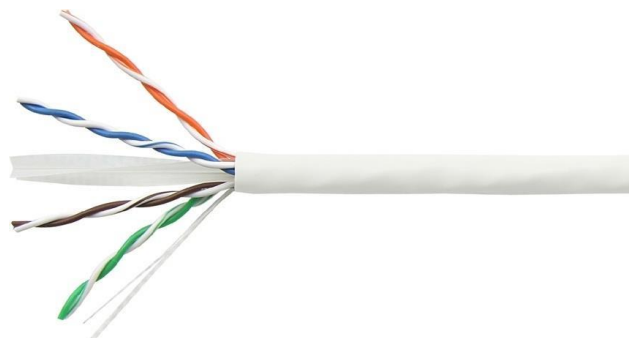
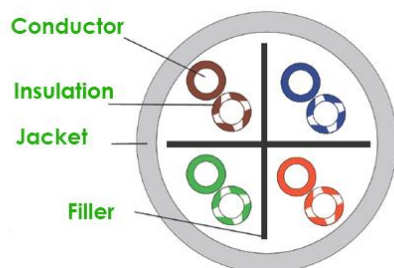


## VOYGAR CAT6 UTP 23AWG CABLE



### Features

Characterized and tested to 250MHz  
 Positive PSACR up to 300MHz for future bandwidth requirements  
 Every master reel is tested to ensure electrical performance compliance  
 UL Listed  
 ETL / EC Verified

### Physical Specifications

Conductor AWG	23
Conductor Size	0.57mm
Material	Solid Bare Copper
Insulators diameter	1.03+/-0.02 mm
Insulators material	PE
Jacket thickness	0.55 mm
Jacket material	PVC/LSZH
Jacket colour	White/Grey/Red/Blue/Orange

### Dimensions

Cable Length	305/500 m
Diameter over Jacket, maximum	6.5 mm

### Mechanical Specifications

Minimum bend radius during installation	8x outside dia.
Minimum bend radius after installation	4x outside dia.
Installation temp.	0 to 60°C
Operating temp.	-20 to 60°C
Storage temp.	-20 to 80°C

### Electrical Specifications

ANSI/TIA Category	6
Impedance	100 Ω
Operating frequency, maximum	250 MHz
Propagation delay	536 ns/100 m Max. @ 250 MHz
Skew delay	45 ns/100 m Max. @ 250 MHz
Mutual capacitance	5.6 no Max./ 100 m
Conductor	6.65 Ω Max./100 m
Normal Velocity of Propagation NVP	65%
TVL	30-10 log (f/100) dB
DC resistance	<9.38 Ω/100 m
DC resistance unbalance	5%

## Installation Characteristics

Maximum pulling tension	90N
Minimum bend radius during installation	55mm
Minimum installed bend radius	27mm
Nominal weight	40 kg/km

## Applications

IEEE 802.3: 1000BASE-T (Gigabit Ethernet), 100BASE-TX, 10BASE-T  
 ANSI/TIA/EIA-854: 1000BASE-TX  
 155 Mb/s, 1.2 Gb/s ATM  
 ANSI X3.263: 100 Mb/s  
 IEEE 802.3af DTE Power (POE)  
 4/16 Mb/s Token Ring  
 Digital Video  
 Broadband and Baseband Analog Video

## Industry Specifications

ISO/IEC 11801:2002 Class E  
 TIA/EIA 568-B.2-1, TIA/EIA 568-C, TIA/EIA 568-C.2  
 IEC61156-5, IEC 60332-1, 60754-1, 60754-2, 61034-2  
 EN 50173-1, EN 50288-6-1  
 IEEE 802.3af and IEEE 802.3at for PoE applications  
 RoHS  
 UL

## Ordering Information

C6E3UP31	VOYGAR CAT6 UTP 23AWG, PVC CABLE 305M, White
C6E3UP39	VOYGAR CAT6 UTP 23AWG, PVC CABLE 305M, Blue
C6E3UP37	VOYGAR CAT6 UTP 23AWG, PVC CABLE 305M, Orange
C6E3UP34	VOYGAR CAT6 UTP 23AWG, PVC CABLE 305M, Grey
C6E3UP38	VOYGAR CAT6 UTP 23AWG, PVC CABLE 305M, Red
C6E3UL31	VOYGAR CAT6 UTP 23AWG, LSZH CABLE 305M, White
C6E3UL39	VOYGAR CAT6 UTP 23AWG, LSZH CABLE 305M, Blue
C6E3UL37	VOYGAR CAT6 UTP 23AWG, LSZH CABLE 305M, Orange
C6E3UL34	VOYGAR CAT6 UTP 23AWG, LSZH CABLE 305M, Grey
C6E3UL38	VOYGAR CAT6 UTP 23AWG, LSZH CABLE 305M, Red
C6E3UP51	VOYGAR CAT6 UTP 23AWG, PVC CABLE 500M, White
C6E3UP59	VOYGAR CAT6 UTP 23AWG, PVC CABLE 500M, Blue
C6E3UP57	VOYGAR CAT6 UTP 23AWG, PVC CABLE 500M, Orange
C6E3UP54	VOYGAR CAT6 UTP 23AWG, PVC CABLE 500M, Grey
C6E3UP58	VOYGAR CAT6 UTP 23AWG, PVC CABLE 500M, Red
C6E3UL51	VOYGAR CAT6 UTP 23AWG, LSZH CABLE 500M, White
C6E3UL59	VOYGAR CAT6 UTP 23AWG, LSZH CABLE 500M, Blue
C6E3UL57	VOYGAR CAT6 UTP 23AWG, LSZH CABLE 500M, Orange
C6E3UL54	VOYGAR CAT6 UTP 23AWG, LSZH CABLE 500M, Grey
C6E3UL58	VOYGAR CAT6 UTP 23AWG, LSZH CABLE 500M, Red