

CONSTRUCTION: QUAD CABLE

- A. CONDUCTOR: AWG 22(19/34) SPC
- B. PRIMARY INSULATION - ePTFE (AGAINST CONDUCTOR)
- C. SECONDARY INSULATION - PTFE, .054 DIA. MAX. COLORS: RD, BU, GN, OR (PAIRS = RDxGN, BUxOR)
- D. FILLER: FEP, .022 DIA. NOM.
- E. BINDER: ePTFE
- F. SHIELD #1: AWG 40(1) SPC BRAID, 92% MIN. COVERAGE
- G. SHIELD #2: AWG 38(1) SPC BRAID, 92% MIN. COVERAGE
- H. JACKET: .003 MIN. WALL LASER MARKABLE WHITE HSTF OVERALL DIAMETER: .195 TYP., .205 MAX.

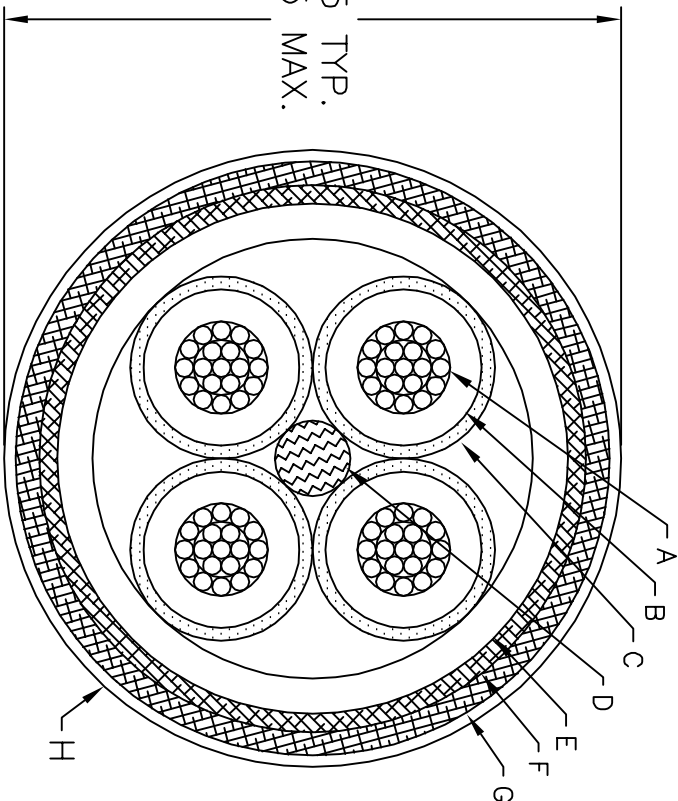
ELECTRICAL REQUIREMENTS (MEASURED ON 50 FT SAMPLE):

- 1. IMPEDANCE: 110 +6/-4 OHMS MEASURED DIFFERENTIALLY
- 2. CAPACITANCE: 11.0 ± 1.0 pf/ft (BETWEEN PAIRS, GROUND FLOATING)
- 3. TIME DELAY: 1.25 ns/ft NOM.
- 4. ATTENUATION: 5.5 dB/100 ft MAX. @ 100 MHZ
8.8 dB/100 ft MAX. @ 250 MHZ
12.8 dB/100 ft MAX. @ 500 MHZ
18.2 dB/100 ft MAX. @ 1 GHZ
- 5. DIELECTRIC WITHSTANDING VOLTAGE:
1500 Vrms (CONDUCTOR/CONDUCTOR)
1000 Vrms (CONDUCTOR/SHIELD)
- 6. SKEW: 200 ps/50 ft MAX. WITHIN PAIR

OTHER REQUIREMENTS:

- 1. WEIGHT: 41.0 lbs./ 1000 ft. MAX.
- 2. TEMPERATURE: -55 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	08 MAR 2006	-
B	Jacket Color Change, Removed I.D. Tape	30 MAR 2006	EL
C	Capacitance Change	05 MAY 2006	EL



ALL NOMINAL DIMENSIONS HAVE A TOLERANCE OF ±10%	
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
	BREAKS AND FILETS n/a
	MAX

GORE

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Title: 110 OHM QUAD CABLE; AWG 22

Dwg Size	Sheet	Scale	Checked By	Drawn By	Rev Level
A	1 of 1	20:1	ECL	ECL	08 MAR 2006
Rev Date	30 MAR 2006		Drawing Number	RCN 8645	