

CONSTRUCTION:

- A. TWISTED SINGLES (2 PLACES)
 CONDUCTOR: AWG 22(19 / 34) SILVER PLATED COPPER ALLOY
 INSULATION: ePTFE / PTFE
 COLORS: WHITE x BLUE, O.D. PER SINGLE (0.080) [(2.03) mm]
 - B. OVERALL SHIELD: AWG 40(1) SPC BRAID 92% MINIMUM COVERAGE
 - C. OVERALL JACKET: (0.003) [(0.076) mm] WALL EF100 PTFE
 COLOR: LASER MARKABLE WHITE
 MARKING: W L GORE AND ASSOCIATES INC
 PART NUMBER DXN2601
 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. VOLTAGE RATING: 500 V
4. VELOCITY OF PROPAGATION: (80%)
5. CAPACITANCE: (13) pF / FT [(42.6) pF / m]
6. TYPICAL ATTENUATION: 6.6 dB / 100 FT @ 100 MHz
 9.8 dB / 100 FT @ 200 MHz
 15.7 dB / 100 FT @ 500 MHz
 23.5 dB / 100 FT @ 1 GHz

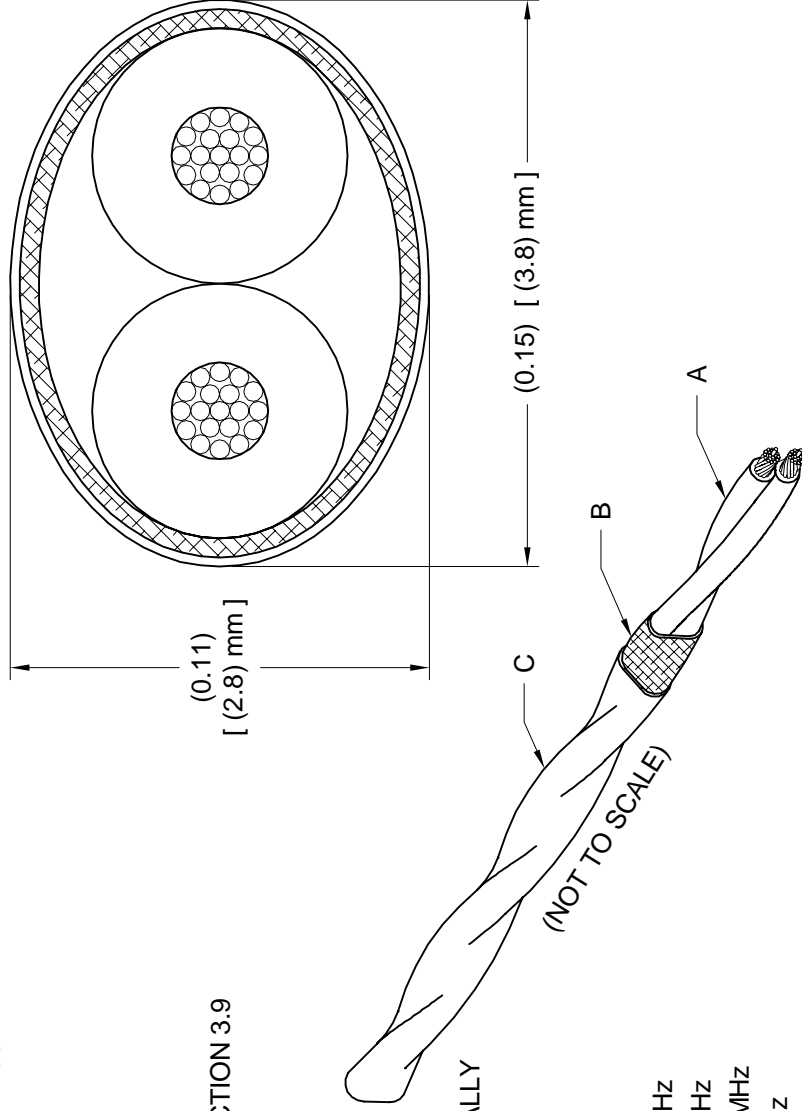
ATTENUATIONS NOT TO EXCEED +10% OF VALUES SHOWN

NOTES:

1. MINIMUM BEND RADIUS: 0.75 [19.1 mm]
2. WEIGHT: (15.6) LBS / 1000 FT [(23.2) 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	11 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



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Title		Drawing Number		Rev Level	
AWG 2219 100 Ω SHIELDED TWISTED PAIR	Associated Documents	DXN2601	DED	05 SEP 2013	D
Dwg Size	Sheet	Scale	Drawn		
A	1 of 1	16:1	N/A		
Rev Date	19 JAN 2017				

PARENTHESES DENOTE REFERENCE DIMENSIONS

UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES	.X ± N/A
DO NOT SCALE DRAWING	.XX ± N/A
DEBURR SHARP EDGES	.XXX ± N/A
	.XXXX ± N/A
	FRACTIONS ± N/A
	ANGLES ± N/A
	SURFACE TEXTURE N/A
	BREAKS AND FILLETS N/A MAX

Third Angle Projection	
INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5M-1994 (R1999)	