+1.38/- .79]
TRGPC506-2M	2 [+35/-30]	6.56 [+1.38/-1.18]
TRGPC506-3M	3 [+35/-30]	9.84 [+1.38/-1.18]
TRGPC506-5M	5 [±60]	16.40 [±2.36]
TRGPC506-10M	10 [±80]	32.81 [±3.15]

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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	SHEET
NONE	1 OF 1

DESCRIPTION  
 PROFINET C5e 2P RJ45 SF/UTP 22STR PUR GRN

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	KGLEBOVA	TRGPC506	B

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