

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: $100 \pm 30 \Omega$

2. OPERATING VOLTAGE: $150 V_{RMS}$

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

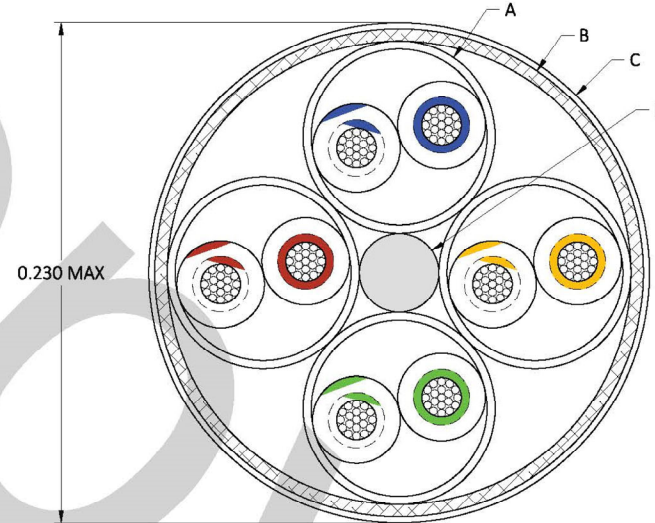
5. CAPACITANCE: (12.5) pf / FT

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.

Valid only at time of printing

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.Mastrorilli	08 JUL 2021	DED
K	EM2 ECO - 11069 M.Dubbs	21 SEP 2022	DED
L	EM2 ECO - 11202 M.Dubbs	22 SEP 2023	SNM



PARENTHESES DENOTE REFERENCE DIMENSIONS			
DIMENSIONS ARE IN INCHES		UNLESS OTHERWISE SPECIFIED	
DO NOT SCALE DRAWING		.X ± N/A	
DENOTE SHARP EDGES		.XX ± N/A	
		.XXX ± N/A	
		.XXXX ± N/A	
		FRACTIONS ± N/A	
		ANGLES ± N/A	
Third Angle Projection		SURFACE TEXTURE N/A	
INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5M-1994 (PLS99)		BREAKS AND TILDS N/A MAX	

GORE			
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Title: AWG 2619 AEROSPACE CAT6a CABLE FOR I.D.C.			
Dwg Size	Sheet	Scale	Associated Documents
B	1 of 1	16:1	N/A
Rev Date	22 SEP 2023	Drawing Number:	RCN8966-26
		Rev Level	L