

CONSTRUCTION: QUAD CABLE

A. SINGLES (4 PLACES):

CONDUCTOR: AWG 22(19 / 34) SILVER PLATED COPPER

INSULATION: PTFE OVER ePTFE

0.054 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: 5.5 dB / 100 FT MAX @ 100 MHz

8.8 dB / 100 FT MAX @ 250 MHz

12.8 dB / 100 FT MAX @ 500 MHz

18.2 dB / 100 FT MAX @ 1 GHz

5. DIELECTRIC WITHSTANDING VOLTAGE:

1500 V_{RMS} (CONDUCTOR/CONDUCTOR)

1000 V_{RMS} (CONDUCTOR/SHIELD)

6. SKEW: 200 pSEC / 50 FT MAX WITHIN PAIR

OTHER REQUIREMENTS:

1. WEIGHT: 41.0 LB / 1000 FT MAX

2. TEMPERATURE: -55° TO +200° C

3. MARKING:

W. L. GORE & ASSOCIATES, INC.

PART NUMBER [PART NUMBER]

CAGE CODE [CAGE CODE]

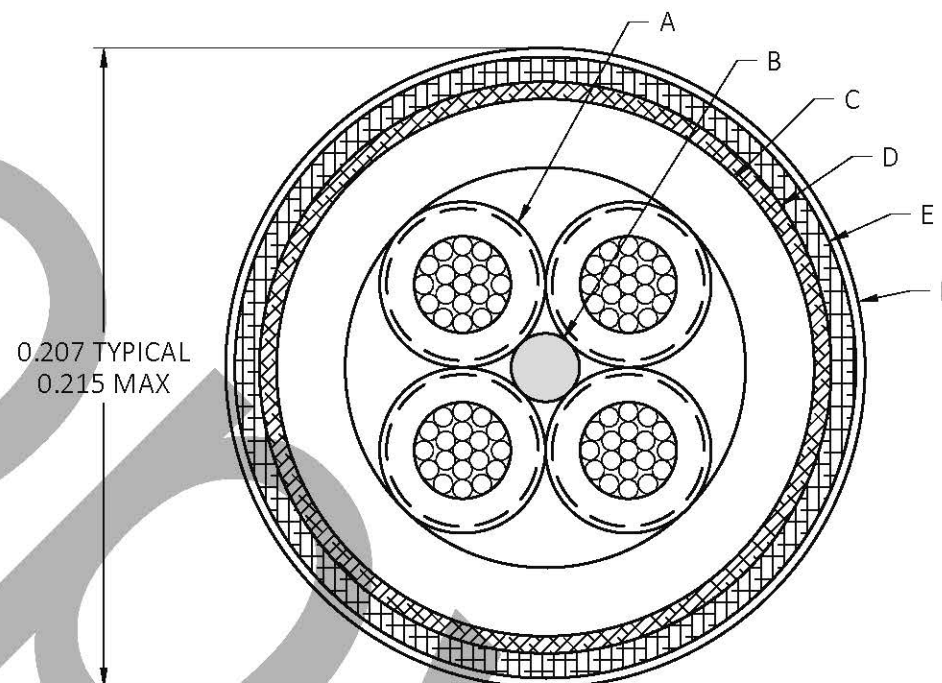
4. FUNCTIONAL CHARACTERISTICS:

MEETS OR EXCEEDS

NEMA-WC27500 SECTION 3.9

REVISIONS

Rev	Description	Date	Chg'd By
C	Capacitance Change PMWPS - 5305	05 MAY 2006	ECL
D	EM2 ECO - 7297 K.Ritchie	06 DEC 2016	DED
E	EM2 ECO - 8259 T.Mayer EM2 ECO - 8734 N.Reyes	02 JUL 2018 08 FEB 2019	TKG
F	EM2 ECO - 8873 T.Mayer	22 MAR 2019	TKG
G	EM2 ECO - 9401 L.Mastorilli	19 NOV 2019	TKG
H	EM2 ECO - 10319 L.Daitzman	23 APR 2021	DED



Valid only at time of printing

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DIMENSIONS ARE IN INCHES	UNLESS OTHERWISE SPECIFIED	Title AWG 2219 110 Ω QUAD CABLE	
DO NOT SCALE DRAWING	.X $\pm$ N/A	Dwg Size A	Sheet 1 of 1
DEBURR SHARP EDGES	.XX $\pm$ N/A	Scale 16:1	Associated Documents N/A
	.XXX $\pm$ N/A	Drawn ECL	Rev Date 23 APR 2021
Third Angle Projection	.XXXX $\pm$ N/A	Drawing Number RCN8645	
INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5M-1994 (R1999)	FRACTIONS $\pm$ N/A	RevLevel H	
	ANGLES $\pm$ N/A		
	SURFACE TEXTURE N/A		
	BREAKS AND FILLETS N/A MAX		