

# WIREFATH

## BULK WIRE

### NST-182-SH-E-1K-BLU

18AWG, 4 Conductor, 2 Pair (Shielded), 42 strand

### Features

- Oxygen - Free Copper conductors ensure signal integrity
- DMX Lighting Controls, Microphone / Other Audio Applications
- Cable coiled with Reelex II Technology to ensure Tangle-Free Pull

### Application

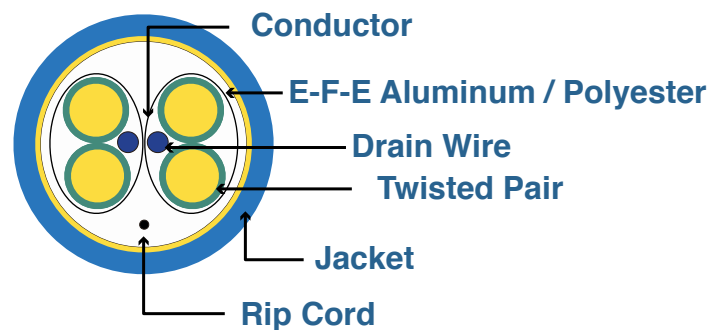
- Power limited circuit cable for use a fixed wiring within buildings principally for class 3 and class 2 circuits.
- Indoor for use Audio, Sound, Security, Intercom, and Power Limited Control
- Multi-conductor audio/sound
- In-Wall, plenum, and riser applications

### Flame Test

- C(UL) Flame Test FT4
- UL 1685 for CM / CL3
- Rated Temp: 75°C
- Rated Voltage: 300V
- Production Standard: UL 13 and UL 444

### Applicable Standards

- NEC/(UL) Specifications CL3
- NEC Articles 725
- CEC/(UL) Specifications CL3



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Material and Construction		
2Pairs	Oxygen Free Copper Wire Strands	
AWG	18	
Stranding	42/0.16 BC	
Insulation	Material	SR PVC
	Avg. Thickness (mm)	0.2 ± 0.04
	Insulation Diameter (mm)	1.9 ± 0.15mm
	Ripcord	Nylon (150D)
Jacket	Material	SR PVC (86A)
	Nominal Thickness (mm)	0.45 ± 0.08
	Cable Dia. (mm)	5.4 ± 0.25
Drain Wire	7/0.20TC	
Screen	Al-foil (>100%)	
Marking	WIREFATH™ BULK WIRE BY SNAPAV 182-SH-E 18AWG 2PR SHIELDED OXYGEN FREE COPPER E325181-HY (UL) CL3 or E325177-HY c(UL) CMG FT4 75C "ROHS" DDMYY 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	≤ 21.9 Ohms/KM
Dielectric strength	500V AC for 1 min
Insulation resistance	≥ 50MΩ/KM
Tensile Strength	≥ 13.8 Mpa (unaged)
Elongation:	≥ 100% (unaged)
Capacitance	
Cond. To Cond.	67 ± 4 ohms
Cond to rest	124 ± 4 ohms
Impedance	

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### Reelix Machine Setting (D750)

Mandrel Size (inches)	18
Endform Size (inches)	8
Gain	41
Density	Yes
Hole size	85

### Color and Packaging

Insulation	1 Pair: Black and Red	
	2 Pair: Black and White	
Jacket	Brightness Blue: Pantone 3005C	
Packaging	1000ft. in Pull Box - Speaker Large	
	Dimensions (in)	15.6" x 10.6" x 15.0"
	Dimensions (mm)	396.2mm x 269.2mm x 381.0mm
	Weight (lbs)	40.4

Values above 250MHz are for information only.