CONSTRUCTION:

A. TWISTED SINGLES (2 PLACES):
   CONDUCTOR: AWG 24(19 / 36) SILVER PLATED COPPER ALLOY
   INSULATION: PTFE OVER ePTFE
   COLORS: WHITE x BLUE, O.D. PER SINGLE (0.061) [(1.55) mm]
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 AND ASSOCIATES INC
   PART NUMBER
   CAGE CODE [CAGE CODE]
   FUNCTIONAL CHARACTERISTICS:
   MEETS OR EXCEEDS NEMA-WC27500 SECTION 3.9

ELECTRICAL REQUIREMENTS:

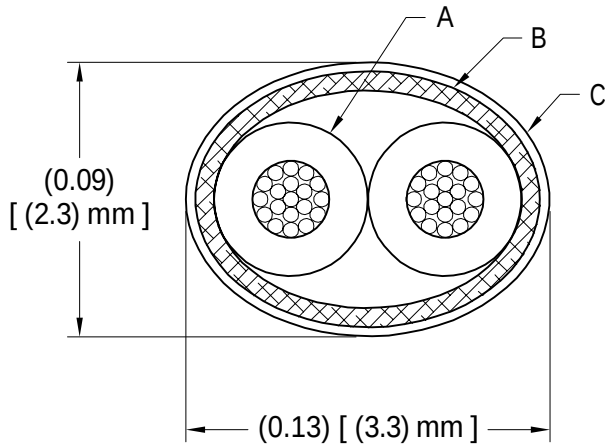
1. IMPEDANCE: 100±10 Ω MEASURED DIFFERENTIALLY
2. TIME DELAY: (1.24) nSEC / FT [(4.07) nSEC / m]
3. VELOCITY OF PROPAGATION: (80%)
4. CAPACITANCE: (13) pF / FT [(42.6) pF / m]
5. TYPICAL ATTENUATION: 7.6 dB / 100 FT @ 100 MHz
   10.7 dB / 100 FT @ 200 MHz
   17.3 dB / 100 FT @ 500 MHz
   25.0 dB / 100 FT @ 1 GHz

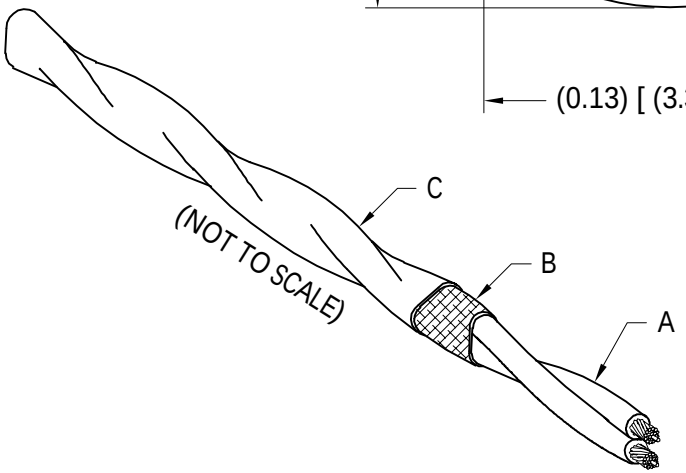
ATTENUATIONS NOT TO EXCEED +10% OF VALUES SHOWN

NOTES:

1. MINIMUM BEND RADIUS: 0.64 [16.2 mm]
2. WEIGHT: (11.3) LB / 1000 FT [(16.8) 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





PARENTHESES DENOTE REFERENCE DIMENSIONS

DIMENSIONS ARE IN INCHES
DO NOT SCALE DRAWING
DEBURR SHARP EDGES
Third Angle Projection
INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5M-1994 (R1999)

UNLESS OTHERWISE SPECIFIED

.X	±	N/A
.XX	±	N/A
.XXX	±	N/A
.XXXX	±	N/A
FRACTIONS	±	N/A
ANGLES	±	N/A

SURFACE TEXTURE N/A
BREAKS AND FILLETS N/A MAX

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Title: AWG 2419 100 Ω SHIELDED TWISTED PAIR

Dwg Size	Sheet	Scale	Associated Documents	Drawn	
A	1 of 1	16:1	N/A	DED	05 SEP 2013

Rev Date	Drawing Number	Rev Level
10 JUL 2019	DXN2602	E