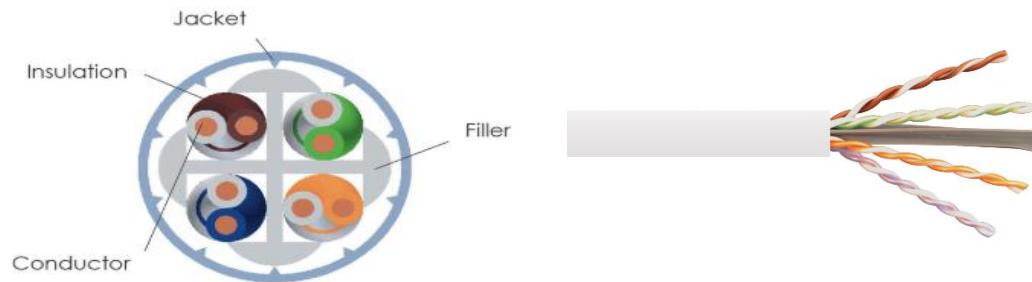


## VOYGAR CAT6AA U/UTP 23AWG, CABLE



### Features

- Ideal solution for 10 Gigabit Ethernet
- Individual pair shielding or special designed filler to provide EMI protection
- Provides positive PSACR beyond 500MHz for higher available bandwidth
- Every master reel is tested to ensure electrical performance compliance

### Physical Specifications

#### Conductor:

AWG	23
Material	Copper

#### Insulators:

Diameter	1.03 mm
Material	PE

#### Jacket:

Jacket Thickness	0.75 mm
Material	PVC/LSZH
Colour	White/Grey/Red/Blue/Orange

### Dimensions

Cable Length	305/500 m
Diameter over Jacket, maximum	8.3 mm

### Electrical Specifications

ANSI/TIA Category	6A
Operating Frequency, maximum	500 MHz
Operating Voltage, maximum	80 V
Transmission Standards	ANSI/TIA-568-C.2 ISO/IEC 11801 Class EA
DC Resistance ( $\Omega/100m$ )	$\leq 9.38$
DC Conductor Resistance Unbalance (%)	$\leq 5.0$
Nominal velocity of propagation	66.7%
Maximum Delay Skew	$\leq 45ns/100$
Insulation resistance (DC 500V/1 min) .Min	5000M $\Omega$ •km

### Mechanical characteristics

Minimum bend radius during installation	8x outside dia.
Minimum bend radius after installation	6x outside dia.

Installation temp.	0 to 60°C
Operating temp.	-20 to 60°C
Storage temp.	-20 to 80°C

### Installation Characteristics

Maximum pulling tension:	100N
Minimum bend radius during installation:	60mm
Minimum installed bend radius:	30mm
Nominal weight:	52kg/km

### Applications

2.4/1.2 Gb/s ATM  
IEEE 802.3an:10G BASE-T (10 Gigabit Ethernet) supporting 100 meters  
3D imaging  
Digital Video  
Broadband and Baseband Analog Video

### Standard Compliances

ISO/ IEC 11801:2011 (Ed.2.2)  
IEC 61156-5:2009 (Ed.2.0)  
EN 50173-1:2011  
EN 50173-2:2007 including amendment A1:2010  
ANSI/TIA-568-C.2:2009 RoHS compliant  
EC Verified

### Ordering Information

C6A3UP31	VOYGAR CAT6A UTP 23AWG, PVC CABLE 305M, White
C6A3UP39	VOYGAR CAT6A UTP 23AWG, PVC CABLE 305M, Blue
C6A3UP37	VOYGAR CAT6A UTP 23AWG, PVC CABLE 305M, Orange
C6A3UP34	VOYGAR CAT6A UTP 23AWG, PVC CABLE 305M, Grey
C6A3UP38	VOYGAR CAT6A UTP 23AWG, PVC CABLE 305M, Red
C6A3UL31	VOYGAR CAT6A UTP 23AWG, LSZH CABLE 305M, White
C6A3UL39	VOYGAR CAT6A UTP 23AWG, LSZH CABLE 305M, Blue
C6A3UL37	VOYGAR CAT6A UTP 23AWG, LSZH CABLE 305M, Orange
C6A3UL34	VOYGAR CAT6A UTP 23AWG, LSZH CABLE 305M, Grey
C6A3UL38	VOYGAR CAT6A UTP 23AWG, LSZH CABLE 305M, Red
C6A3UP51	VOYGAR CAT6A UTP 23AWG, PVC CABLE 500M, White
C6A3UP59	VOYGAR CAT6A UTP 23AWG, PVC CABLE 500M, Blue
C6A3UP57	VOYGAR CAT6A UTP 23AWG, PVC CABLE 500M, Orange
C6A3UP54	VOYGAR CAT6A UTP 23AWG, PVC CABLE 500M, Grey
C6A3UP58	VOYGAR CAT6A UTP 23AWG, PVC CABLE 500M, Red
C6A3UL51	VOYGAR CAT6A UTP 23AWG, LSZH CABLE 500M, White
C6A3UL59	VOYGAR CAT6A UTP 23AWG, LSZH CABLE 500M, Blue
C6A3UL57	VOYGAR CAT6A UTP 23AWG, LSZH CABLE 500M, Orange
C6A3UL54	VOYGAR CAT6A UTP 23AWG, LSZH CABLE 500M, Grey
C6A3UL58	VOYGAR CAT6A UTP 23AWG, LSZH CABLE 500M, Red