

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:

- 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)
- OVERALL SHIELD: AWG 42(1) SPC BRAID
92% MINIMUM COVERAGE
- OVERALL JACKET: (0.003) WALL WHITE LASER MARKABLE
ENGINEERED FLUOROPOLYMER EF100
- FILLER: FEP / ePTFE (0.029) DIAMETER (1 PLACE)

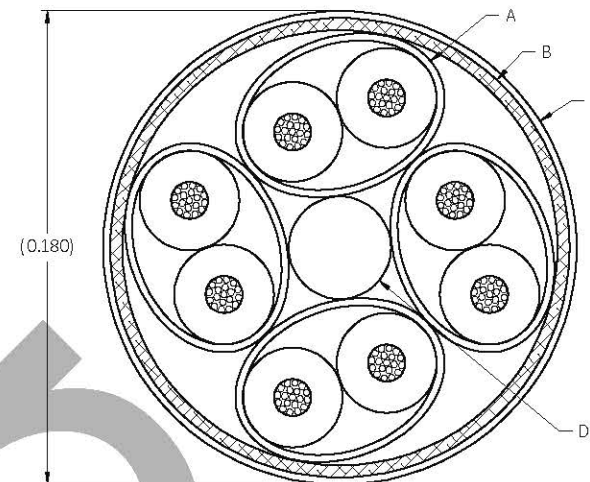
ELECTRICAL REQUIREMENTS:

- IMPEDANCE: $100 \pm 10 \Omega$ MEASURED DIFFERENTIALLY
- TIME DELAY: (1.29) nSEC / FT
- CAPACITANCE: (13.0) pF / FT
- 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
- 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:

- LASER MARK CABLE WITH PART NUMBER RCN9034-28 AND CAGE CODE
- OPERATING TEMPERATURE: -65° C TO +200° C
- WEIGHT: 25 LB / 1000 FT MAX
- ELECTRICAL CHARACTERISTICS TO BE TESTED AT INDICATED LENGTH
- MINIMUM SHIP LENGTH IS 15 METERS
- THIS CABLE MEETS TIA568C.2 CATEGORY 6A REQUIREMENT UP TO 45 METERS
- RoHS COMPLIANT TO EU DIRECTIVE 2011/65/EU (RoHS RECAST) INCLUDING COMMISSION DELEGATED DIRECTIVE 2015/863

Valid only at time of printing



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DONOT SCALE DRAWING	.X ± N/A	.XX ± N/A					
DEBURR SHARP EDGES	.XXX ± N/A	.XXXX ± N/A					
	.XXXX ± N/A	FRACTIONS ± N/A					
		ANGLES ± N/A					
Third Angle Projection							
INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.38-1994 (B1.9.9)		SURFACE TEXTURE BREAKS AND FILLETS		N/A MAX		Part Dwg Size Sheet Scale AWG 2819 AEROSPACE HIGH SPEED ETHERNET CABLE B 1 of 1 20:1 N/A DED 20 OCT 2021 Rev Date Drawing Number Rev Level 27 JAN 2022 RCN9034-28 D	