

# WIREFATH

## BULK WIRE

### NST-184-CS-500-WH

18AWG, 4 Conductor, 42 strand, CL3

### Features

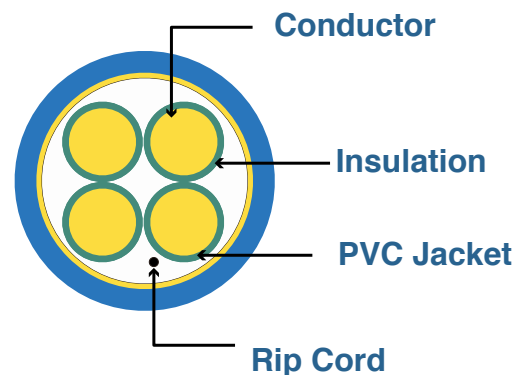
- Oxygen - Free copper conductors ensure signal integrity
- Reduced jacket thickness for cable flexibility
- Cable coiled with Reelix II Technology to ensure Tangle-Free Pull

### Application

- Power limited circuit cable for use a fixed wiring within buildings principally for class 3 and class 2 circuits.
- Multi-conductor audio/sound
- In-Wall, plenum, and riser applications
- Control, instrumentation, LED lighting cables

### Flame Test

- UL & C(UL) Flame Test: CL3 & FT4
- UL 1685 for CM / CL3
- Rated Temp: 75°C
- Rated Voltage: 300V
- Production Standard: UL 13 and UL 444
- UL Certification: (UL) CL2/CL3; c(UL) CM



### Applicable Standards

- NEC/(UL) CL3
- NEC Articles 725

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Material and Construction		
4 core	Oxygen Free Copper Wire Strands	
AWG	18	
Stranding	42/0.16mm	
Insulation	Material	SR PVC
	Avg. Thickness (mm)	0.25 ± 0.08
	Insulation Diameter (mm)	1.6 ± 0.2mm
	Ripcord	Nylon (150D)
Jacket	Material	SR PVC (86A)
	Nominal Thickness (mm)	0.40 ± 0.08
	Cable Dia. (mm)	4.6 ± 0.3
Marking	WIREFATH™ BULK WIRE BY SNAPAV 184-CS OXYGEN FREE COPPER 18AWG 4C 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	≤ 22.2 Ohms/KM
Dielectric strength	500V AC for 1 min
Insulation resistance	≥ 100MΩ/KM
Tensile Strength	≥ 13.8 Mpa (unaged)
Elongation:	≥ 100% (unaged)

Reelix Machine Setting (D750)	
Mandrel Size (inches)	18
Endform Size (inches)	8
Gain	27
Density	Yes
Hole size	85

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Color and Packaging		
Insulation	Red, Black, White & Green	
Jacket	White: Pantone White	
Packaging	500ft. in Pull Box - Alarm Large	
	Dimensions (in)	11.8" x 11.8" x 9.8"
	Dimensions (mm)	299.7mm x 299.7mm x 248.9mm
	Weight (lbs)	19.8

Values above 250MHz are for information only.