

CONSTRUCTION:

- A. TWISTED SINGLES:
 CONDUCTOR: AWG 26(19 / 38)
 SILVER PLATED COPPER ALLOY (2 PLACES)
 INSULATION: PTFE OVER ePTFE (0.051) [(1.30) mm] OD (2 PLACES)
 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 DXN2603
 CAGE CODE [CAGE CODE]
- FUNCTIONAL CHARACTERISTICS:
 MEETS OR EXCEEDS NEMA-WC27500 SECTION 3.9

ELECTRICAL REQUIREMENTS:

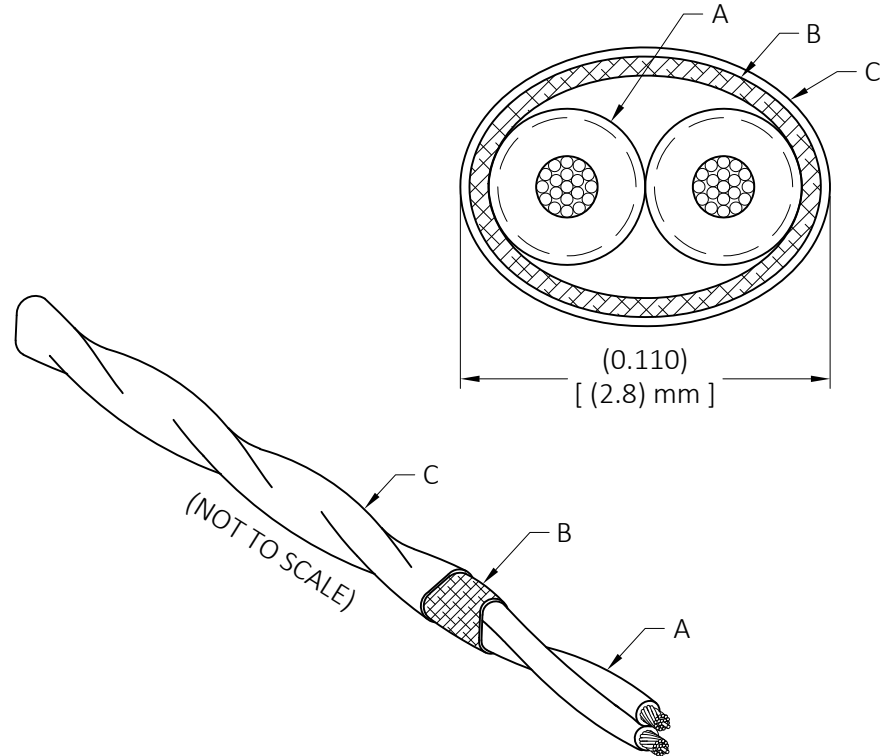
1. IMPEDANCE: 100±10 Ω MEASURED DIFFERENTIALLY
2. TIME DELAY: (1.24) nSEC / FT [(4.07) nSEC / m]
3. VELOCITY OF PROPAGATION: (80%)
4. CAPACITANCE: (13) pF / FT [(42.6) pF / m]
5. TYPICAL ATTENUATION: 9.4 dB / 100 FT @ 100 MHz
 13.8 dB / 100 FT @ 200 MHz
 21.5 dB / 100 FT @ 500 MHz
 31.2 dB / 100 FT @ 1 GHz

ATTENUATIONS NOT TO EXCEED +10% OF VALUES SHOWN

NOTES:

1. MINIMUM BEND RADIUS: 0.49 [12.6 mm]
2. WEIGHT: (8.6) LB / 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 EM2 SPEC - 11186	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
E	EM2 ECO - 9111 T.Mayer	10 JUL 2019	TKG
F	EM2 ECO - 10289 A.Battipaglia	12 APR 2021	DED



DIMENSIONS ARE IN INCHES		UNLESS OTHERWISE SPECIFIED	
DO NOT SCALE DRAWING	.X ± N/A		
DEBURR SHARP EDGES	.XX ± N/A		
 Third Angle Projection	.XXX ± N/A		
	.XXXX ± N/A		
 INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5M-1994 (R1999)	FRACTIONS ± N/A		
	ANGLES ± N/A		
SURFACE TEXTURE		N/A	MAX
BREAKS AND FILLETS		N/A	MAX

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Title: AWG 2619 100 Ω SHIELDED TWISTED PAIR			
Dwg Size	Sheet	Scale	Associated Documents
A	1 of 1	16:1	N/A
Rev Date	Drawing Number		Drawn
12 APR 2021	DXN2603		DED 05 SEP 2013
			Rev Level
			F