WIREPATH

BULK WIRE

SP-LUT2-1000

22AWG, 2 Conductor Shielded Pair + 12AWG, 2 Conductor Unshielded + 18AWG, 1 Conductor, CL3

Features

- Oxygen - Free Copper conductors ensure signal integrity
- Perfect for long distance applications

Application

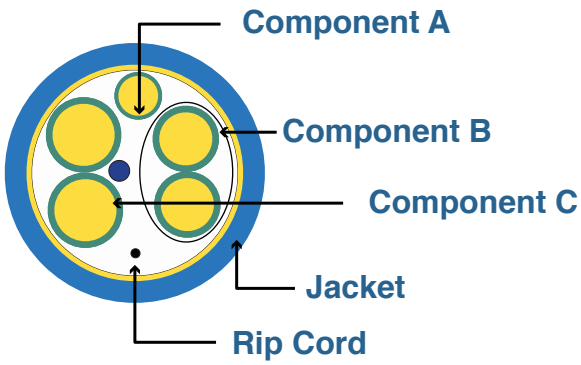
- Power limited circuit cable for use a fixed wiring within buildings principally for class 3 and class 2 circuits.
- Control system applications such as Crestron, Lutron, and AMX
- Transfers data and power over a single bundle

Flame Test

- UL & c(UL) Flame Test: CL3 & CMG
- Rated Temp: 75ºC
- Rated Voltage: 300V
- Production Standard: UL 13 & 444
- UL Certifcation: (UL) CL3 and c(UL) CMG

Applicable Standards

• NEC/(UL) Specifications	CMG
• NEC Articles	800
• CEC/(UL) Specifications	CMG



Material and Construction			
Component A		1 core	
AWG	18		
Stranding	42/0.16 BC		
Insulation	Material	SR PVC	
	Avg. Thickness (mm)	0.35 ± 0.04	
	Insulation Diameter (mm)	1.9 ± 0.15mm	
Component B		1 pair	
AWG	22		
Stranding	7/0.254 BC		
Insulation	Material	SR PVC	
	Nominal Thickness (mm)	0.25 ± 0.08	
	Insulation Diameter (mm)	1.25 ± 0.05	
Drain wire	7/0.20 TC		
Screen	Al-foil (≥ 100%)		
Component C		2 cores	
AWG	12		
Stranding	65/0.25 BC		
Insulation	Material	PVC	
	Nominal Thickness (mm)	0.3mm	
	Insulation Diameter (mm)	2.9 ±0.08 mm	
Components A, B & C Combined Together			
Rip Cord	150D x 6		
Jacket	PVC		
	Diameter	7.6mm	
	Norm. Thickness	0.65mm	
Marking	WIREPATH™ BULK WIRE BY SNAPAV LUT2 OXYGEN FREE COPPER 12AWG 2C + 18AWG 1C + 22AWG 1PR SHIELDED E325181-HY (UL) CL3 or E325177-HY c(UL) CMG FT4 75C DDMMYY "ROHS" XXX/XXX FT		

Performance		
Physical & Electrical Characteristics (at 20°C)		
Minimum Bending Radius	≥ 15 * Φ	
Spark test	2500V DC	
Cable cold bend	-20°C for 4 hours	
Conductor DC resistance	22awg	≤ 55.4 Ohms/KM
	18awg	≤ 21.9 Ohms/KM
	12awg	≤ 5.41 Ohms/KM
Dielectric strength	500V AC for 1 min	
Insulation resistance	≥ 100MΩ/KM	
Tensile Strength	≥ 13.8Mpa (unaged)	
Elongation	≥ 100% (unaged)	

Color and Packaging	
Component A	Orange
Component B	Purple & White
Component C	Red & Black
Jacket	Light Blue: PTM 279C with
	White: Pantone White Stripe
Packaging	1000ft. on Spool
Dimensions (in)	15.0” x 11.8” x 6.3”
Dimensions (mm)	380mm x 300mm x 160mm
Weight (lbs)	80

Values above 250MHz are for information only.