

# CAT6A AUGMENTED CABLE SHIELDED RISER RATED

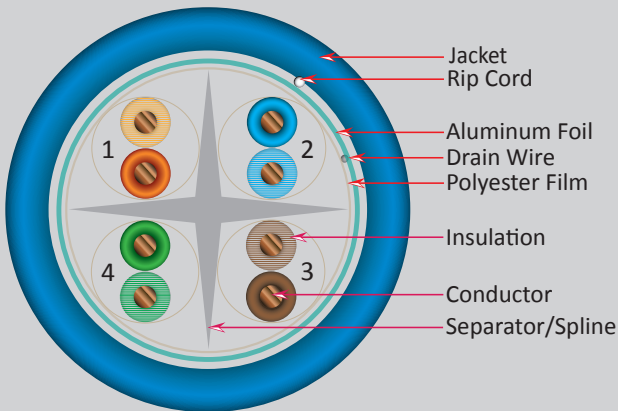
Cat5eCableGuy.Com

## DESCRIPTION

Category-6A (Augmented) STP, 23AWG Solid Bare Copper.

## FEATURES

- High-Performance Data Cable
- Suitable for 10Gb High-Speed Applications
- Designed for Indoor Installations (CMR)
- Category-6A (Augmented) (STP) Cable
- 4-Pair – Easily Identified Color-Striped Pairs
- 23AWG Solid Bare Copper Conductors
- Exceeds ANSI TIA/EIA 568-C.2
- UL Listed, ETL Listed, RoHS Compliant
- 1000ft Wooden Spool



### Technical Data

Rated Temperature	-20~70 °C
Rated Voltage	30V
NVP	74%
<b>Conductor</b>	<b>Solid Bare Copper</b>
Size	23 AWG
Diameter (±.005mm)	.585
<b>Insulation</b>	<b>PE</b>
Insulation Diameter (±0.02mm)	1.150
Average Thickness (mm)	0.29
Min Point Thickness (mm)	0.28
Twisting Lay Length (mm)	20 underneath
Cabling Lay Length (±10mm)	100
<b>Separator</b>	PE
<b>Polyester Film</b>	<b>Yes</b>
<b>Drain Wire</b>	<b>Tinned Copper</b>
<b>AL Foil</b>	<b>Yes</b>
<b>Jacket</b>	<b>PVC</b>
Average Thickness (mm)	.55
Min Point Thickness (mm)	.52
Outer Diameter (±.2mm)	7.8
Color	Black
<b>Color of Pairs</b>	
Pair 1:Blue,White-Blue	
Pair 2:Orange,White-Orange	
Pair 3:Green,White-Green	
Pair 4:Brown,White-Brown	

### Standards:

YD/T1019-2001, UL Subject 444, EIA/TIA568 & ISO/IEC 11801

Available in Black, Blue, Green, Gray, Red, White, Yellow



Cat5eCableGuy.Com  
Where Quality Cable is on Sale!



Specs subject to change without notice.

It is the sole responsibility of the user to have the most current specs.

# CAT6A AUGMENTED CABLE SHIELDED RISER RATED

## PERFORMANCE

### Electrical Characteristics:

1.0 ~ 250.0MH Impedance( $\Omega$ )	100 $\pm$ 15
1.0 ~ 250.0MH Delay Skew (ns/100m)	$\leq$ 45
Pair-to-Ground Capacitance Unbalance (pF/100m)	$\leq$ 330
Max Conductor DC REsistance 20°C ( $\Omega$ /km)	62.8
Resistance Unbalance (5)	$\leq$ 5

Frequency MHz	Return Loss dB	Attenuation dB/100m	NEXT dB	PSNEXT dB	ELFEXT dB/100m	PSELFEXT dB/100m	Delay ns/100m
1.00	20.00	1.84	74.30	72.30	68.00	65.00	570.00
4.00	23.01	3.69	65.27	63.27	55.96	52.96	552.00
8.00	24.52	5.26	60.75	58.75	49.94	46.94	546.73
10.00	25.00	5.89	59.30	57.30	48.00	45.00	545.38
16.00	25.00	7.51	56.24	54.24	43.92	40.92	543.00
20.00	25.00	8.43	54.78	52.78	41.98	38.98	542.05
25.00	24.32	9.47	53.33	51.33	40.04	37.04	541.20
31.25	23.64	10.64	51.88	49.88	38.10	35.10	540.44
62.50	21.54	15.36	47.36	45.36	32.08	29.08	538.55
100.00	20.11	19.78	44.30	42.30	28.00	25.00	537.60
200.00	18.00	28.97	39.78	37.78	21.98	18.98	536.50
250.00	17.32	32.84	38.33	36.33	20.04	17.04	536.28
300.00	16.80	36.40	37.10	35.10	18.30	15.30	
350.00	16.30	39.80	36.10	34.10	16.80	13.90	
400.00	15.90	43.00	35.30	33.30			
500.00	15.20	48.90	33.30	31.80			
550.00	14.90	51.80	33.20	31.20			

### Mechanical Characteristics:

#### Test Object

Test Material

Before Tensile Strength (Mpa)

Aging Elongation (%)

Aging Condition ( $^{\circ}$ Cxhrs)

After Tensile Strength (Mpa)

Aging Elongation (%)

Cold Bend ( $-20\pm 2^{\circ}$ Cxhrs)

#### Jacket

PVC

$\geq 13.8$

$\geq 100$

100x240

$\geq 85\%$  of Unaged

$\geq 50\%$  of Unaged

No Crack

**Cat5eCableGuy.Com**

Where Quality Cable is on Sale!



Specs subject to change without notice.

It is the sole responsibility of the user to have the most current specs.