

8 | 7 | 6 | 5 | 4 | 3 | 2 | 1

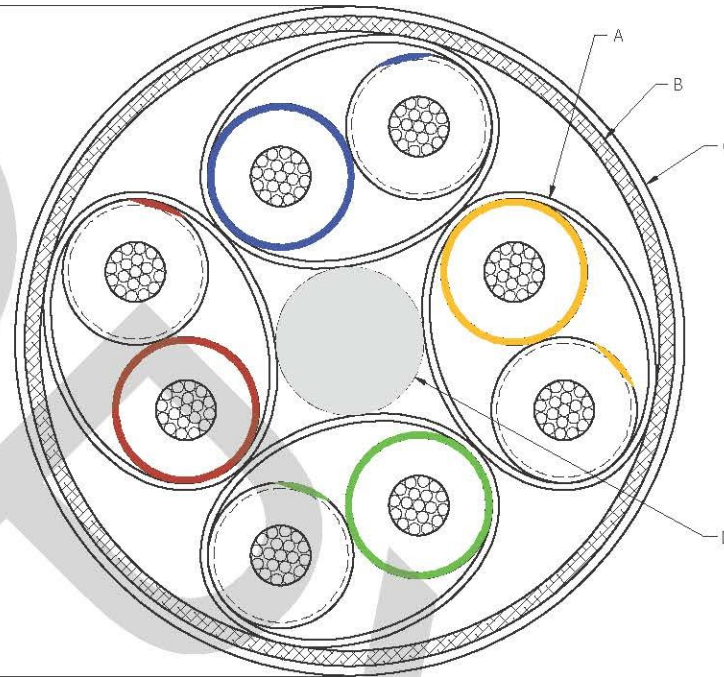
CONSTRUCTION:

- A. SHIELDED TWISTED PAIR (4 PLACES)
 - CONDUCTOR: AWG 24(19 / 36) SILVER PLATED COPPER (2 PLACES)
 - INSULATION: PTFE OVER ePTFE (0.060 [1.52]) DIAMETER (2 PLACES)
 - 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 ENGINEERED FLUOROPOLYMER EF100 (0.004) WALL
- D. FILLER: FEP / ePTFE (0.037 [0.94]) DIAMETER

ELECTRICAL REQUIREMENTS:

1. IMPEDANCE: $100 \pm_{5}^{10} \Omega$ MEASURED DIFFERENTIALLY
2. TIME DELAY: (1.27) nSEC / FT [(4.17) nSEC / m]
3. CAPACITANCE: (12.5) pF / FT [(41.0) pF / m]
4. ATTENUATION (MAXIMUM) PER 72.2 FT [22 m]:
 - 3.9 dB @ 50 MHz
 - 5.6 dB @ 100 MHz
 - 8.9 dB @ 250 MHz
 - 12.8 dB @ 500 MHz
 - 18.6 dB @ 1000 MHz
 - 23.2 dB @ 1500 MHz
 - 27.2 dB @ 2000 MHz
5. NEXT (MINIMUM):
 - 49.8 dB @ 50 MHz
 - 45.3 dB @ 100 MHz
 - 39.3 dB @ 250 MHz
 - 34.8 dB @ 500 MHz
 - 30.3 dB @ 1000 MHz
 - 27.7 dB @ 1500 MHz
 - 25.8 dB @ 2000 MHz

0.245 [6.22] TYPICAL
0.260 [6.60] MAX



NOTES:

1. BRACKETED [] DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED
2. MARKING PER NEMA-WC27500 SECTION 3.10.2:
PART NUMBER RCN9241 CAGE CODE [CAGE CODE]
3. OPERATING TEMPERATURE: -85° F TO +392° F [-65° C TO +200° C]
4. WEIGHT: NOMINAL: 40.0 LB / 1000 FT [59.5 kg / km]
MAXIMUM: 45.0 LB / 1000 FT [67.0 kg / km]
5. ELECTRICAL CHARACTERISTICS TO BE TESTED AT INDICATED LENGTH
6. MINIMUM SHIP LENGTH: 72.2 FT [22 m]
7. THIS CABLE MEETS TIA568.2D, CATEGORY 8 ELECTRICAL HORIZONTAL REQUIREMENTS FROM 50 MHz - 2000 MHz UP TO 72.2 FT [22 m]
8. REACH AND RoHS COMPLIANT

Valid only at time of printing

REVISIONS			
Rev	Description	Date	Chg'd By
01	Initial Release EM2 SPEC - 14416 T.Mayer / G.Lawton	13 MAY 2021	DED
A	EM2 ECO - 10487 T.Mayer	28 JUL 2021	TKG
B	EM2 ECO - 10541 T.Mayer	29 SEP 2021	TKG

PARENTHESES DENOTE REFERENCE DIMENSIONS DIMENSIONS ARE IN INCHES DO NOT SCALE DRAWING DEBURR SHARP EDGES This 4 Angle Projection INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.3M-1994 (R1999)		UNLESS OTHERWISE SPECIFIED: .X ± N/A .XX ± N/A .XXX ± N/A .XXXX ± N/A FRACTIONS ± N/A ANGLES ± N/A SURFACE TEXTURE N/A BREAK AND FILLETS N/A MAX		W. L. GORE & ASSOCIATES, INC. (Gore) Performance Solutions Division 101 Lewisville Road, Elkton, MD 21521 410 / 392-3300 © 2021 W. L. Gore & Associates, Inc. By acceptance of this document you agree that all rights to drawings, specifications, processes and other data contained therein, as well as the proprietary and novel features of the subject matter, are reserved by Gore and are disclosed in confidence. They are not to be reproduced, copied, sold or disclosed to others, nor are they to be used in any way without the express written permission of W. L. Gore & Associates, Inc. This drawing, specification, process, etc. are and remain the property of Gore and are not to be copied or reproduced without express permission, and are to be returned upon request thereof.	
Title: AWG 2419 SPC CATEGORY 8 HIGH SPEED DATA CABLE					
Drawn	Sheet	Scale	Associated Documents	Drawn	Date
B	1 of 1	20:1	N/A	DED	24 FEB 2021
Rev Date	Drawing Number		Rev Level		
29 SEP 2021	RCN9241		B		

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