

8 7 6 5 4 3 2 1

**CONSTRUCTION:**

- A. SHIELDED TWISTED PAIR (4 PLACES)
  - CONDUCTOR: AWG 24(19 / 36) SPC (2 PLACES)
  - INSULATION: PTFE OVER ePTFE (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: ePTFE OVER FEP (0.048) DIAMETER (1 PLACE)

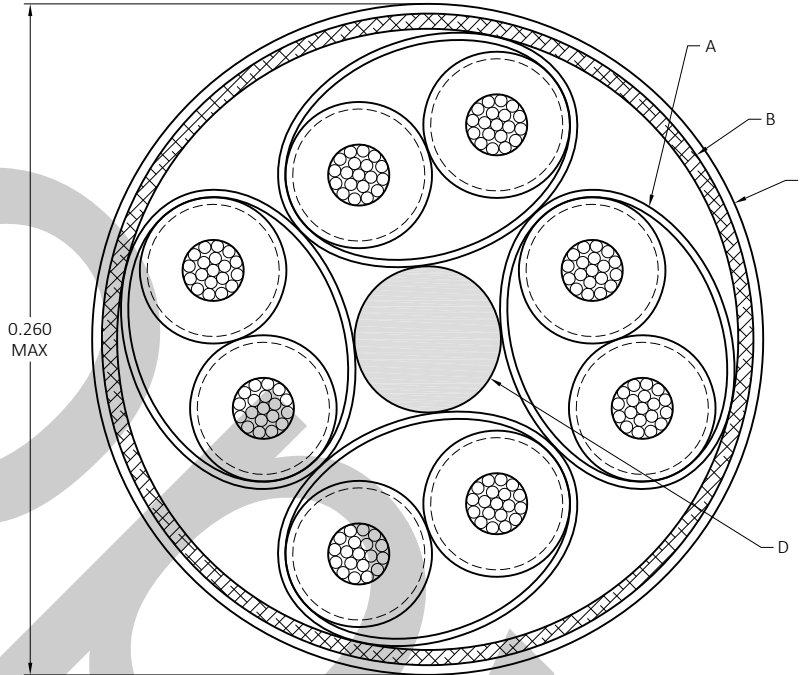
**ELECTRICAL REQUIREMENTS:**

- 1. IMPEDANCE:  $100^{+10}_{-5} \Omega$  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 TIA-568-C.2 SECTION 6.4 AS APPLICABLE CATEGORY 6A REQUIREMENT UP TO 80 METERS

REVISIONS			
Rev	Description	Date	Chg'd By
A	Initial Release EM2 SPEC - 11969 T.Sharp	29 OCT 2015	DED
B	EM2 ECO - 10902 A.Battipaglia	13 MAY 2022	DED
C	EM2 ECO - 10954 A.Battipaglia	03 FEB 2023	DED



0.260  
MAX

Valid only at time of printing

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Title				AWG 2419 HIGH SPEED ETHERNET CABLE	
Dwg Size	Sheet	Scale	Associated Documents	Drawn	Date
B	1 of 1	20:1	N/A	DED	29 OCT 2015
Rev Date	Rev Level	Drawing Number			
03 FEB 2023	C	RCN9034-24			

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