

**CONSTRUCTION:**

- A. TWISTED SINGLES (2 PLACES)  
 CONDUCTOR: AWG 26(19 / 38) SILVER PLATED COPPER ALLOY  
 INSULATION: ePTFE / PTFE  
 COLORS: WHITE x BLUE, O.D. PER SINGLE (0.049) [(1.24) 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 DXN2603  
 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: 9.4 dB / 100 FT @ 100 MHZ  
 13.8 dB / 100 FT @ 200 MHZ  
 21.5 dB / 100 FT @ 500 MHZ  
 31.2 dB / 100 FT @ 1 GHZ

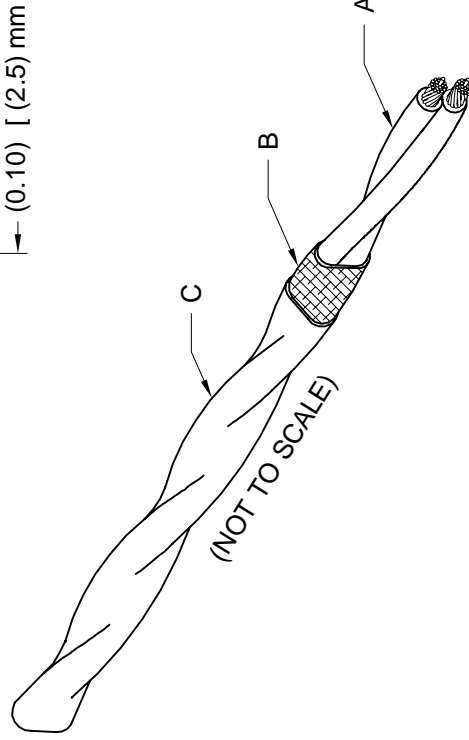
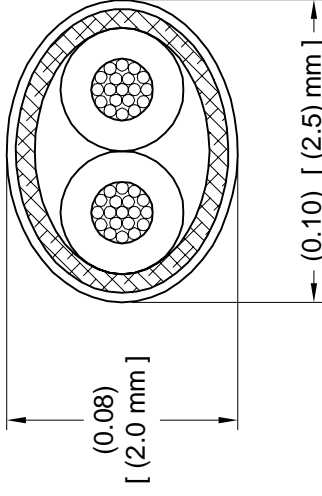
ATTENUATIONS NOT TO EXCEED +10% OF VALUES SHOWN

**NOTES:**

1. MINIMUM BEND RADIUS: 0.49 [ 12.6 mm ]
2. WEIGHT: (8.6) LBS / 1000 FT [(12.8) 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 - 7439 M.Frantz	19 JAN 2017	TKG



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Title		Drawing Number		Rev Level
AWG 2619 100 Ω SHIELDED TWISTED PAIR	Associated Documents	DXN2603	DED	D
Dwg Size	Sheet	Scale	Drawn	
A	1 of 1	16:1	DED	05 SEP 2013
Rev Date	19 JAN 2017			

**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
Third Angle Projection	SURFACE TEXTURE N/A
INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5M-1994 (R1999)	BREAKS AND FILLETS N/A MAX