

8 7 6 5 4 3 2 1

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 (0.048) DIAMETER (1 PLACE)

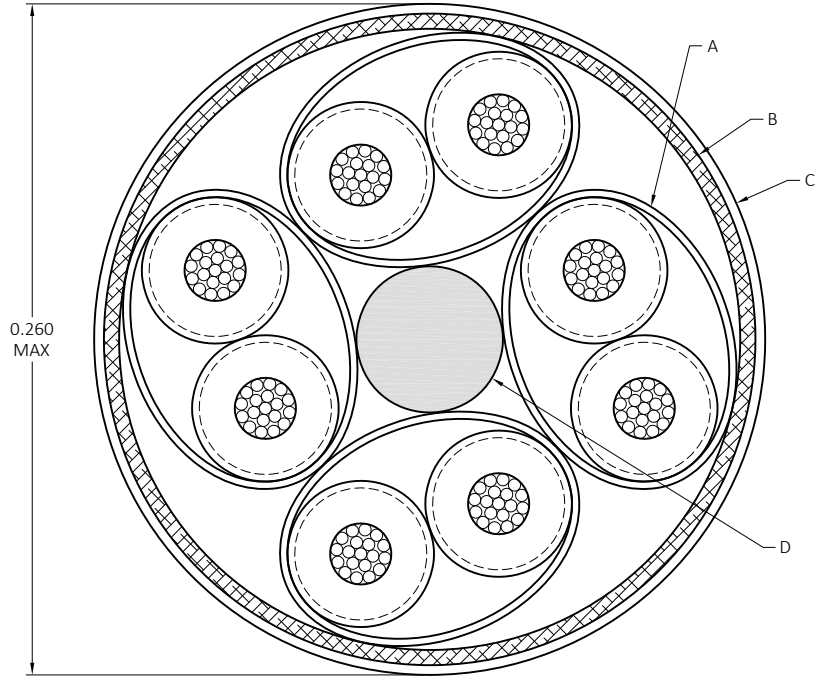
ELECTRICAL REQUIREMENTS:

- 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 TIA568C.2 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



PARENTHESES DENOTE REFERENCE DIMENSIONS			
DIMENSIONS ARE IN INCHES		UNLESS OTHERWISE SPECIFIED	
DO NOT SCALE DRAWING	.X ± N/A	.XX ± N/A	.XXX ± N/A
DEBURR SHARP EDGES	.XXX ± N/A	.XXXX ± N/A	FRACTIONS ± N/A
			ANGLES ± N/A
	Third Angle Projection	SURFACE TEXTURE N/A	BREAKS AND FILLETS N/A MAX
INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5M-1994 (R1999)			
		W. L. GORE & ASSOCIATES, INC. (Gore) Performance Solutions Division 101 Lewisville Road, Elkton, MD 21921-410 / 392-3300 © 2014, 2022 W. L. Gore & Associates, Inc.	
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Title AWG 2419 HIGH SPEED ETHERNET CABLE			
Dwg Size	Sheet	Scale	Associated Documents
B	1 of 1	20:1	N/A
Rev Date	Drawing Number		Rev Level
13 MAY 2022	RCN9034-24		B

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