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REVISIONS			
Rev	Description	Date	Chg'd By
A	PRODUCTION RELEASE	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

**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 / BN x BN, WH / OR x OR,  
WH / BU x BU, WH / GN x GN
  - PAIR OVERALL SHIELD: ALUMINIZED KAPTON (ALUMINUM OUT)
- B. OVERALL SHIELD: AWG 40(1) SPC BRAID 92% MINIMUM COVERAGE
- C. OVERALL JACKET: (0.003) WALL WHITE LASER MARKABLE EF100
- D. FILLER: FEP / ePTFE

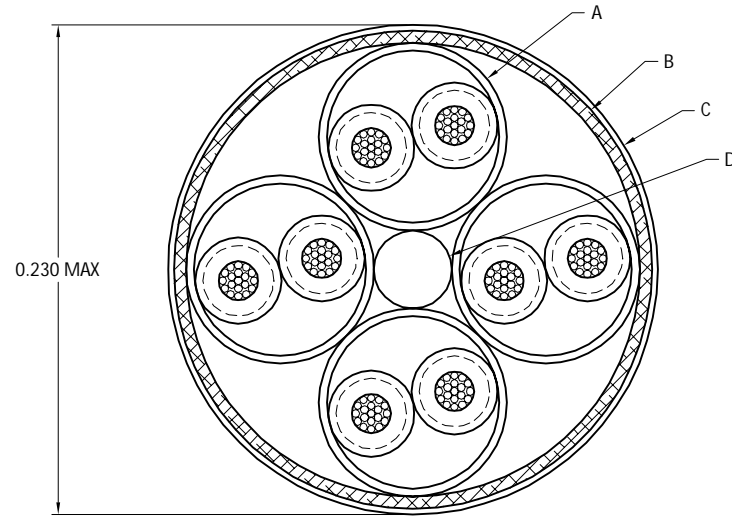
**ELECTRICAL REQUIREMENTS:**

- 1. IMPEDANCE:  $100 \pm 10 \Omega$
- 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 (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. OPERATING TEMPERATURE: -65° C TO +200° C
- 2. WEIGHT: (52) Kg / Km [ (35) LBS / 1000 FT ]
- 3. LASER MARK GORE PN, CAGE CODE, AND "W.L. GORE AND ASSOCIATES"
- 4. OUTSIDE DIAMETER MEASUREMENT IS THE AVERAGE OF X AND Y AXES.
- 5. THIS CABLE MEETS TIA568C.2 CATEGORY 6A REQUIREMENTS UP TO 65 METERS



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DIMENSIONS ARE IN INCHES		UNLESS OTHERWISE SPECIFIED	
DO NOT SCALE DRAWING	.X ± N/A	.XX ± N/A	.XXX ± N/A
DEBURR SHARP EDGES	.XXX ± N/A	.XXXX ± N/A	ANGLES ± N/A
Third Angle Projection	SURFACE TEXTURE N/A		
INTERSECT DRAWING ACCORDANCE WITH ASME Y14.5M-1994 (R1999)	BREAKS AND FILLETS N/A MAX		

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Title: **AWG 2619 AEROSPACE CAT6a CABLE FOR I.D.C.**

Dwg Size	Sheet	Scale	Associated Documents	Drawn
B	1 of 1	16:1	N/A	ECL
Rev Date	Drawing Number		Rev Level	
21 JUN 2018	RCN8966 - 26		G	