

CONSTRUCTION:

A. SHIELDED TWISTED PAIR (2 PLACES)

CONDUCTOR: AWG 26(19 / 38) SPAL (2 PLACES)

INSULATION: INVERTED DIELECTRIC, ePTFE OVER PTFE (2 PLACES)
0.036 MAX DIAMETER OVER PTFE
COLORS PER TABLE:

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

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

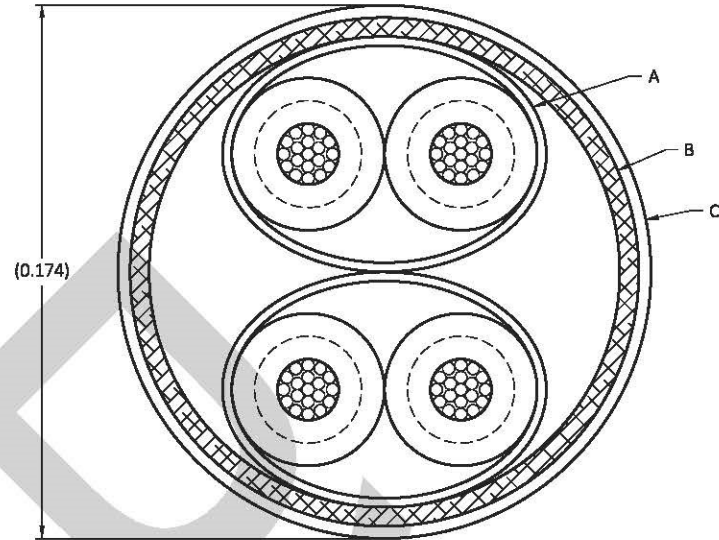
ELECTRICAL REQUIREMENTS:

1. IMPEDANCE: $100 \pm \frac{10}{5} \Omega$ MEASURED DIFFERENTIALLY
2. TIME DELAY: (1.24) nSEC / FT
3. CAPACITANCE: (12.5) pF / FT
4. MAXIMUM ATTENUATION: 5.9 dB / 65 METERS @ 10 MHz
19.1 dB / 65 METERS @ 100 MHz
27.6 dB / 65 METERS @ 200 MHz
31.1 dB / 65 METERS @ 250 MHz
45.3 dB / 65 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 RCN9133-26 AND CAGE CODE
2. OPERATING TEMPERATURE: -65° C TO +200° C
3. WEIGHT: (21.0) LBS / 1000 FT
4. ELECTRICAL CHARACTERISTICS TO BE TESTED AT INDICATED LENGTH
5. MINIMUM SHIP LENGTH IS 15 METERS
6. THIS CABLE MEETS TIA568C.2 CATEGORY 6A REQUIREMENT UP TO 65 METERS

| REVISIONS | | | |
|-----------|---|-------------|----------|
| Rev | Description | Date | Chg'd By |
| A | Initial Release EM2 SPEC - 12957 G.Lawton | 23 MAR 2017 | DED |
| B | EM2 ECD - 9654 G.Lawton | 13 APR 2020 | DED |



| | | | |
|--|---|---|---|
| PARENTHESES DENOTE REFERENCE DIMENSIONS DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED | | W. L. GORE & ASSOCIATES, INC. (Gore) Performance Solutions Division 101 Lewisville Road, Elkton, MD 21521 410 / 392-3300 © 2017, 2020 W. L. Gore & Associates, Inc. | |
| DO NOT SCALE DRAWING CORNER SHARP EDGES Third Angle Projection UNLESS OTHERWISE SPECIFIED SURFACE TEXTURE BREAKS AND FILLS | XX ± N/A JXX ± N/A JOOX ± N/A JOOXX ± N/A FRACTIONS ± N/A ANGLES ± N/A N/A / N/A MAX | Title AWG 2619 2 PAIR Cat6A ETHERNET AEROSPACE CABLE Drawn: DED Date: 13 APR 2020 | Drawn: DED Date: 23 MAR 2017 Drawing Number: RCN9133 - 26 Rev Level: B |
| BY ACCEPTANCE OF THIS DOCUMENT YOU AGREE THAT ALL RIGHTS TO INVENTIONS, SPECIFICATIONS, PROCESSES AND OTHER DATA CONTAINED THEREIN, AS WELL AS THE PROPRIETARY AND UNPUBLISHED MATERIALS OF THE SUBJECT MATTER, ARE RESERVED BY GORE AND ARE DISCLOSED IN CONFIDENCE. THEY ARE NOT TO BE REPRODUCED, COPIED, USED, OR DISCLOSED TO OTHERS, NOR ARE SOURCE EMBROIDERING LOGO FEATURES OR INFORMATION DERIVED FROM THESE DOCUMENTS TO BE USED OR DISCLOSED, PUBLISHED AND/OR OTHERWISE REPRODUCED BY OTHERS. THESE DRAWINGS, SPECIFICATIONS, PROCESSES, ETC. ARE AND REMAIN THE PROPERTY OF GORE AND ARE NOT TO BE COPIED OR REPRODUCED WITHOUT EXPRESS PERMISSION. THIS AGREEMENT SHALL BE RETURNED UPON REQUEST THEREOF. | | Scale: 25:1 Associated Documents: N/A | |

Valid only at time of printing