

# WIREFATH

## BULK WIRE

### NST-182-CS-1000-WH

18AWG, 2 Conductor, 42 Strand, CL3

#### Features

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

#### Application

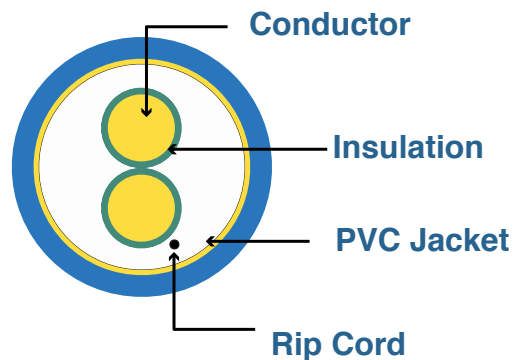
- Power limited circuit cable for use a fixed wiring within buildings principally for class 3 and class 2 circuits.
- Multi-conductor audio
- Control, instrumentation, LED lighting cables

#### Flame Test

- UL & c(UL) Flame Test: CL3 & FT4
- 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	
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)	0.38 ± 0.08
	Cable Dia. (mm)	4.0 ± 0.3
Marking	WIREFATH™ BULK WIRE BY SNAPAV 182-CS OXYGEN FREE COPPER 18AWG 2C 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	≤ 21.9 Ohms/KM
Dielectric strength	500V AC for 1 min
Insulation resistance	≥ 100MΩ/KM
Tensile Strength	≥ 13.8 Mpa (unaged)
Elongation:	≥ 100% (unaged)

Reelx Machine Setting (D750)	
Mandrel Size (inches)	18
Endform Size (inches)	8
Gain	30
Density	No
Hole size	85

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Color and Packaging		
Insulation	Red and Black	
Jacket	White: Pantone White	
Packaging	1000ft. 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)	13.4

Values above 250MHz are for information only.