

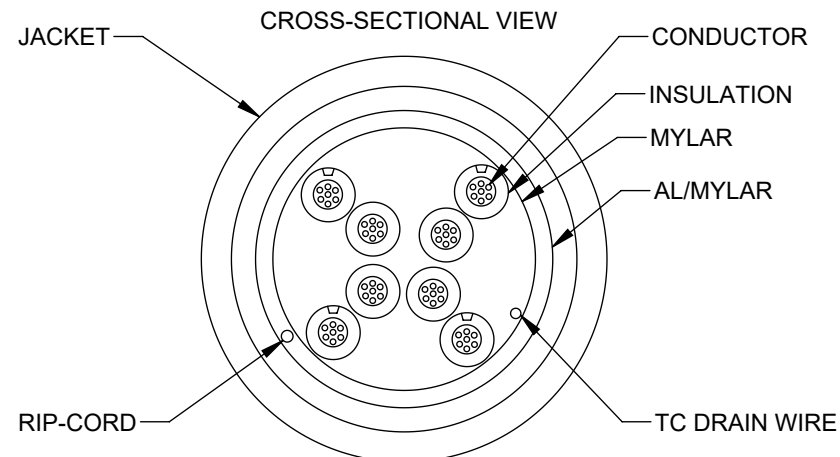
REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	ECO-15801	06/05/2026	TUOFRENE	DGUST

NOTES:

- COMPLIANCE:
ISO/IEC 11801.
ANSI/TIA-568.2-D CATEGORY 5E.
ANSI/ICEA S-90-661 (CATEGORY 5).
NEMA WC63.1 (CATEGORY 5).
CM RATED.
ETL VERIFIED.
ROHS COMPLIANCE FOR THE REQUIREMENT OF EUROPEAN UNION
ISSUED DIRECTIVE 2002/95/EC.
- PHYSICAL CHARACTERISTICS:
CONDUCTOR SIZE: 24AWG.
CONDUCTOR MATERIAL: STRANDED BARE COPPER.
INSULATION MATERIAL: HIGH DENSITY POLYETHYLENE.
INSULATION DIAMETER: 0.95 ± 0.03MM.
NUMBER OF CONDUCTORS: 8 CONDUCTORS.
NUMBER OF PAIRS: 4 PAIRS.
DRAIN WIRE: YES - TIN COPPER - 0.45MM.
OUTER SHIELD MATERIAL: MYLAR + ALUMINUM FOIL / MYLAR.
OUTER JACKET MATERIAL: CM PVC (COMPLIES ROHS).
OUTER JACKET DIAMETER: 6.0MM ± 0.4MM.
OUTER JACKET RIP CORD: YES.
- MECHANICAL CHARACTERISTICS:
STORAGE TEMPERATURE RANGE: -30~+60°C.
INSTALLATION TEMPERATURE RANGE: -10~+50°C.
OPERATING TEMPERATURE RANGE: -20~+75°C.
BULK CABLE WEIGHT: N/A LBS. / 1000FT.
MIN. BEND RADIUS: 22MM.
MIN. BEND RADIUS/MINOR AXIS: 4D.
MIN. BEND/INSTALLATION: 8D.
TEST OBJECT: JACKET.
TEST MATERIAL: PVC.
BEFORE TENSILE STRENGTH: ≥13.5.
AGING ELONGATION: ≥150%.
AGING CONDITION: 100°C X 24HRS X 7 DAYS.
AFTER TENSILE STRENGTH: ≥12.5.
AGING ELONGATION: ≥125%.
COLD BEND: NO VISIBLE CRACKS (-20° ± 2° X 4H).
- ELECTRICAL CHARACTERISTICS:
UNBALANCED TO GROUND CAPACITANCE MAX: 330 (PF/100M).
NOMINAL VELOCITY OF PROPAGATION: N/A.
MAXIMUM DELAY: 537.60 @ 100MHZ (NS/100M).
MAXIMUM DELAY SKEW: ≤45 (NS/100M).
MAXIMUM CONDUCTOR DC RESISTANCE: 11.7 (@ 20°C OHM/100M).
MAXIMUM OPERATING VOLTAGE - UL: 300V RMS.
MAXIMUM DCR UNBALANCED: 5% (@ 20°C).

ELECTRICAL CHARACTERISTICS (CONT):

ATTENUATION (MAXIMUM):
33.00 DB/100M (328.1FT.) @ 100MHZ.
61.35 DB/100M (328.1FT.) @ 350MHZ.
1.0 - 100MHZ IMPEDANCE: 100Ω ± 15%.
NEXT (MINIMUM):
35.3 DB/100M (328.1FT.) @ 100MHZ.
27.1 DB/100M (328.1FT.) @ 350MHZ.
PS-NEXT (MINIMUM):
32.3 DB/100M (328.1FT.) @ 100MHZ.
24.1 DB/100M (328.1FT.) @ 350MHZ.
RETURN LOSS (MINIMUM):
20.1 DB/100M (328.1FT.) @ 100MHZ.
16.0 DB/100M (328.1FT.) @ 350MHZ.



COLOR CODE:

PAIR 1 — WHITE/BLUE STRIPE & BLUE
PAIR 2 — WHITE/ORANGE STRIPE & ORANGE
PAIR 3 — WHITE/GREEN STRIPE & GREEN
PAIR 4 — WHITE/BROWN STRIPE & BROWN

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UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

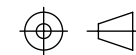
TOLERANCES:
X = ± 2 [5]
XX = ± 0.02 [0.5]
XXX = ± 0.005 [0.13]
FRACTIONS
± 1/32
ANGLES ± 1°

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

CABLE LENGTH TOL IAW IPC A-620
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
CAT5E SHIELDED STRANDED PVC CABLE - GREEN

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3SVT8	TUOFRENE	85-500-225 GN	A