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REVISIONS			
Rev	Description	Date	Chg'd By
A	Production Release EM2 SPEC - 12913	01 SEP 2010	ECL
B	Updated Attenuation Spec	17 JAN 2011	ECL
C	Updated Construction and Electrical Req Per G.Lawton	21 MAY 2015	GBA
D	Updated Construction and Electrical Req Per G.Lawton	31 JUL 2015	DED
E	EM2 ECO - 7166 M.Hanna	16 MAY 2016	DED
F	EM2 ECO - 7384 M.Frantz	02 MAR 2017	TKG
G	EM2 ECO - 8251 T.Sharp	21 JUN 2018	TKG
H	EM2 ECO - 10152 A.Battipaglia	22 JAN 2021	DED
J	EM2 ECO - 10407 L.Mastrofrilli	08 JUL 2021	DED
K	EM2 ECO - 11069 M.Dubbs	21 SEP 2022	DED
L	EM2 ECO - 11202 M.Dubbs	22 SEP 2023	SNM

**CONSTRUCTION:**

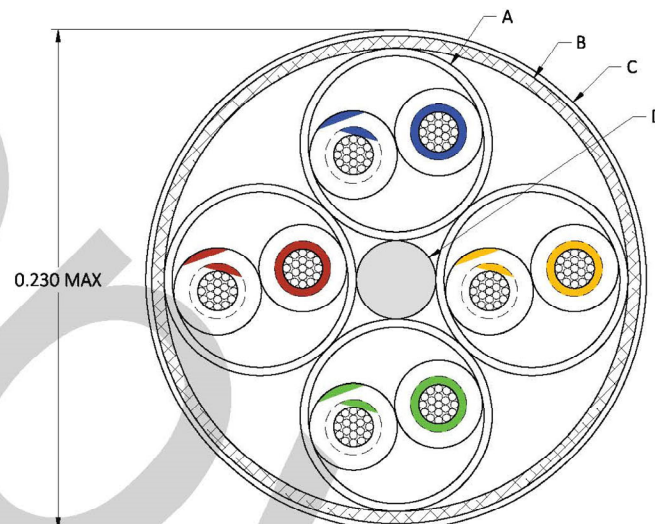
- A. SHIELDED TWISTED PAIRS (4 PLACES)
  - CONDUCTOR: AWG 26(19 / 38) SPAL (2 PLACES)
  - INSULATION: ePTFE OVER PTFE (2 PLACES)
  - OUTSIDE DIAMETER: PTFE 0.036 MAX
  - COLORS: WH/BU x BU, WH/OR x OR, WH/GN x GN, WH/BN x BN
  - PAIR OVERALL SHIELD: ALUMINIZED KAPTON (ALUMINUM OUT)
- B. OVERALL SHIELD: AWG 40(1) SPC BRAID 92% MINIMUM COVERAGE
- C. OVERALL JACKET: (0.004) WALL WHITE LASER MARKABLE EF100
- D. FILLER: FEP / ePTFE

**ELECTRICAL REQUIREMENTS:**

- 1. IMPEDANCE: 100<sup>±30</sup> Ω
- 2. OPERATING VOLTAGE: 150 V<sub>RMS</sub>
- 3. 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
- 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
- 4. TIME DELAY: (1.24) nSEC / FT
- 5. CAPACITANCE: (12.5) pf / FT

**NOTES:**

- 1. OPERATING TEMPERATURE: -65° C TO +200° C
- 2. WEIGHT: 49 kg / km [ 33 LB / 1000 FT ] NOMINAL  
52 kg / km [ 35 LB / 1000 FT ] MAXIMUM
- 3. LASER MARK GORE PN, CAGE CODE, AND "W. L. GORE & ASSOCIATES"
- 4. OUTSIDE DIAMETER MEASUREMENT IS THE AVERAGE OF X AND Y AXES.
- 5. THIS CABLE MEETS TIA568.2-D CATEGORY 6A REQUIREMENTS UP TO 65 METERS
- 6. REACH AND RoHS COMPLIANT.



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Title: <b>AWG 2619 AEROSPACE CAT6a CABLE FOR I.D.C.</b>				Drawn: ECL 27 JAN 2010	
Dwg Size: B		Sheet: 1 of 1		Scale: 16:1	
Rev Date: 22 SEP 2023		Drawing Number: RCN8966-26		Rev Level: L	

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