

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:

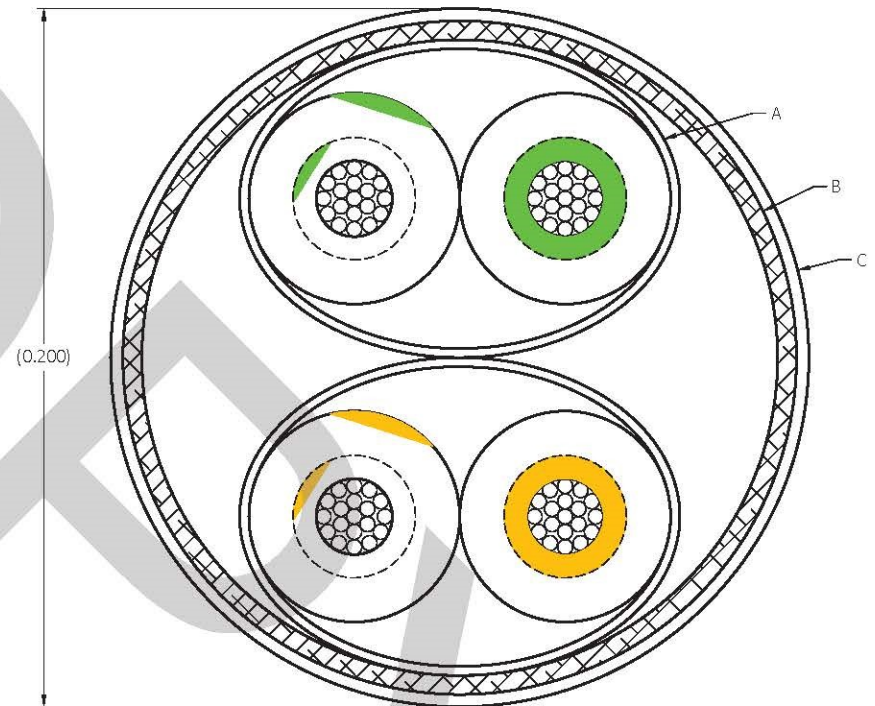
1. IMPEDANCE: $100 \pm 10 \Omega$ MEASURED DIFFERENTIALLY
2. TIME DELAY: (1.24) nSEC / FT
3. CAPACITANCE: (12.5) pF / FT
4. MAXIMUM ATTENUATION: 5.9 dB / 80 METERS @ 10 MHz
19.1 dB / 80 METERS @ 100 MHz
27.6 dB / 80 METERS @ 200 MHz
31.1 dB / 80 METERS @ 250 MHz
45.3 dB / 80 METERS @ 500 MHz
5. NEXT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



Valid only at time of printing

PARENTS DENOTE REFERENCE DIMENSIONS		W. L. GORE & ASSOCIATES, INC. (Gore) Performance Solutions Division 101 Lewisville Road, Elkton, MD 21921 410 / 392-3300 © 2022 W. L. Gore & Associates, Inc.	
DIMENSIONS ARE IN INCHES	UNLESS OTHERWISE SPECIFIED	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 nature, with copyright notice, are retained by Gore and are disclosed in confidence. They are not to be reproduced, used, sold or disclosed to others, nor are they to be used in any way to create or improve any product or information derived from this disclosure to be used or disclosed, written and shall remain the property of Gore. This drawing, specifications, processes, etc. are and remain the property of Gore and are not to be copied or reproduced without the express permission, and are to be returned upon request thereafter.	
DO NOT SCALE DRAWING	.X ± N/A .XX ± N/A .XXX ± N/A XXXX ± N/A FRACTIONS ± N/A ANGLES ± N/A	Title AWG 2419 2X PAIR Cat6A ETHERNET AEROSPACE CABLE	
DEBURR SHARP EDGES	THIRD ANGLE PROJECTION	Qty/Size B 1 of 1	Scale 25:1
INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5M-2018 (PLD 32)	SURFACE TEXTURE N/A BREAK AND FILLET N/A MAX	Associated Documents DED	Drawn 04 FEB 2022
		Rev Date 22 JUN 2023	Rev Level C
		Drawing Number RCN9133-24	