

CONSTRUCTION:

A. TWISTED SINGLES (2 PLACES):

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

INSULATION: PTFE OVER ePTFE (0.065) [(1.65) mm] OD PER SINGLE

COLORS: WHITE x BLUE

B. OVERALL SHIELD: AWG 40(1) SPC BRAID 92% MINIMUM COVERAGE

C. OVERALL JACKET: (0.003) [(0.076) mm] WALL

ENGINEERED FLUOROPOLYMER EF100 PTFE

COLOR: LASER MARKABLE WHITE

MARKING: W. L. GORE & ASSOCIATES, INC.

PART NUMBER

CAGE CODE [CAGE CODE]

FUNCTIONAL CHARACTERISTICS:

MEETS OR EXCEEDS NEMA-WC27500 SECTION 3.9

ELECTRICAL REQUIREMENTS:

1. IMPEDANCE: $100 \pm 10 \Omega$ MEASURED DIFFERENTIALLY
2. TIME DELAY: (1.24) nSEC / FT [(4.07) nSEC / m]
3. VELOCITY OF PROPAGATION: (80%)
4. CAPACITANCE: (11) pF / FT [(36.1) pF / m]
5. TYPICAL ATTENUATION: 7.6 dB / 100 FT @ 100 MHz
10.7 dB / 100 FT @ 200 MHz
17.3 dB / 100 FT @ 500 MHz
25.0 dB / 100 FT @ 1 GHz

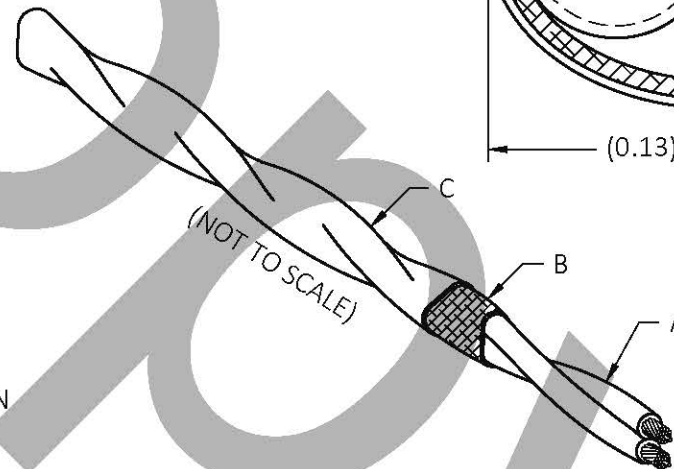
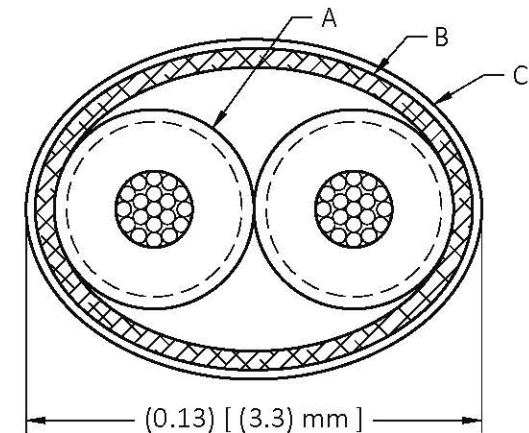
ATTENUATIONS NOT TO EXCEED +10% OF VALUES SHOWN

NOTES:

1. MINIMUM BEND RADIUS: 0.64 [16.2 mm]
2. WEIGHT: (11.8) LB / 1000 FT [(17.6) kg / km]
3. OPERATING TEMPERATURE: -55° C TO +200° C

REVISIONS

Rev	Description	Date	Chg'd By
A	PRODUCTION RELEASE T.Sharp	18 SEP 2013	DED
B	Update Mechanical and Electrical Data per T.Sharp	08 NOV 2013	DED
C	EM2 ECO - 7322 M.Frantz and Update Mechanical and Electrical Data per T.Sharp	15 DEC 2016	DED
D	EM2 ECO - 7349 M.Frantz	19 JAN 2017	TKG
E	EM2 ECO - 9111 T.Mayer	10 JUL 2019	TKG
F	EM2 ECO - 10370 D.Dixon (Spec Review)	26 MAY 2021	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
	SURFACE TEXTURE N/A
	BREAKS AND FILLET'S N/A MAX



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Title AWG 2419 100 Ω SHIELDED TWISTED PAIR				
Dwg Size A	Sheet 1 of 1	Scale 16:1	Associated Documents N/A	Drawn DED
Rev Date 26 MAY 2021	Drawing Number DXN2602		RevLevel 05 SEP 2013 F	