

CONSTRUCTION: QUAD CABLE

A. SINGLES (4 PLACES)

CONDUCTOR: AWG 28(19 / 40) SILVER PLATED COPPER ALLOY

PRIMARY INSULATION: ePTFE (AGAINST CONDUCTOR)

SECONDARY INSULATION: PTFE

OUTSIDE DIAMETER: (0.029)

COLORS: BLACK x BLUE, WHITE x GREEN

B. FILLER: FEP (0.014) DIAMETER

C. BINDER: ePTFE

D. SHIELD #1: AWG 40(1) SPC BRAID

E. SHIELD #2: AWG 40(1) SPC BRAID

F. JACKET: (0.003) WALL WHITE EF100

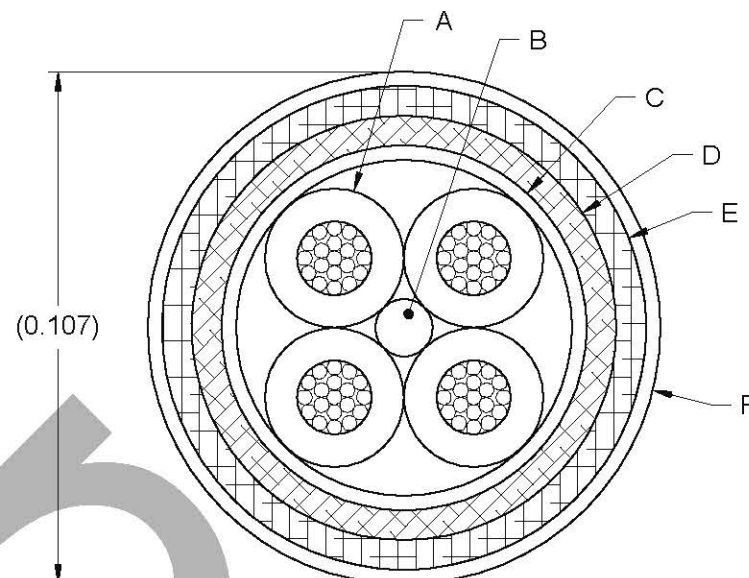
ELECTRICAL REQUIREMENTS:

1. IMPEDANCE: $100 \pm 10 \Omega$ MEASURED DIFFERENTIALLY
2. TIME DELAY: (1.25) nSEC / FT
3. MAX ATTENUATION: 20.5 dB / 100 FEET @ 250 MHz
28.9 dB / 100 FEET @ 500 MHz
41.3 dB / 100 FEET @ 1 GHz
4. SKEW: 200.0 pSEC / 50 FT MAX WITHIN PAIR

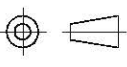
OTHER REQUIREMENTS:

1. TEMPERATURE: -55° C TO +200° C
2. FUNCTIONAL CHARACTERISTICS: MEETS OR EXCEEDS NEMA-WC27500 SECTION 3.9

REVISIONS			
Rev	Description	Date	Chg'd By
A	PRODUCTION RELEASE	13 APR 2010	ECL
B	Revised Attenuation Requirements	26 MAY 2010	ECL
C	EM2 ECO - 7343 G.Lawton	24 JAN 2017	TKG



Valid only at time of printing

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DIMENSIONS ARE IN INCHES	UNLESS OTHERWISE SPECIFIED	Title				
DO NOT SCALE DRAWING	.X ± N/A	AWG 2819 100 Ω QUAD CABLE				
DEBURR SHARP EDGES	.XX ± N/A					
	.XXX ± N/A					
 Third Angle Projection	.XXXX ± N/A	Dwg Size Sheet Scale Associated Documents Drawn				
	FRACTIONS ± N/A	A 1 of 1 25:1 N/A ECL 04 MAR 2010				
	ANGLES ± N/A	Rev Date Drawing Number Rev Level				
INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5M-1994 (R1999)	SURFACE TEXTURE N/A ✓	24 JAN 2017 RCN8973 C				
	BREAKS AND FILLETS N/A MAX					