

CONSTRUCTION: QUAD CABLE

A. SINGLES (4 PLACES):

CONDUCTOR: AWG 24(19 / 36) SILVER PLATED COPPER

INSULATION: PTFE OVER ePTFE

0.055 MAX DIAMETER PER SINGLE

COLORS: RED x GREEN, BLUE x ORANGE

B. FILLER: FEP, (0.022) DIAMETER

C. BINDER: ePTFE

D. SHIELD #1: AWG 40(1) SPC BRAID 92% MINIMUM COVERAGE

E. SHIELD #2: AWG 38(1) SPC BRAID 92% MINIMUM COVERAGE

F. JACKET: 0.003 MIN WALL LASER MARKABLE WHITE HSTF

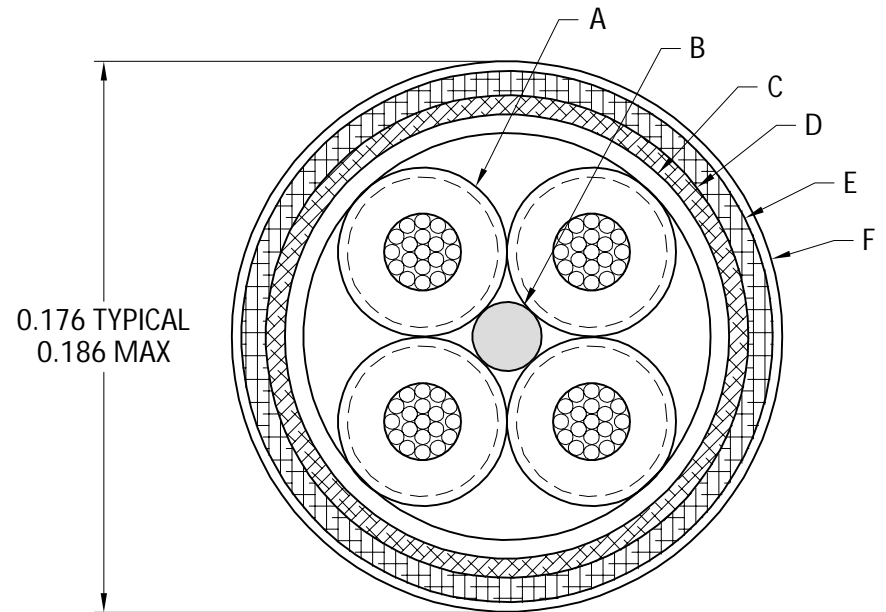
ELECTRICAL REQUIREMENTS (MEASURED ON 50 FT SAMPLE):

1. IMPEDANCE: $110^{+6}_{-4} \Omega$ MEASURED DIFFERENTIALLY
2. CAPACITANCE: 11.0 ± 1.0 pF / FT
BETWEEN PAIRS, GROUND FLOATING
3. TIME DELAY: (1.25) nSEC / FT
4. ATTENUATION: 6.8 dB / 100 FT MAX @ 100 MHz
10.9 dB / 100 FT MAX @ 250 MHz
15.5 dB / 100 FT MAX @ 500 MHz
22.5 dB / 100 FT MAX @ 1 GHz
5. DIELECTRIC WITHSTANDING VOLTAGE:
1500 V_{RMS} (CONDUCTOR / CONDUCTOR)
1000 V_{RMS} (CONDUCTOR / SHIELD)
6. SKEW: 200.0 pSEC / 50 FT MAX WITHIN PAIR

OTHER REQUIREMENTS:

1. WEIGHT: 31.0 LB / 1000 FT MAX
2. TEMPERATURE: -55° TO +200° C
3. MARKING:
W L GORE AND ASSOCIATES INC
PART NUMBER [PART NUMBER]
CAGE CODE [CAGE CODE]
4. FUNCTIONAL CHARACTERISTICS:
MEETS OR EXCEEDS
NEMA-WC27500 SECTION 3.9

REVISIONS			
Rev	Description	Date	Chg'd By
B	Construc. Changes & Note Changes	30 MAR 2006	ECL
C	Impedance & Capacitance Change	05 MAY 2006	ECL
D	Changed Tolerance On Overall Insulation	02 APR 2012	ECL
E	EM2 ECO - 8259 T.Mayer EM2 ECO - 8734 N.Reyes	26 JUN 2018 08 FEB 2019	TKG
F	EM2 ECO - 8873 T.Mayer	22 MAR 2019	TKG



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DO NOT SCALE DRAWING	.X ± N/A	Title AWG 2419 110 Ω QUAD CABLE			
DEBURR SHARP EDGES	.XX ± N/A	Dwg Size	Sheet	Scale	Associated Documents
	.XXX ± N/A	A	1 of 1	16:1	N/A
Third Angle Projection	.XXXX ± N/A	Rev Date	Drawing Number		Drawn
INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5M-1994 (R1999)	FRACTIONS ± N/A	22 MAR 2019	RCN8647		ECL
	ANGLES ± N/A				08 MAR 2006
	SURFACE TEXTURE N/A				Rev Level
	BREAKS AND FILLETS N/A MAX				F