

WIREFATH

BULK WIRE

SP-CAT6A-1000-BLU

23AWG, 4 Pair (Solid) UTP, CMR

Features

- Solid annealed bare copper conductors
- High density polyethylene insulation
- 4 pairs twisted in varying lays and cabled
- Overall aluminum/poly foil shield with drain
- Flame rated PVC jacket
- TIA/EIA-568-C Category 6A
- NEC CMR, CEC CMR FT4, RoHS compliant

Application

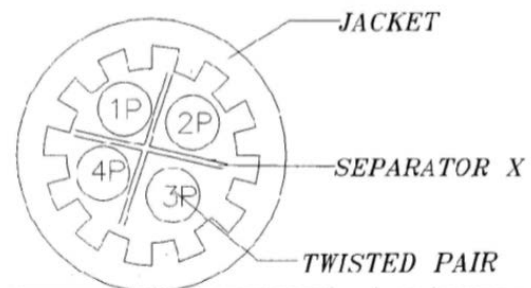
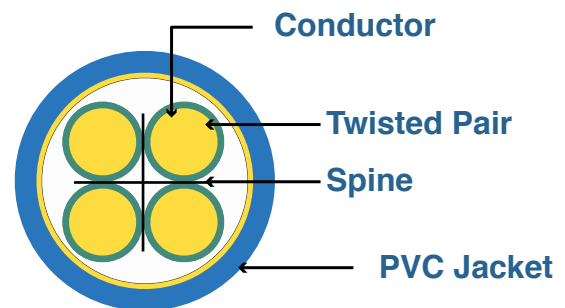
- Communication circuits such as voice, data and audio for on premise customer systems
- Horizontal LAN 10/100/1000/10GBaseT Ethernet
- Audio, Video, Infrared, IP Control
- Balun infrastructure, Voice, Voice over IP
- PoE, HDBaseT, Analog and Digital Media

Flame Test

- UL & c(UL) Flame Test: CMR & FT4
- Rated Temp: 75°C
- Rated Voltage: 300V
- Production Standard: UL 444
- UL Certification: (UL) and c(UL) CMR

Applicable Standards

- | | |
|---------------------------|-----|
| • NEC/(UL) Specifications | CMR |
| • NEC Articles | 800 |
| • CEC/(UL) Specifications | CMR |



WIREFATH

BULK WIRE

Material and Construction		
Conductor	Solid Bare Oxygen Free Copper	
Conductor Size	23AWG	
	0.574mm ± 0.006	
Insulation Material	HDPE	
Insulation Dia	1.05mm ± 0.03mm	
Rip cord	Nylon (150D)	
Jacket	PVC	
	Diameter	8.5mm ± 0.2mm
	Normal Thickness	0.65mm
Marking	WIREFATH™ BULK WIRE BY SNAPAV CAT6A ETL VERIFIED TO TIA/EIA-586-C.2 23AWG 4PR UTP OXYGEN FREE COPPER E325177-HY (UL) c(UL) CMR FT4 75C DDMYY "ROHS" XXX/XXX FT	

Mechanical Characteristics	
Test object:	Jacket
Test material:	PVC
Before Tensile Strength (Mpa)	≥ 13.8
Aging Elongation (%)	≥ 100
Aging condition (°CxHrs)	100x48
Afer Tensile Ttrength (Mpa)	≥ 80% of unaged
Aging Elongation (%)	≥ 50% of unaged
Cold bend (-20+/-2 x 4hrs)	No crack.
DC Resistance	≤ 73.2 Ohms/KM

Reelix Machine Setting (D750)	
Mandrel Size (inches)	-
Endform Size (inches)	-
Gain	-
Density	-
Hole size	-

WIREFATH

BULK WIRE

Color and Packaging		
Insulation	1p:	Blu / Blu-Wht
	2p:	Org / Org-Wht
	3p:	Grn / Grn-Wht
	4p:	Brn / Brn-Wht
Jacket	Blue:	Pantone 3005U
Packaging	1000ft on Spool	
Dimensions (in)	15.0" x 15.0" x 15.0"	
Dimensions (mm)	380mm x 380mm x 380mm	
Weight (lbs)	53	

Electrical Characteristics:									
Freq. (Mhz)	RL (dB)	Atten.	Next (dB)	PSANEXT (dB)	PSAACRF (dB)	PsNext (dB)	EIFext (dB/100m)	PsEIFext (dB/100m)	Dop (ns/100m)
1	20.0	2.1	74.3	67.0	67.0	72.3	67.8	64.8	570.0
4	23.0	3.8	65.3	67.0	66.2	63.3	55.8	52.8	552.0
8	24.5	5.3	60.8	67.0	60.1	58.8	49.7	46.7	546.7
10	25.0	6.0	59.3	67.0	58.2	57.3	47.8	44.8	545.4
16	25.0	7.6	56.2	67.0	54.1	54.2	43.7	40.7	543.0
20	25.0	8.5	54.8	67.0	52.2	52.8	41.8	38.8	542.0
25	24.3	9.5	53.3	67.0	50.2	51.3	39.8	36.8	541.2
31.25	23.6	10.5	51.9	67.0	48.3	49.9	37.9	34.9	540.4
62.5	21.5	15.0	47.4	65.6	42.3	45.4	31.9	28.9	538.6
100	20.1	19.1	44.3	62.5	38.2	42.3	27.8	24.8	537.6
200	18.0	27.6	39.8	58.0	32.2	37.8	21.8	18.8	536.5
250	17.3	31.1	38.3	56.5	30.2	36.3	19.8	16.8	536.5
300	16.8	34.3	37.1	55.3	28.7	35.1	18.3	15.3	536.5
400	15.9	35.3	35.3	53.5	26.2	33.3	15.8	12.8	536.5
550	15.2	33.8	33.8	52.0	24.2	31.8	13.8	10.8	536.5

Values above 250MHz are for information only.