

8 7 6 5 4 3 2 1

REVISIONS			
Rev	Description	Date	Chg'd By
A	Initial Release EM2 SPEC - 12067 J.Moore Was RCN9047 (-24 or -26) REV D per EM2 SPEC - 11507	11 NOV 2015	DED
E	EM2 ECO - 7310 M.Hanna	13 DEC 2016	DED
F	EM2 ECO - 8212 G.Lawton	08 JUN 2018	DED

CONSTRUCTION:

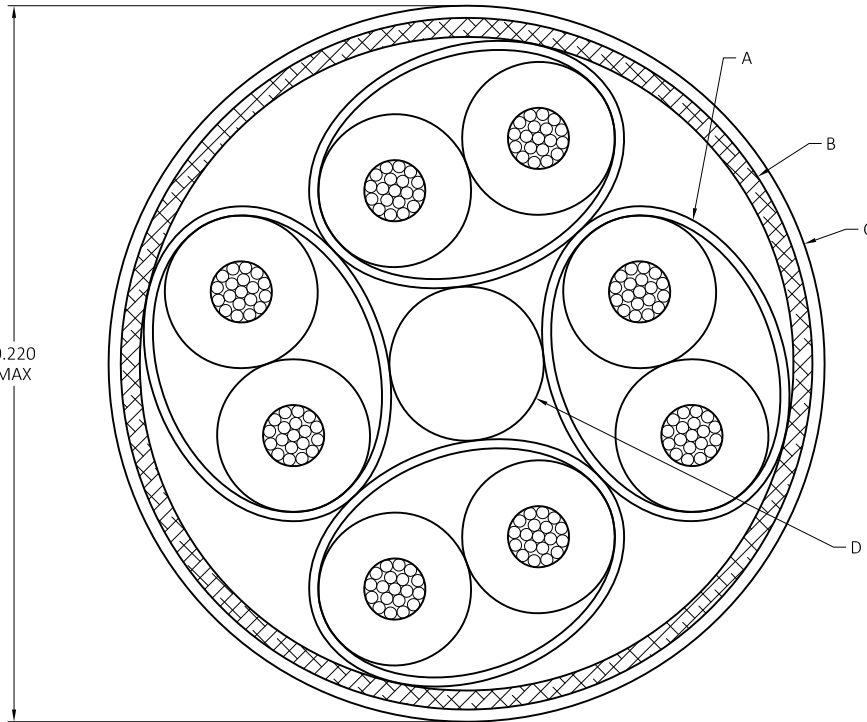
- A. SHIELDED TWISTED PAIR (4 PLACES)
 CONDUCTOR: AWG 26(19 / 38) SPAL (2 PLACES)
 INSULATION: ePTFE / PTFE (2 PLACES)
 (0.050) DIAMETER
 COLORS: BU x WH/BU, OR x WH/OR,
 GN x WH/GN, BN x WH/BN
 PAIR SHIELD: ALUMINIZED POLYIMIDE
 (ALUMINUM OUT)
- B. OVERALL SHIELD: AWG 40(1) SPC BRAID
 92% MINIMUM COVERAGE
- C. OVERALL JACKET: WHITE LASER MARKABLE EF100
 (0.004) WALL
- D. FILLER: FEP / ePTFE (0.036) DIAMETER (1 PLACE)

ELECTRICAL REQUIREMENTS:

- 1. IMPEDANCE: $100 \pm 10^5 \Omega$ MEASURED DIFFERENTIALLY
- 2. TIME DELAY: (1.24) nSEC / FT
- 3. CAPACITANCE: (12.5) pf / FT
- 4. MAXIMUM ATTENUATION: 5.9 dB / 65 METERS @ 10 MHz
 19.1 dB / 65 METERS @ 100 MHz
 27.6 dB / 65 METERS @ 200 MHz
 31.1 dB / 65 METERS @ 250 MHz
 45.3 dB / 65 METERS @ 500 MHz
- 5. NEXT (MAXIMUM): -74.3 dB @ 1 MHz
 -59.2 dB @ 10 MHz
 -52.3 dB @ 100 MHz
 -47.9 dB @ 250 MHz
 -42.2 dB @ 500 MHz

NOTES:

- 1. LASER MARK CABLE WITH PART NUMBER RCN9047-26 AND CAGE CODE
- 2. OPERATING TEMPERATURE: -65° C TO +200° C
- 3. WEIGHT: 32.0 LBS NOMINAL / 1000 FT
 35.0 LBS MAXIMUM / 1000 FT
- 4. ELECTRICAL CHARACTERISTICS TO BE TESTED AT INDICATED LENGTH
- 5. MINIMUM SHIP LENGTH IS 30 METERS
- 6. THIS CABLE MEETS TIA568 C.2, CATEGORY 6A ELECTRICAL REQUIREMENTS UP TO 65 METERS



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A

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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 FILETS N/A MAX

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Title: **HIGH SPEED ETHERNET CABLE AWG 2619**

Dwg Size	Sheet	Scale	Associated Documents	Drawn
B	1 of 1	25:1	N/A	DED
Rev Date	Drawing Number		Rev Level	
08 JUN 2018	RCN9047 - 26		F	