

# CONSTRUCTION: QUAD CABLE

## A. SINGLES (4 PLACES):

CONDUCTOR: AWG 26(19 / 38)

SILVER PLATED HIGH STRENGTH COPPER ALLOY

INSULATION: PTFE OVER ePTFE

0.042 MAX OD PER SINGLE

COLORS: RED x GREEN, BLUE x ORANGE

## B. FILLER: FEP (0.015) OD

## C. BINDER: ePTFE

## D. SHIELD: AWG 38(1) SPC BRAID 92% MIN COVERAGE

## E. JACKET: 0.003 MIN WALL LASER MARKABLE WHITE ENGINEERED FLUOROPOLYMER (EF100)

# ELECTRICAL REQUIREMENTS (MEASURED ON 50 FT SAMPLE):

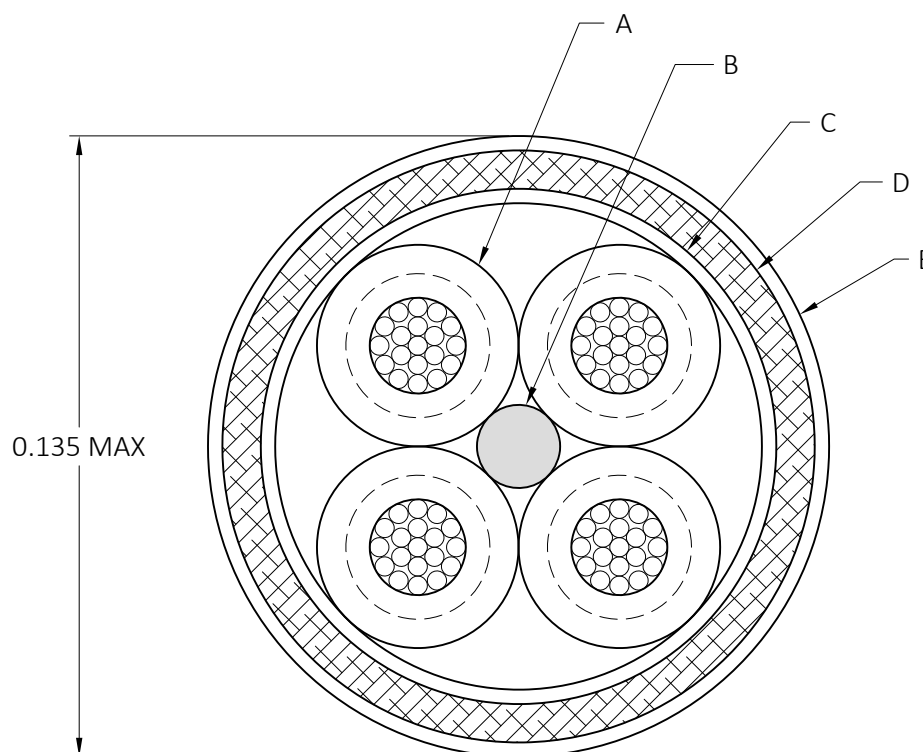
1. IMPEDANCE:  $100 \pm 10 \Omega$  MEASURED DIFFERENTIALLY
2. CAPACITANCE: (12.0) pF / FT (BETWEEN PAIRS, GROUND FLOATING)
3. TIME DELAY: (1.29) nSEC / FT
4. ATTENUATION: 10.0 dB / 100 FT MAX @ 100 MHz  
16.0 dB / 100 FT MAX @ 250 MHz  
23.0 dB / 100 FT MAX @ 500 MHz  
34.0 dB / 100 FT MAX @ 1 GHz
5. DIELECTRIC WITHSTANDING VOLTAGE:  
1500 V<sub>RMS</sub> (CONDUCTOR / CONDUCTOR)  
1000 V<sub>RMS</sub> (CONDUCTOR / SHIELD)
6. SKEW: 200 pSEC / 50 FT MAX WITHIN PAIR

# NOTES:

1. WEIGHT: 21.0 LB / 1000 FT MAX
2. TEMPERATURE: -55° C TO +200° C
3. MARKING: W L GORE AND ASSOCIATES INC  
PART NUMBER [PART NUMBER]  
CAGE CODE [CAGE CODE]
4. FUNTIONAL CHARACTERISTICS:  
MEETS OR EXCEEDS NEMA - WC27500 SECTION 3.9

## REVISIONS

Rev	Description	Date	Chg'd By
A	Production Release EM2 SPEC - 9270	14 SEP 2010	ECL
B	EM2 ECO - 8223 G.Lawton	15 JUN 2018	TKG
C	EM2 ECO - 8734 N.Reyes	08 FEB 2019	TKG
D	EM2 ECO - 8873 T.Mayer	22 MAR 2019	TKG
E	EM2 ECO - 11172 A.Battipaglia	15 NOV 2022	DED



PARENTHESES DENOTE REFERENCE DIMENSIONS	
DIMENSIONS ARE IN INCHES	UNLESS OTHERWISE SPECIFIED
DO NOT SCALE DRAWING	.X ± N/A
DEBURR 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 (R1999)	BREAKS AND FILLET N/A MAX



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Title				
AWG 2619 100 Ω QUAD CABLE				
Dwg Size	Sheet	Scale	Associated Documents	Drawn
A	1 of 1	25:1	N/A	ECL
Rev Date	Drawing Number		Rev Level	
15 NOV 2022	RCN8982		E	