

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 $\pm$ 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

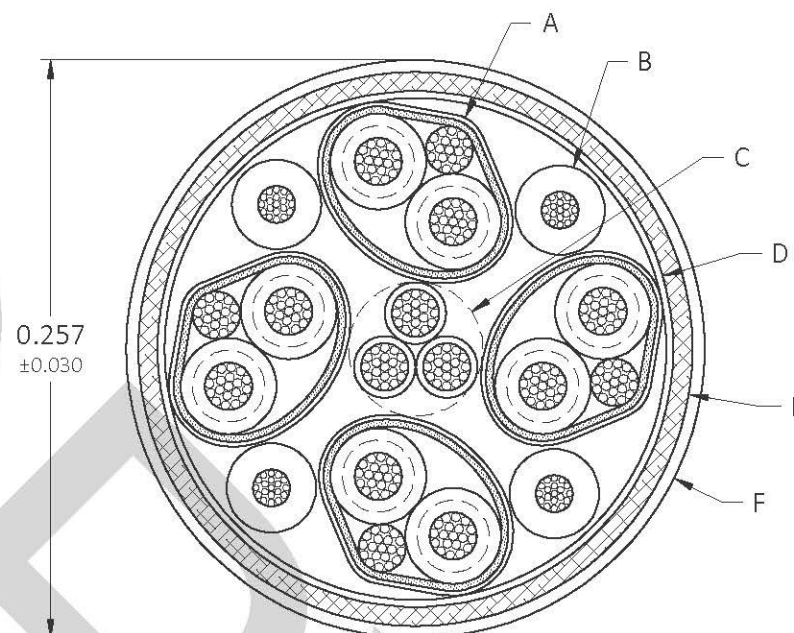
3. MINIMUM BEND RADIUS:

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 $\pm$ N/A
DEBURR SHARP EDGES	.XX $\pm$ N/A
	.XXX $\pm$ N/A
Third Angle Projection	.XXXX $\pm$ N/A
INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5M-1994 (R1999)	FRACTIONS $\pm$ N/A
	ANGLES $\pm$ N/A
	SURFACE TEXTURE N/A
	BREAK AND FILLET N/A MAX



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