

CONSTRUCTION:

- A. SHIELDED TWISTED PAIR (2 PLACES)
- CONDUCTOR: AWG 24(19 / 36) SPAL (2 PLACES)
- INSULATION: INVERTED DIELECTRIC, ePTFE OVER PTFE (2 PLACES)
- PTFE OUTSIDE DIAMETER: 0.040 MAX
- COLORS PER TABLE:

	COLORS	
	PAIR #1	PAIR #2
OUTER LAYER	WHITE/GREEN x WHITE	WHITE/ORANGE x WHITE
INNER LAYER	WHITE/GREEN x GREEN	WHITE/ORANGE x ORANGE

- PAIR SHIELD: ALUMINIZED POLYIMIDE (ALUMINUM OUT)
- B. OVERALL SHIELD: AWG 40(1) SPC BRAID 92% MINIMUM COVERAGE
- C. OVERALL JACKET: (0.004) WALL WHITE LASER MARKABLE EF100

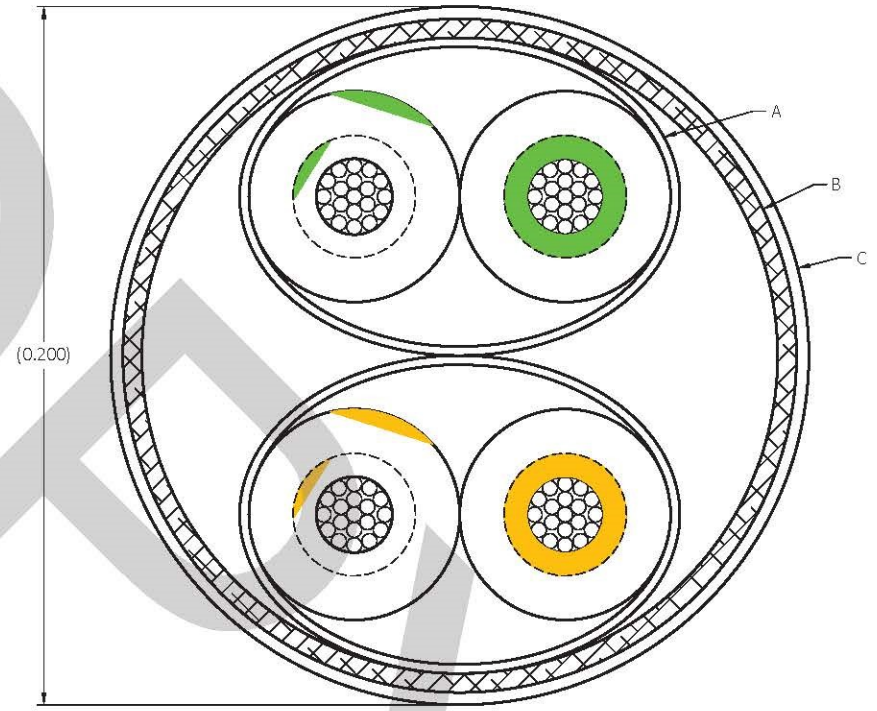
ELECTRICAL REQUIREMENTS:

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 (MINIMUM): 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. MARKING PER NEMA-WC27500-2015 SECTION 3.10.2:  
PART NUMBER RCN9133-24 CAGE CODE [CAGE CODE]
2. OPERATING TEMPERATURE: -65° C TO +200° C
3. WEIGHT: (24.1) LB / 1000 FT
4. MINIMUM SHIP LENGTH IS 15 METERS
5. THIS CABLE MEETS TIA568C.2 CATEGORY 6A REQUIREMENT UP TO 80 METERS
6. RoHS COMPLIANT TO EU DIRECTIVE 2011/65/EU (RoHS RECAST) INCLUDING COMMISSION DELEGATED DIRECTIVE 2015/863

REVISIONS			
Rev	Description	Date	Chg'd By
A	Initial Release EM2 SPEC - 14476 G.Lawton	09 MAR 2022	DED
B	EM2 ECO - 11012 A. Battipaglia	15 JUL 2022	DED
C	EM2 ECO - 11403 M.Dubbs	22 JUN 2023	DED



<p>PAREN THESE DENOTE REFERENCE DIMENSIONS</p> <p>DIMENSIONS ARE IN INCHES</p> <p>DO NOT SCALE DRAWING</p> <p>CHAMFER SHARP EDGES</p> <p>Third Angle Projection</p> <p>INTERPRET DRAWINGS IN ACCORDANCE WITH ASME Y14.5M-2018 (PLD32)</p>		<p>UNLESS OTHERWISE SPECIFIED</p> <p>.XX ± N/A</p> <p>.XXX ± N/A</p> <p>.XXXX ± N/A</p> <p>FRACTIONS ± N/A</p> <p>ANGLES ± N/A</p> <p>SURFACE TEXTURE N/A</p> <p>BREAK AND FILLETS N/A MAX</p>	<p><b>W. L. GORE &amp; ASSOCIATES, INC. (Gore)</b> Performance Solutions Division 101 Lewisville Road, Elkton, MD 21921 410 / 392-3300 © 2022, 2023 W. L. Gore &amp; Associates, Inc.</p> <p>By acceptance of this document you agree that all rights to drawings, specifications, processes and other data contained herein, as well as the proprietary and confidential information, which is the property of Gore, are reserved by Gore and are disclosed in confidence. They are not to be reprinted, used, sold or disclosed to others, nor are they to be embodied in other features or information derived from them or disclosed to be used in other, unless and only as expressly authorized by Gore. These drawings, specifications, processes, etc. are and remain the property of Gore and are not to be copied or reproduced without its prior permission, and are to be returned upon request thereof.</p> <p>Title: <b>AWG 2419 2X PAIR Cat6A ETHERNET AEROSPACE CABLE</b></p> <p>Dwg Size: Sheet 1 of 1 Scale: 25:1 Associated Documents: Drawn: DED Date: 04 FEB 2022</p> <p>Rev Date: 22 JUN 2023 Drawing Number: RCN9133-24 Rev Level: C</p>
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Valid only at time of printing