

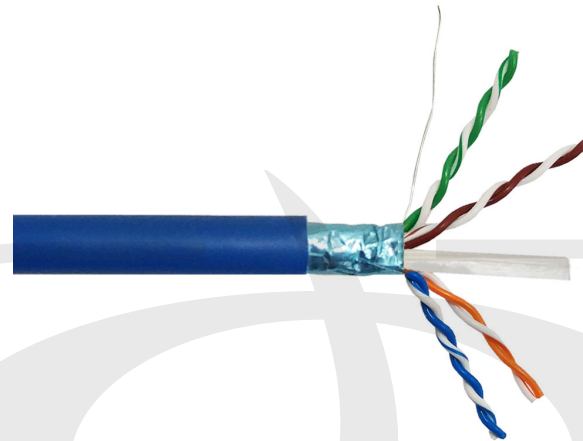
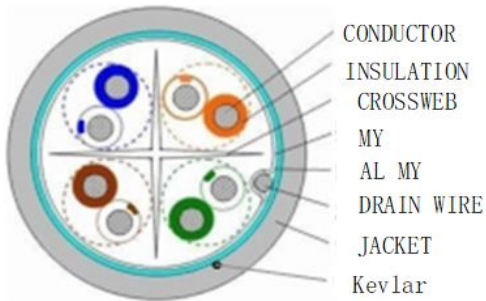


1000ft Cat6a Solid F/UTP 650MHz 23AWG CMP Plenum Bulk Cable

BK-C6A602-xx - Specifications

Description

This bulk plenum rated Cat6a cable is 1000 feet in length and consists of 4 pairs of 23AWG solid wires. It is typically used as in-wall premise wiring and terminated from a patch panel to a Cat6a jack.



Physical Characteristics

Cable Length	1000 foot [305m]
Color	Black / Blue / White
Number of Pairs	4 Pairs
	1. Brown * White/Brown
	2. Blue * White/Blue
	3. Orange * White/Orange
	4. Green * White/Green
Wire Gauge	23 AWG Solid
Conductor Material	100% Bare Copper
Conductor Size	0.023 inches [0.585±0.006mm]
Insulation Outer Diameter	0.044 inches [1.12±0.05mm]
Tape Drain Wire	24AWG Solid Tinned Copper
Jacket Material	PVC - Polyvinyl Chloride
Jacket Nominal Thickness	0.0197 inches [0.50mm]
Jacket Outer Diameter	0.2756±0.012 inches [7.0±0.3mm]
Jacket Rating	CMP/FT6 [Plenum Rated]

Cable Shielding	Aluminum/Poly Tape
	100% coverage with 25% overlapping
Separator	SAMP® FEP CROSSWEB
Ripcord	Kevlar
Temperature Rating	-20°C ~ +80°C

Electrical Characteristics

Voltage	30V
Capacitance	5.6nF/100m .Nom
Characteristic Impedance	1-100MHz, 100±15%; 101-250MHz, 100±22%; 251-550MHz, 100±25%
Velocity of Propagation	≥65%
DCR Conductor	9.38 Ohms/100m.Nom
D-C Resistance Unbalance	≤5%

Approvals

c(UL)	Yes
-------	-----

Environmental

RoHS	Yes
------	-----

Packaging Information

Package Quantity	1
Product Weight	46.18 lbs



1000ft Cat6a Solid F/UTP 650MHz 23AWG CMP Plenum Bulk Cable

BK-C6A602-xx - Line Drawing

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB)	ACRF (dB/)	PS.NEXT (dB)	PS.ACRF (dB)	RL (dB)	Delay (ns/100m)	Skew (ns/100m)
1	1.9	65	64.2	62	61.2	19.1	521	44
4	3.5	64.1	52.1	61.8	49.1	21	504	
8	5	59.4	46.1	57	43.1	21	500	
10	5.5	57.8	44.2	55.5	41.2	21	498	
16	7	54.6	40.1	52.2	37.1	20	496	
20	7.8	53.1	38.2	50.7	35.2	19.5	495	
25	8.8	51.5	36.2	49.1	33.2	19	495	
31.25	9.8	50	34.3	47.5	31.3	18.5	494	
62.5	14	45.1	28.3	42.7	25.3	16	492	
100	18	41.8	24.2	39.3	21.2	14	491	
200	26.1	36.9	18.2	34.3	15.2	11	490	
250	29.5	35.3	16.2	32.7	13.2	10	490	
300	32.7	34	14.6	31.4	11.6	9.2	490	
400	38.4	29.9	12.1	27.1	9.1	8	490	
500	43.8	26.7	10.2	23.8	7.2	8	490	
550	46.3	25.3	9.4	22.3	6.4	8	489	

Printing:

CAT6A 650MHz 23AWG 4P F/UTP CMP (-20C to +80C) ANSI/TIA 568D.2 C(UL)us E345576 RoHs xxxxFT