

# WIREFATH

## BULK WIRE

### SP-CAT6-OD-1000-BLK

Cat 6 550 Mhz, 23AWG, 4 Pair, Solid UTP (Unshielded), Sunlight Resistant / Outdoor, for Data and Telecommunications Applications.

### Features

- 23awg, 4 pair Cat 6 for Outdoor
- Unshielded, twisted pairs (UTP), solid bare copper conductors
- HDBaseT Certified for Guaranteed Performance

### Application

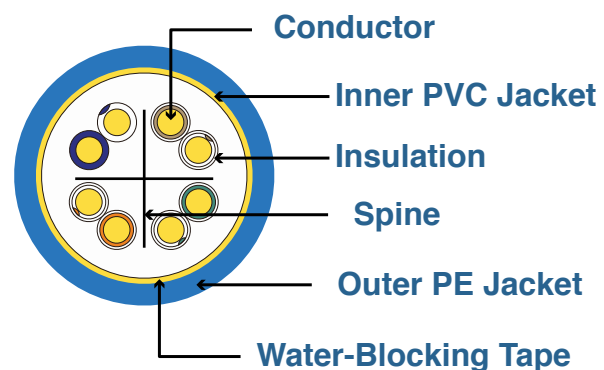
- For outdoor installation
- Transmission of digital and analogue for data, video and audio applications.
- IEEE 802.3u 100BASE-T and legacy speeds.
- CDDI / ATM / Token Ring
- IEEE 802.3af (PoE) / IEEE 802.3at (PoE+)

### Electrical Transmission

- ANSI/TIA-568-C.2 (2009)
- ISO/IEC 11801 (Edition 2.2)
- IEC 61156-5 (Edition 2.0)

### Material and Construction

- EU Directive 2011/65/EC (RoHS2)
- EU Directive 2006/95/EC (LVD)
- CE compliance date: 2010.01.01



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Material and Construction		
Conductor	Solid Bare Copper	
Conductor Size	23AWG	
	0.574mm ± 0.006	
Insulation Material	HDPE	
Insulation Dia	1.05mm ± 0.03mm	
Rip cord	Nylon (150D)	
Jacket (1)	PVC	
	Thickness	0.45mm
Jacket (2)	LDPE	
Color	Black	
Thickness	0.35mm	
Overall Dia.	6.8mm ± 0.3mm	
Marking	WIREFATH™ BULK WIRE BY SNAPAV CAT6-OD OXYGEN FREE COPPER ETL VERIFIED TO TIA/EIA-568-C.2 23AWG 4PR UTP DDMMYY "ROHS" XXX/XXX FT	

Performance	
Conductor Resistance	≤ 73.2 ohms/km at 20°C
DCR unbalance	≤ 2.5%
Characteristic impedance	1~250Mhz
	100 ± 15 Ohms
Propagation Delay Skew	1~250Mhz
	≤ 45ns/100m
Mutual Capacitance	46-56pF/m
DC Resistance	≤ 73.2 Ohms/KM

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Color and Packaging		
Insulation	1p:	Blu / Blu-Wht
	2p:	Org / Org-Wht
	3p:	Grn / Grn-Wht
	4p:	Brn / Brn-Wht
Jacket	Black:	Pantone Black
Packaging	1000ft on Spool	
Dimensions (in)	15" x 11.8" x 15"	
Dimensions (mm)	380mm x 300mm x 380mm	
Weight (lbs)	31.8	

Material and Construction								
Frequency (MHz)	RL	Atten.	NEXT	Freq.	PsNext	ElFext	PsElFext	Dop
	dB	dB/100m	dB	Mhz	dB	dB/100m	dB/100m	ns/100m
1	20.00	2.04	74.29	1	72.29	67.79	64.79	570.00
4	23.01	3.78	65.26	4	63.26	55.75	52.75	552.00
8	24.51	5.32	60.75	8	58.75	49.73	46.73	546.72
10	25.00	5.95	59.29	10	57.29	47.79	44.79	545.38
16	25.00	7.55	56.23	16	54.23	43.71	40.71	543.00
20	25.00	8.47	54.78	20	52.78	41.77	38.77	542.04
25	24.32	9.51	53.33	25	51.33	39.84	36.84	541.20
31.25	23.64	10.67	51.87	31.25	49.87	37.90	34.90	540.43
50.0	22.21	13.66	48.81	50.0	46.81	33.82	30.82	539.09
62.5	21.53	15.38	47.36	62.5	45.36	31.88	28.88	538.55
100	20.10	19.8	44.30	100	42.29	27.79	24.79	537.60
125	19.42	22.35	32.84	125	40.84	25.86	22.86	537.21
200	18.00	28.98	39.78	200	37.78	21.77	18.77	536.54
250	17.32	32.85	38.33	250	36.33	19.84	16.84	536.27
450	15.50	46.00	34.50	450	32.50	14.70	11.70	535.70
550	14.90	51.80	33.20	550	31.20	13.00	10.00	535.50

Values above 250MHz are for information only.