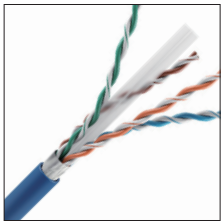


# CAT 6A RISER CABLE

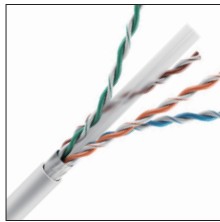
## 23/4 UTP CMR WOODEN SPOOL



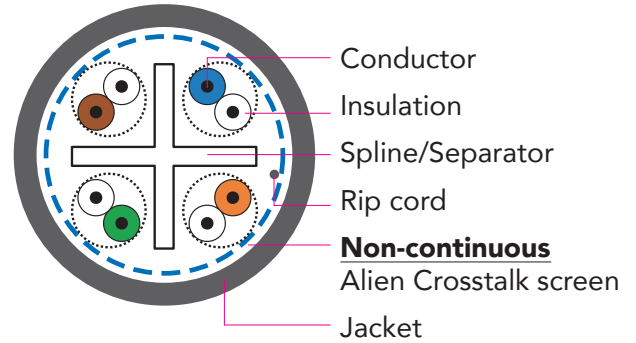
### SPEC SHEET



**OE-CAT6ARBL**  
1,000ft (305m)



**OE-CAT6ARWH**  
1,000ft (305m)



< 4 Unshielded Twisted Pairs >

### Physical Characteristics

**Conductor:** 23 AWG Solid Bare Annealed Copper

**Insulation:** HDPE (High Density Polyethylene)

**Conductor Color Code:**

- Pair 1: Blue - White/Blue,      • Pair 2: Orange - White/Orange
- Pair 3: Green - White/Green      • Pair 4: Brown - White/Brown

**Spline/Separator:** FR Polyolefin

**Shielding:** N/A

**Non-continuous Alien Crosstalk screen:** Al./Mylar tape

**Rip Cord:** Applied longitudinally under jacket

**Jacket:** PVC(Flame-retardant, RoHS compliant)

**Jacket Legend:**

- 0000FT ADI PRO P/N XXXX 4PR23 E507576 CMR c(UL)us 75C (RoHS)  
Verified (UL) Cat 6A ANSI/TIA-568.2-D ##### RM# A B C D E F 1 2 3 4 5 6 7 8 9

**Outside Cable Diameter (in):** Nom. 0.268

**Nominal Cable Net Weight (lbs/1000ft):** 33.1 lb. (15.02kg)

**Minimum Bend Radius (in):** 1.0 in. (25.4mm)

**Maximum Pulling Force (lbs):** 25 lb. (11.34kg)

**Temperature Range (°F):**

- Installation: +32 to + 140°F (0 to + 60°C)      • Storage & Operation: -4 to + 167°F (-20 to + 75°C)

• **Operating Voltage:** Max. 300V

### Applications

IEEE802.3: 10G BASE-T, 1000BASE-T,  
100 BASE-TX, 10 BASE-T, ANSI/TIA/EIA 854:  
1000BASE-TX, 155Mp/s, 1.2 Gb/s ATM, ANSI  
X3.263: 100Mb/s, IEEE 802.3af DTE Power  
(PoE), Digital Video



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# CAT 6A RISER CABLE

## 23/4 UTP CMR WOODEN SPOOL



### Standard Compliance

- ANSI/TIA-568.2-D
- ANSI/TIA-862 (Building Automation)
- IEC 11801 Ed.2.0 (Class EA)
- NEC/CEC Type CMR (UL 1666) for Riser
- UL 444
- RoHS Compliant Directive 2011/65/EU

### Certifications



### Electrical Characteristics

- Velocity of Propagation:** Nom. 69%
- DC Resistance:** Max. 9.38 Ohms/100m at 20°C
- Characteristic impedance:** Nom. 100 Ohms at 20°C
- Resistance Unbalance:** Max. 4% at 20°C
- Mutual capacitance:** Max. 5.6nF/100m at 20°C
- Capacitance unbalance:** Max. 330pF/100m at 20°C
- Dielectric strength:** 2.5 kV/2s (DC) or 1.5 kV/2s (AC)
- Propagation delay:** Max. 570ns/100m at 20°C
- Delay skew:** Max. 45ns/100m at 20°C

### Certifications for Management System

ISO9001: 2008, ISO14001: 2004, OHSAS 18001

Frequency	Insertion Loss	NEXT	PSNEXT	Return Loss	PSANEXT	PSAACRF
MHz	dB/100m (Max.)	dB/100m (Min.)	dB/100m (Min.)	dB/100m (Min.)	dB/100m (Min.)	dB/100m (Min.)
1	2.1	74.3	72.3	20.0	67.0	67.0
4	3.8	65.3	63.3	23.0	67.0	66.2
10	5.9	59.3	57.3	25.0	67.0	58.2
16	7.5	56.2	54.2	25.0	67.0	54.1
20	8.4	54.8	52.8	25.0	67.0	52.2
25	9.4	53.3	51.3	24.3	67.0	50.2
31.25	10.5	51.9	49.9	23.6	67.0	48.3
62.5	15.0	47.4	45.4	21.5	65.6	42.3
100	19.1	44.3	42.3	20.1	62.5	38.2
200	27.6	39.8	37.8	18.0	58.0	32.2
250	31.1	38.3	36.3	17.3	56.5	30.2
300	34.3	37.1	35.1	16.8	55.3	28.7
500	45.3	33.8	31.8	15.2	52.0	24.2
600	50.1	32.6	30.6	14.7	50.8	22.6
700	54.5	31.6	29.6	14.2	49.8	21.3

\* Spec meets ANSI/TIA-568.2-D standard. Sweep tested to 700 MHz. All values are dB/100m (328 ft.) @ 20°C (68°F). Values above 500 MHz are for informational purposes only.



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