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REVISIONS			
Rev	Description	Date	Chg'd By
01	Initial Release EM2 SPEC - 12022 T.Sharp	20 OCT 2015	DED
A	EM2 ECO - 7167 M.Oster	24 MAY 2016	DED
B	EM2 ECO - 7334 M.Oster	15 DEC 2016	DED
C	EM2 ECO - 9238 T.Mayer	05 SEP 2019	TKG
D	EM2 ECO - 10695 L.Mastrorilli	27 JAN 2022	TKG

CONSTRUCTION:

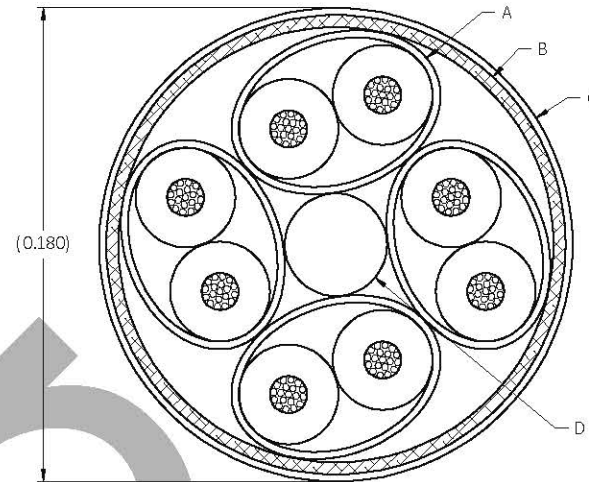
- A. SHIELDED TWISTED PAIR (4 PLACES)
 CONDUCTOR: AWG 28(19 / 40) SPAL (2 PLACES)
 INSULATION: ePTFE / PTFE (2 PLACES)
 (0.041) DIAMETER
 COLORS: BLUE x WHITE / BLUE, ORANGE x WHITE / ORANGE
 GREEN x WHITE / GREEN, BROWN x WHITE / BROWN
 PAIR SHIELD: ALUMINIZED POLYIMIDE
 (ALUMINUM OUT)
- B. OVERALL SHIELD: AWG 42(1) SPC BRAID
 92% MINIMUM COVERAGE
- C. OVERALL JACKET: (0.003) WALL WHITE LASER MARKABLE
 ENGINEERED FLUOROPOLYMER EF100
- D. FILLER: FEP / ePTFE (0.029) DIAMETER (1 PLACE)

ELECTRICAL REQUIREMENTS:

- 1. IMPEDANCE: $100 \pm 10 \Omega$ MEASURED DIFFERENTIALLY
- 2. TIME DELAY: (1.29) nSEC / FT
- 3. CAPACITANCE: (13.0) pF / FT
- 4. MAXIMUM ATTENUATION: 5.9 dB / 45 METERS @ 10 MHz
 19.1 dB / 45 METERS @ 100 MHz
 27.6 dB / 45 METERS @ 200 MHz
 31.1 dB / 45 METERS @ 250 MHz
 45.3 dB / 45 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 RCN9034-28 AND CAGE CODE
- 2. OPERATING TEMPERATURE: -65° C TO +200° C
- 3. WEIGHT: 25 LB / 1000 FT MAX
- 4. ELECTRICAL CHARACTERISTICS TO BE TESTED AT INDICATED LENGTH
- 5. MINIMUM SHIP LENGTH IS 15 METERS
- 6. THIS CABLE MEETS TIA568C.2 CATEGORY 6A REQUIREMENT UP TO 45 METERS
- 7. RoHS COMPLIANT TO EU DIRECTIVE 2011/65/EU (RoHS RECAST) INCLUDING COMMISSION DELEGATED DIRECTIVE 2015/863



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Title: AWG 2819 AEROSPACE HIGH SPEED ETHERNET CABLE Dwg Size: B Sheet: 1 of 1 Scale: 20:1 Date: 27 JAN 2022		Part: RCN9034-28 Drawn: DED Date: 20 OCT 2015 Drawing Number: RCN9034-28 Rev Level: D	

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