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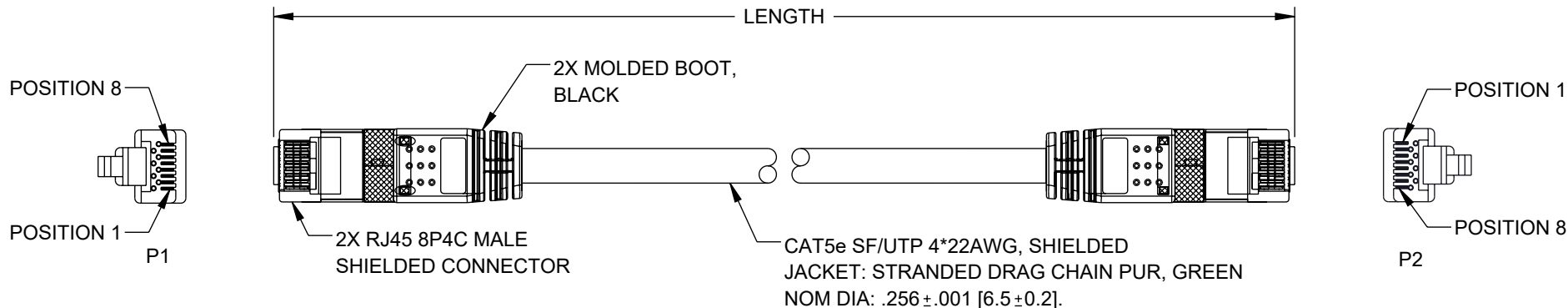
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REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	B	UPDATED PER ECO-13673	06/25/2024	HBAKKE	DGUST



NOTES:

PHYSICAL:

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

ELECTRICAL:

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

ENVIRONMENTAL:

- INSTALLATION TEMPERATURE RANGE: 0°C TO $\sim 50^{\circ}\text{C}$
- OPERATING TEMPERATURE RANGE: -40°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]
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 $\pm 1/32$
.XX = ± 0.02 [0.5]	ANGLES $\pm 1^{\circ}$
.XXX = ± 0.005 [0.13]	

CABLE LENGTH TOLERANCES:

≤ 12 [305]	≤ 12 [305] = ± 1 [25] / -0
>12 [305] ≤ 60 [1524]	≤ 60 [1524] = ± 2 [51] / -0
>60 [1524] ≤ 120 [3048]	≤ 120 [3048] = ± 4 [102] / -0
>120 [3048] ≤ 300 [7620]	≤ 300 [7620] = ± 6 [152] / -0
>300 [7620]	≤ 300 [7620] = $\pm 5\%$ / -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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SCALE: NONE
SHEET: 1 OF 1

DESCRIPTION					SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
PROFINET C5e 2P RJ45 SF/UTP 22STR PUR GRN					A	3SVT8	KGLEBOVA	PC506	B