

PRODUCT  
CATALOGUE

## ABOUT US

At **Ventilux Inc.**, we are committed to delivering effective solutions that can help our customers. This responsibility has been a central tenet of our company since its inception, and this is why we work every day on improving our services and products.

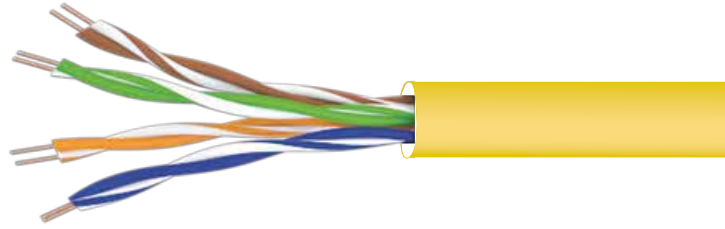
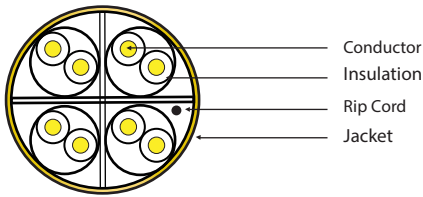
Our smart and effective building solutions has given us an opportunity to diversify and explore new business opportunity in the market and we are extremely delighted to penetrate successfully in various large and medium scale projects within less than a years time by providing excellent services to our clients and providing quality products of which we had out standing feedbacks.

# NETWORK CABLE

## SPECIALISED

# NETWORK CABLE

## CAT6 UTP 23AWG



### TECHNICAL SPECIFICATIONS

High Speed CAT 6, UTP Copper Networking Cable 0.56mm 23AWG

#### CONDUCTOR DC RESISTANCE

100Ω / 305m

#### DC RESISTANCE UNBALANCE

3% (Maximum)

#### MUTUAL CAPACITANCE

55.8 pF / m

#### CAPACITANCE UNBALANCE

100+ 15% (1-250MHz)

### SEQUENTIAL FOOTAGE

Mk / 2 Ft starting at 1000 ft

#### PAIR ASSY

Two Primary Twisted Varied Lays

#### RIP CORD NYLON

High Strength

#### APPLICATIONS

Data Communication  
Binary Communication

#### LENGTH

305 Meters

**COLOR** ● (Yellow)

### CABLE ASSY

4 X Pair Cabled Together Around a Central Separator

#### STANDARD

UL444, TIA/EIA568B & ISO/IEC 11801.  
UTP TYPE -100 Ω (DATA COMMUNICATION)

#### INSULATION COLOR

Blue, White/Blue,  
Green, White/Green,  
Brown, White/Brown,  
Orange, White/Orange.

#### DELTA DELAY

18 ns / 100 M (max)

### Mechanical Characteristics

Test Object	Jacket
Test Material	PVC
Before Tensile Strength (Mpa)	≥13.0
Aging Elongation (%)	≥150
Aging Condition (°C Xhrs)	100 X 240
After Tensile Strength (Mpa)	≥85%
Aging Elongation (%)	≥50%
Cold Bend (-20°C X4hrs)	No crack

### Electrical Characteristics

1.0-100.0MHz Impedance (ohms)	100±15
1.0-100.0MHz Delay Skew (ns/100m)	≤45
Pair-to-Ground Capacitance Unbalance	≤330
Max. Conductor DC Resistance 20oC	73.2
Resistance Unbalance (%)	≤5

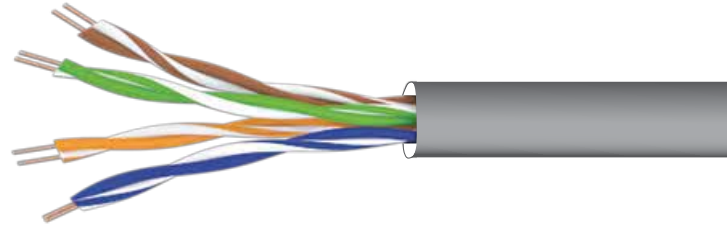
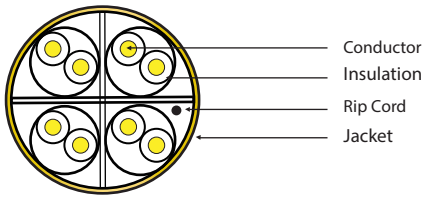
### Construction

Center Conductor	Bare Copper
AWG	23
Diameter (mm)	0.57+0.01
Insulation	PVC / PE
Nom. Thickness (mm)	0.23
Min. Thickness (mm)	0.17
Insulation Diameter	1.03+0.03
Twisting Lay Length (mm)	32 (Underneath)
Cablling Lay Length (mm)	210(Underneath)
Jacket	LSZH/PVC/PE
Nom. Thickness (mm)	0.60
Min. Thickness (mm)	0.43
Outer Diameter (mm)	6.20+0.30
Rip Cord	Yes

## SPECIALISED

# NETWORK CABLE

## CAT6 UTP/CPT 23AWG



### TECHNICAL SPECIFICATIONS

High Speed CAT 6, CPT Copper Networking Cable 0.56mm 23AWG

#### CONDUCTOR DC RESISTANCE

100Ω / 305m

#### DC RESISTANCE UNBALANCE

3% (Maximum)

#### MUTUAL CAPACITANCE

55.8 pF / m

#### CAPACITANCE UNBALANCE

100+ 15% (1-250MHz)

**COLOR** ● (Grey)

### SEQUENTIAL FOOTAGE

Mk / 2 Ft starting at 1000 ft

#### PAIR ASSY

Two Primary Twisted Varied Lays

#### RIP CORD NYLON

High Strength

#### APPLICATIONS

Data Communication  
Binary Communication

#### LENGTH

305 Meters

### CABLE ASSY

4 X Pair Cabled Together Around a Central Separator

#### STANDARD

UL444, TIA/EIA568B & ISO/IEC 11801  
CPT TYPE- 75 Ω (BINARY COMMUNICATION/  
TELEPHONE CABLE)

#### INSULATION COLOR

Blue, White/Blue,  
Green, White/Green,  
Brown, White/Brown,  
Orange, White/Orange.

#### DELTA DELAY

18 ns / 100 M (max)

### Mechanical Characteristics

Test Object	Jacket
Test Material	PVC
Before Tensile Strength (Mpa)	≥13.0
Aging Elongation (%)	≥150
Aging Condition (°C Xhrs)	100 X 240
After Tensile Strength (Mpa)	≥85%
Aging Elongation (%)	≥50%
Cold Bend (-20°C X4hrs)	No crack

### Electrical Characteristics

1.0-100.0MHz Impedance (ohms)	100±15
1.0-100.0MHz Delay Skew (ns/100m)	≤45
Pair-to-Ground Capacitance Unbalance	≤330
Max. Conductor DC Resistance 20oC	73.2
Resistance Unbalance (%)	≤5

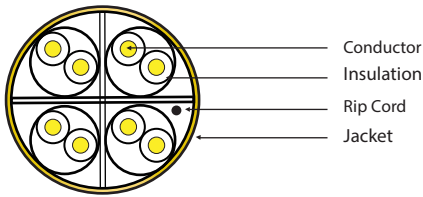
### Construction

Center Conductor	Bare Copper
AWG	23
Diameter (mm)	0.57+0.01
Insulation	PVC / PE
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Jacket	LSZH/PVC/PE
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Min. Thickness (mm)	0.43
Outer Diameter (mm)	6.20+0.30
Rip Cord	Yes

SPECIALISED

**NETWORK CABLE**

**UTP-FTP LAN NETWORK CABLE**



**INNER CONDUCTOR**

CAT5 = Bare Copper 1x24 AWG (0,51mm)  
CAT6 = Bare Copper 1x23 AWG (0,57mm)

**ASSEMBLY**

Paired Wires

**COLOR** ● (Grey)

**INSULATION**

UTP-FTP 24 AWG  
UTP-FTP 23 AWG

**SHIELDING (ONLY FTP)**

Overall Aluminium/Polyester Foil

**LENGTH**

305 Meters

**HDPE**

Diameter Ø 0,91 mm (±0,02)  
Diameter Ø 1,00 mm (±0,02)

**JACKET**

PVC  
LSZH

**INSULATION COLOR**

Blue, White/Blue,  
Green, White/Green,  
Brown, White/Brown,  
Orange, White/Orange.

**Mechanical Characteristics**

Operating Temperature Range	-20°C / +60°C
Min. Bend Radius (Install)	8 x Ø / 10 x Ø
Before Tensile Strength (Mpa)	≥13.0
Aging Elongation (%)	≥150
Aging Condition (°C Xhrs)	100 X 240
After Tensile Strength (Mpa)	≥85%
Aging Elongation (%)	≥50%
Cold Bend (-20°C X4hrs)	No crack

**Electrical Characteristics**

Characteristic Impedance (1-100MHz)	100 ± 15
Max Unbalance Capacitance	2,5% / 2%
Max Capacitance	3,3 pF/m
Velocity of propagation (100 MHz)	56 pF/m
	0,62 cm/s

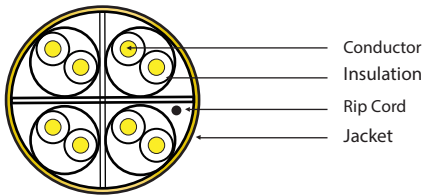
**Construction**

Center Conductor	Bare Copper
AWG	23
Diameter (mm)	0.57+0.01
Insulation	PVC / PE
Nom. Thickness (mm)	0.23
Min. Thickness (mm)	0.17
Insulation Diameter	1.03+0.03
Twisting Lay Length (mm)	32 (Underneath)
Cablling Lay Length (mm)	210(Underneath)
Jacket	LSZH/PVC/PE
Nom. Thickness (mm)	0.60
Min. Thickness (mm)	0.43
Outer Diameter (mm)	6.20+0.30
Rip Cord	Yes

SPECIALISED

**NETWORK CABLE**

**OUTDOOR UTP LAN NETWORK CABLE**



**INNER CONDUCTOR**

Bare Copper 4 X 2 X 24 AWG  
Bare Copper 1 x 24 AWG (0,51mm)

**ASSEMBLY**

Paired Wires

**"JELLY" OUTDOOR**

Black PE ●

**INSULATION**

UTP-FTP 24 AWG  
UTP-FTP 23 AWG

**SHIELDING (ONLY FTP)**

Overall Aluminium/Polyester Foil

**LENGTH**

305 Meters

**HDPE THICKNESS**

Diameter Ø 0,91 mm (±0,02)  
Diameter Ø 1,00 mm (±0,02)

**JACKET**

Double Jacket In PVC

**INSULATION COLOR**

Blue, White/Blue,  
Green, White/Green,  
Brown, White/Brown,  
Orange, White/Orange.

**Mechanical Characteristics**

Operating Temperature Range	-20°C / +60°C
Min. Bend Radius (Install)	8 x Ø
Before Tensile Strength (Mpa)	≥13.0
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Characteristic Impedance (1-100MHz)	100 ± 15
Max Unbalance Capacitance	2,5%
Max Capacitance	3,3 pF/m
Velocity of propagation (100 MHz)	56 pF/m
	0,62 cm/s

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