

CONSTRUCTION: QUAD CABLE

- A. CONDUCTOR: AWG 28(19 / 40) SP HIGH STRENGTH COPPER ALLOY
- B. PRIMARY INSULATION: ePTFE (AGAINST CONDUCTOR)
- C. SECONDARY INSULATION: PTFE, 0.044 DIAMETER MAX
COLORS: RDXGN, BUXOR
- D. FILLER: FEP, (0.011) DIAMETER
- E. BINDER: ePTFE
- F. SHIELD #1: AWG 40(1) SPC BRAID, 92% MINIMUM COVERAGE
- G. SHIELD #2: AWG 40(1) SPC BRAID, 92% MINIMUM COVERAGE
- H. JACKET: 0.003 MINIMUM WALL LASER MARKABLE WHITE HSTF
OVERALL DIAMETER: (0.110)

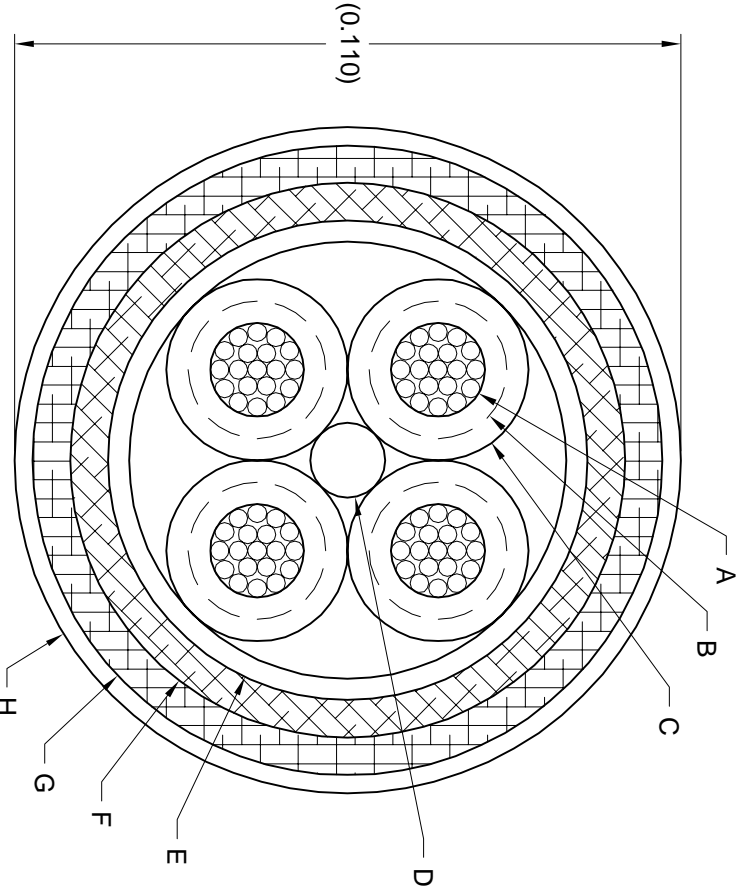
ELECTRICAL REQUIREMENTS (MEASURED ON 50 FT SAMPLE):

- 1. IMPEDANCE: $110^{+6}_{-4} \Omega$ MEASURED DIFFERENTIALLY
- 2. CAPACITANCE: 11.0 ± 1.0 pF / FT
(BETWEEN PAIRS, GROUND FLOATING)
- 3. TIME DELAY: (1.28) nSEC / FT
- 4. ATTENUATION: 14.8 dB / 100 FT MAX @ 100 MHZ
22.0 dB / 100 FT MAX @ 250 MHZ
28.9 dB / 100 FT MAX @ 500 MHZ
41.3 dB / 100 FT MAX @ 1 GHZ
- 5. DIELECTRIC WITHSTANDING VOLTAGE:
1500 V_{RMS} (CONDUCTOR / CONDUCTOR)
1000 V_{RMS} (CONDUCTOR / SHIELD)

OTHER REQUIREMENTS:

- 1. WEIGHT: 14.0 LBS / 1000 FT MAXIMUM
- 2. TEMPERATURE: -55° C TO +200° C
- 3. MARKING: MANUFACTURER'S PART NUMBER
AND CAGE CODE PER NEMA-WC27500
- 4. FUNCTIONAL CHARACTERISTICS: MEETS OR
EXCEEDS NEMA-WC27500 SECTION 3.8

REVISIONS			
Rev	Description	Date	Chg'd By
A	PRODUCTION RELEASE T:Sharp	02 JUL 2014	DED



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

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110 OHM QUAD CABLE, AWG 28

Dwg Size	Sheet	Scale	Associated Documents	Drawn	Date
A	1 of 1	32:1	EM2 SPEC-11537	DED	02 JUL 2014
Rev Date	Drawing Number			Rev Level	
02 JUL 2014	RCN9056			A	

