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REVISIONS			
Rev	Description	Date	Chg'd By
A	Initial Release EM2 SPEC - 11969 T,Sharp	29 OCT 2015	DED

CONSTRUCTION:

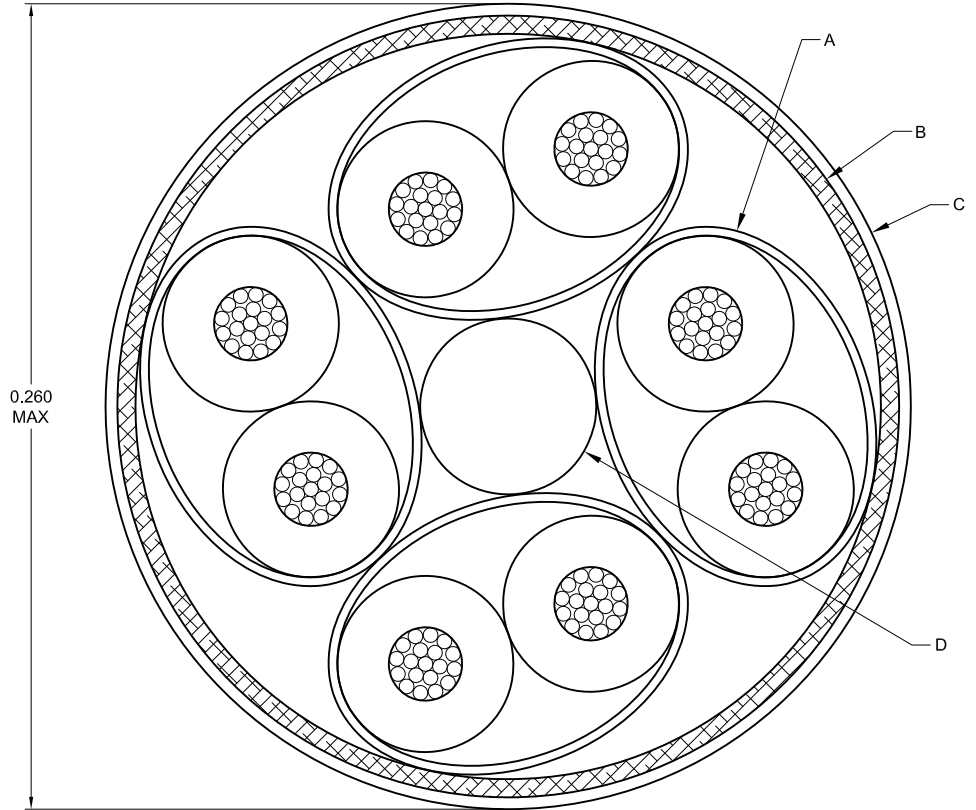
- A. SHIELDED TWISTED PAIR (4 PLACES)
 - CONDUCTOR: AWG 24(19 / 36) SPC (2 PLACES)
 - INSULATION: ePTFE / PTFE (2 PLACES)
 - (0.060) DIAMETER
 - COLORS: BU x WH/BU, OR x WH/OR, GN x WH/GN, BN x WH/BN
- PAIR SHIELD: ALUMINIZED POLYIMIDE (ALUMINUM OUT)
- B. OVERALL SHIELD: AWG 40(1) SPC BRAID 92% MINIMUM COVERAGE
- C. OVERALL JACKET: WHITE LASER MARKABLE EF100 (0.004) WALL
- D. FILLER: FEP / ePTFE (0.060) DIAMETER (1 PLACE)

ELECTRICAL REQUIREMENTS:

- 1. IMPEDANCE: $100 \pm 10 \Omega$ MEASURED DIFFERENTIALLY
- 2. TIME DELAY: (1.24) nSEC / FT
- 3. CAPACITANCE: (12.5) pf / FT
- 4. MAXIMUM ATTENUATION: 5.9 dB / 80 METERS @ 10 MHz
19.1 dB / 80 METERS @ 100 MHz
27.6 dB / 80 METERS @ 200 MHz
31.1 dB / 80 METERS @ 250 MHz
45.3 dB / 80 METERS @ 500 MHz
- 5. NEXT (MAXIMUM): 74.3 dB @ 1 MHz
59.2 dB @ 10 MHz
52.3 dB @ 100 MHz
47.9 dB @ 250 MHz
42.2 dB @ 500 MHz

NOTES:

- 1. LASER MARK CABLE WITH PART NUMBER RCN9034-24 AND CAGE CODE
- 2. OPERATING TEMPERATURE: -65° C TO +200° C
- 3. WEIGHT: 42 LBS / 1000 FT NOMINAL
45 LBS / 1000 FT MAXIMUM
- 4. ELECTRICAL CHARACTERISTICS TO BE TESTED AT INDICATED LENGTH
- 5. MINIMUM SHIP LENGTH IS 30 METERS
- 6. THIS CABLE MEETS TIA568C.2 CATEGORY 6A REQUIREMENT UP TO 80 METERS



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HIGH SPEED ETHERNET CABLE AWG 2419					
Drawn	Sheet	Scale	Associated Documents	Drawn	Rev Level
B	1 of 1	24:1	EM2 SPEC - 11969	DED	29 OCT 2015
Rev Date	Drawing Number		Rev Level		
29 OCT 2015	RCN9034 - 24		A		

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