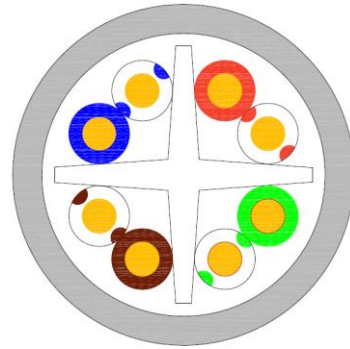


### Cat.6 U/UTP 23AWG Solid Wires Cable



#### Features

- ETL verified ANSI/TIA-568.2-D Cat.6 100m cable performance up to 250MHz
- UL444 cable safety listed
- Power over HDBaseT™ (PoH) applications up to 100 watts
- Construction Products Regulation (CPR) EuroClass Eca

#### Standard Compliance

- ANSI/TIA-568.2-D
- ISO/IEC 11801-1
- IEC 61156-5
- UL 444 (for UL CM or CMR PVC jacket material only)
- UL 444-LP
- IEC 60332-1-2
- IEC 61034-2 smoke (for LSZH jacket material only)
- IEC 60754-2 halogen / acid (for LSZH jacket material only)
- RoHS 2
- CPR Eca

#### Part Number

**ZCBSOA 0207035 14** C6 U/UTP 23AWG solid wires, UL CM, RAL7035 gray color, 1000 feet in neutral easy box

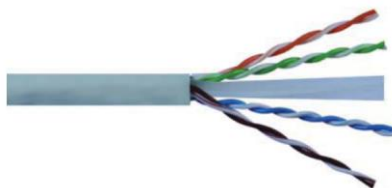
#### ZCBxOA xxxxxxxx 14

(1) (2) (3)

**x** (1) **Jacket material** B=IEC60332-1-2 LSZH, S=UL CM PVC, T=UL CMR PVC  
**xxxxxxx** (2) **Jacket color** 02 07035=gray (RAL7035), 99 P367C=others (PANTONE 367C.)  
**14** (3) **Packaging** 14=1000feet in neutral easy box, 34=1000feet in wooden reel

#### Packing Information

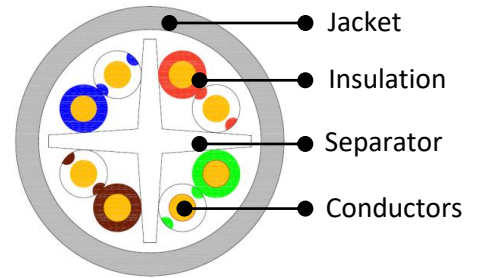
- 1000feet in a neutral easy box
- Easy neutral box size : L40 x W40 x H21cm
- Net weight per neutral easy box: 11.5kg
- Gross weight per neutral easy box: 12.4kg



### Cat.6 U/UTP 23AWG Solid Wires Cable

#### Material Specifications

- Conductors Bare copper, 23AWG, 7 x 0.551±0.005mm
- Insulation HDPE, O.D. 0.97±0.02mm
- Foil Screen n/a
- Braid n/a
- Drain wire n/a
- Jacket Min. 0.55mm thickness, O.D. 5.9±0.2mm
- Separator PE



#### Printing on the cable

- LSZH U/UTP INSTALL CABLE 23AWG 4PR LSZH ETL VERIFIED ISO/IEC 11801 CLASS E & ANSI/TIA-568.2-D CAT.6 XXXXXX-X XXXM
- CM PVC U/UTP INSTALL CABLE 23AWG 4PR E178558 C(UL)US TYPE CM 75°C ETL VERIFIED ISO/IEC 11801 CLASS E & ANSI/TIA-568.2-D CAT.6 XXXXXX-X XXXM

#### Installation Information

- Installing temperature 0°C to 50°C (32°F to 122°F)
- Storage temperature -40°C to 70°C (-40°F to 158°F) , under static conditions
- Operating temperature -20°C to 60°C (-4°F to 140°F) , under static conditions
- Pulling tension Max. 100N
- Band radius Min. 23.6mm (4x of cable O.D.)
- UL temperature rating 75°C

#### Electrical Characteristics(ANSI/TIA-568.2-D, Cable, 100m )

- DC resistance Max. 9.38Ω/100m for each conductor
- DC resistance unbalance Max. 5% within a pair at 20°C
- DC resistance unbalance pair-pair n/a
- Dielectric strength 1KV d.c./0.7KV a.c. for 1min. or 2.5KV d.c./1.7KV a.c. for 2s (IEC61156-5)
- Insulation resistance 5000MΩ/km (IEC61156-5)
- Mutual capacitance Max. 5.6nF/100m, 1kHz at 20°C
- Capacitance unbalance pair-ground Max. 330nF/100m, 1kHz at 20°C
- Surface transfer impedance n/a (Screened only)
- Coupling attenuation n/a (Screened only)
- Propagation delay Max. 536ns/100m at 250MHz
- Delay skew Max. 45ns/100m, from 1 to 250MHz at 20°C, 40°C & 60°C
- Nominal velocity propagation 70%
- Characteristic impedance 100±5Ω at 100MHz
- PoE 60Vd.c., 4PPoE 100W, IEEE802.3bt type 4
- UL voltage rating 300VAC

#### Transmission performance (100m, at 20°C)

| Frequency MHz | Return loss Min. dB | Insertion loss Max. dB | NEXT Min. dB | PSNEXT Min. dB | ACRF Min. dB | PSACRF Min. dB | TCL Min. dB |
|---------------|---------------------|------------------------|--------------|----------------|--------------|----------------|-------------|
| 1             | 20.0                | 2.0                    | 74.3         | 72.3           | 67.8         | 64.8           | 40.0        |
| 4             | 23.0                | 3.8                    | 65.3         | 63.3           | 55.8         | 52.8           | 40.0        |
| 100           | 20.1                | 19.8                   | 44.3         | 42.3           | 27.8         | 24.8           | 30.0        |
| 250           | 17.3                | 32.8                   | 38.3         | 36.3           | 19.8         | 16.8           | 26.0        |
| 500           | -                   | -                      | -            | -              | -            | -              | -           |
| 1000          | -                   | -                      | -            | -              | -            | -              | -           |
| 2000          | -                   | -                      | -            | -              | -            | -              | -           |