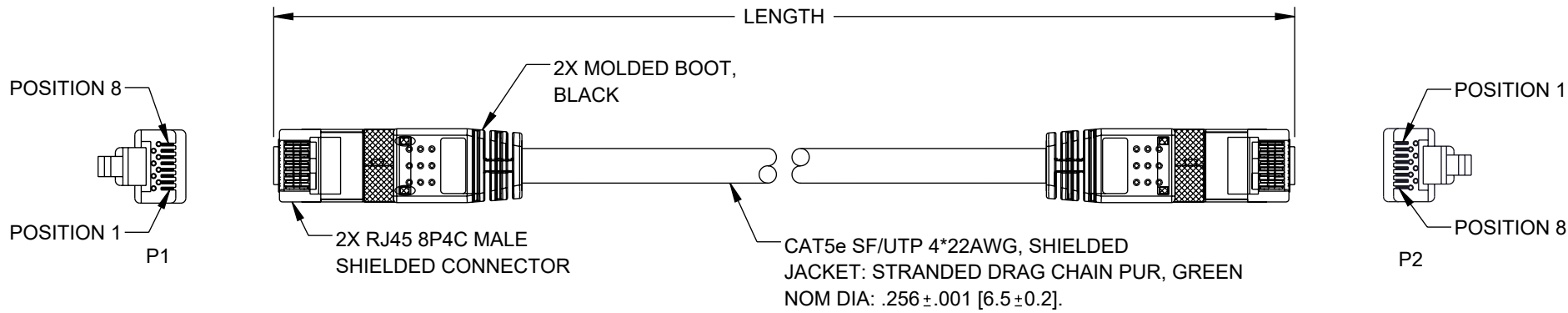


REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	B	UPDATED PER ECO-13673	06/25/2024	HBAKKE	DGUST



NOTES:

PHYSICAL:

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

ELECTRICAL:

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

ENVIRONMENTAL:

- INSTALLATION TEMPERATURE RANGE: 0°C TO ~50°C
- OPERATING TEMPERATURE RANGE: -40°C TO ~80°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]
PC506-05M	0.5 [+35/-15]	1.64 [+1.38/- .59]
PC506-1M	1 [+35/-20]	3.28 [+1.38/- .79]
PC506-2M	2 [+35/-30]	6.56 [+1.38/-1.18]
PC506-3M	3 [+35/-30]	9.84 [+1.38/-1.18]
PC506-5M	5 [±60]	16.40 [±2.36]
PC506-10M	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 ± 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.

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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	3SVT8	KGLEBOVA	PC506	B