

**CONSTRUCTION:**

- A. SHIELDED TWISTED PAIR (4 PLACES)  
 CONDUCTOR: AWG 26(19 / 38) SILVER PLATED ALLOY (2 PLACES)  
 INSULATION: PTFE OVER ePTFE (2 PLACES)  
 COLORS: BLUE x WHITE, RED x WHITE,  
 GREEN x WHITE, BROWN x WHITE  
 DRAIN: AWG 26(19 / 38) SPC  
 SHIELD: ALUMINUM KAPTON (ALUMINUM IN)  
 JACKET: (0.003) WALL ePTFE
- B. SINGLE INSULATED CONDUCTOR (4 PLACES)  
 CONDUCTOR: AWG 28(19 / 40) SPC  
 INSULATION: (0.011) WALL ePTFE COMPOSITE  
 COLORS: WHITE, ORANGE, YELLOW, VIOLET
- C. TWISTED TRIAD  
 SINGLE INSULATED CONDUCTOR (3 PLACES):  
 CONDUCTOR: AWG 26(19 / 38) SPC  
 INSULATION: (0.003) WALL ENGINEERED FLUOROPOLYMER  
 COLORS: GREY, PINK, TAN
- D. OVERALL BINDER: (0.003) ePTFE
- E. OVERALL SHIELD: AWG 38(1) SPC BRAID
- F. OVERALL JACKET: (0.005) WALL ENGINEERED FLUOROPOLYMER, GREY

**ELECTRICAL REQUIREMENTS (CONSTRUCTION A ONLY):**

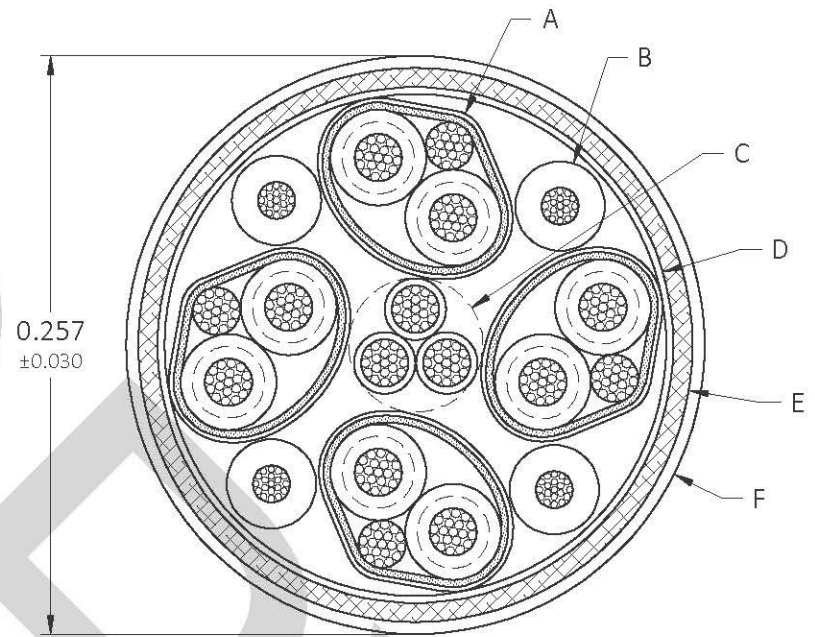
1. DIFFERENTIAL IMPEDANCE: 100 ±10 Ω
2. TYPICAL ATTENUATION AT 5 METERS:  
 4.9 dB / 5 METERS @ 1 GHz  
 8.5 dB / 5 METERS @ 2 GHz  
 12 dB / 5 METERS @ 3 GHz
3. SKEW: 15 pSEC / METER MAX

**OVERALL CABLE SPECS:**

1. VOLTAGE RATING: 150 V
2. WEIGHT: (52.0) LB / 1000 FT
3. MINIMUM BEND RADIUS:  
 2X OUTSIDE DIAMETER OF CABLE

Valid only at time of printing

REVISIONS			
Rev	Description	Date	Chg'd By
01	Initial Release EM2 SPEC - 12578 J.Moore	15 DEC 2016	DED
A	EM2 ECO - 7723 J.Moore	29 NOV 2017	DED
B	EM2 ECO - 7782 R.Werner	04 JAN 2018	TKG
C	EM2 ECO - 10425 L.Mastrorilli	19 JUL 2021	TKG



**NOTES:**

1. FAR 25 60 DEGREE BURN TEST
2. TEMPERATURE RATING: 200° C
3. REACH AND RoHS COMPLIANT

PARENTHESES DENOTE REFERENCE DIMENSIONS	
DIMENSIONS ARE IN INCHES	UNLESS OTHERWISE SPECIFIED
DO NOT SCALE DRAWING	.X ± N/A
DEBURR SHARP EDGES	.XX ± N/A
 Third Angle Projection	.XXX ± N/A
	.XXXX ± N/A
 SURFACE TEXTURE	FRACTIONS ± N/A
	ANGLES ± N/A
INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5M-1994 (R1999)	BREAKS AND FILLETS N/A MAX

**GORE**

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Title <b>LIGHTWEIGHT HDMI 2.0 COMPLIANT AEROSPACE CABLE</b>				
Dwg Size <b>A</b>	Sheet 1 of 1	Scale 12.5:1	Associated Documents N/A	Drawn DED
Rev Date 19 JUL 2021	Drawing Number <b>RCN9121</b>		19 SEP 2016 Rev Level <b>C</b>	