CABLE PLUS INC.
Voice, Data, HVAC, Sound & Security

2012 CORPORATE LANE, SUITE 116 NAPERVILLE, IL 60563 TOLL FREE: 888-888-8045

Part #: AV182LUT-44/10

Lutron System Specific

Description: 18 AWG, 2 conductor shielded 600V instrumentation/control tray cable constructed with stranded bare copper, PVC/Nylon insulation, an aluminum/mylar shielded with a stranded tinned copper drain wire and an overall PVC jacket. Jacket is sunlight resistant and cable is (UL) CM or TC approved for 600V, 90°C Dry or 75°C Wet

1. Conductor

1.1. AWG Size & Stranding:	18 AWG, Class B 7 Strand
1.2. Material:	Annealed Bare Copper
1.3. Conductor Count:	2 Conductors

2. Insulation

2.1. Material:	Polyvinylchloride & Nylon per UL Standard 62, Type TFFN/VW-1
2.2. Wall Thickness:	0.015" PVC & 0.005" Nylon -
2.3. Color Code:	Red, Black, Green, White

3. Assembly

3.1. Lay Length:	4.00" LHL nominal
3.2. Fillers:	N/A
3.3. Binder:	N/A
3.4. Shield:	Aluminum/Mylar Tape - 100% coverage
3.5. Drain Wire:	20 AWG, 7 Strand Tinned Copper

4. Jacket

4.1. Material:	Polyvinylchloride per UL Standard 1277
4.2. Wall Thickness:	0.045" - The minimum at any point shall not be less than 80% of the specified wall thickness
4.3. Diameter:	0.262"
4.4. Color:	Light Blue/Pink
4.5. Weight:	40 lbs./Mft.
4.6. Ripcord:	Yes

5. Markings

5.1. Type:	Cables shall be permanently identified via surface inkjet print
5.2. Legend:	AVALANCHE, MFG FOR LUTRON HOMEWORKS SUSTEMS ROOM A B C D E 0 1 2 3 4 5 6 7 8 9 E208309 18AWG 2C SHIELDED (UL) CM C(UL)US 75'C OR (UL) TC PVC/NYLON 600V 90'C DRY 75'C WET PVC JACKET SUN RES DIR BUR (WORK ORDER #) "ROHS"
5.3. Footage Markers:	Ascending/Descending footage markers

6. Nominal Electrical Characteristics

6.1. Impedance:	50 Ω
6.2. Capacitance:	44.5 pF/ft.+/-10%
6.3. DC Resistance:	5.86 Ω/Mft. @ 20°C

7. Standards

7.1. Refer to NEC (NFPA 70) article 800 and article 720 for installation guidelines
7.2. UL listed as Type CM or TC per UL Standard 1277 for tray cables
7.3. Individual conductors pass UL VW-1 flame test, rated TFFN/VW-1
7.4. Cable meets IEEE 383 & UL 1581 70,000 BTU/HR flame test requirements
7.5. Cable meets ICEA S-95-658, where applicable
7.6. All materials used in the manufacture of this cable are RoHS compliant
7.7. Recommended Operating Voltage: 300V
7.8. Made in the USA

ALL SPECIFIED PARAMETERS ARE NOMINAL AND SUBJECT TO VERIFICATION