



### QP - 66504A

Category 6, UTP Solid Cable, 23 AWG

### Specifications

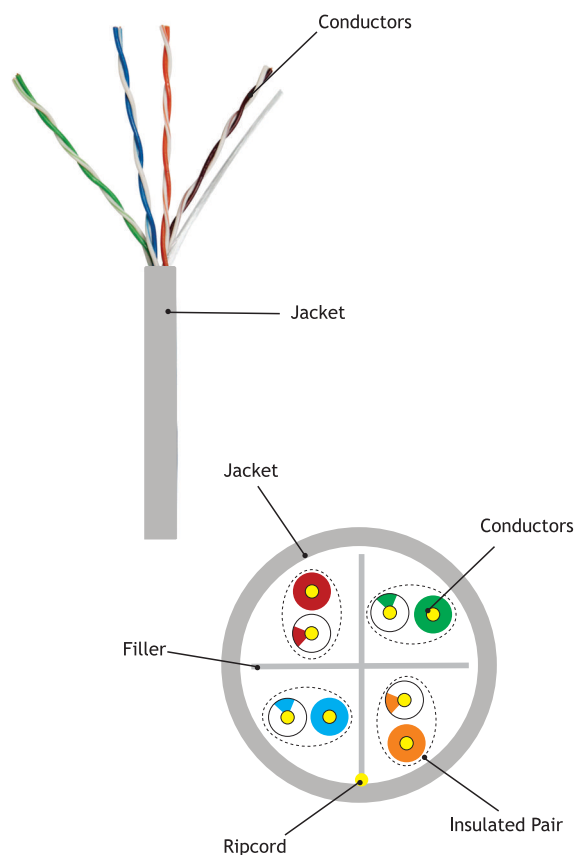
|                                                    |                                                          |
|----------------------------------------------------|----------------------------------------------------------|
| Cable type                                         | 4 pairs UTP                                              |
| Conductor AWG Stranded                             | 23 AWG                                                   |
| Diameter                                           | 0.55 ± 0.01mm                                            |
| Insulation Type                                    | PE 0.973 ± 0.05mm                                        |
| Jacket Type                                        | PVC 6.1 ± 0.3mm                                          |
| Packing m                                          | 305/500/1000m                                            |
| Jacket available                                   | PVC                                                      |
| Color                                              | Grey                                                     |
| Characteristic Impedance                           | (1-100MHz): 100 ± 15 %Ohm<br>(100-250MHz): 100 ± 22 %Ohm |
| Pair-to-ground capacitances unbalance (pF/km) Max. | 1600                                                     |
| Propagation Delay (ns/100m) Max.                   | 534 + 36 / vf                                            |
| Conductor resistance                               | 9.5                                                      |

### UTP Solid Cable

Box for 305 meters

### Description

Extended frequency to 250MHz  
4 x 23 AWG – UTP PVC Cable  
Backward-compatibility with all CAT.5, CAT.5E and CAT.6 Products and application  
Guarantee full-duplex and crosstalk values  
RoHS compliant  
Solid bare copper conductors insulated with polyolefin





### UTP Solid Cable

Box for 305 meters

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### Features

Standards

International: IEC 61156-5  
edit. 2.0

North American:

ANSI/TIA/EIA-568-B.2-1

Cat.6

 Listed E222843 verified

### Technical Data

| IEC 61156-5 ed2.0 Category 6 horizontal cable parameters |                        |            |              |        |           |        |                        |
|----------------------------------------------------------|------------------------|------------|--------------|--------|-----------|--------|------------------------|
| Freq.<br>(MHz)                                           | Ins. Loss<br>(dB/100m) | RL<br>(dB) | Pair to Pair |        | Power Sum |        | Po. Delay<br>(n/s 100) |
|                                                          |                        |            | NEXT         | ELFLEX | NEXT      | ELFLEX |                        |
|                                                          |                        |            | (dB/100)     |        | (dB/100)  |        |                        |
|                                                          | Máx.                   | Mín.       | Mín.         | Mín.   | Mín.      | Mín.   | Máx.                   |
| 1                                                        | 2.1                    | 20         | 75.0         | 68.0   | 72.3      | 65.0   | 570.0                  |
| 4                                                        | 3.8                    | 23         | 66.3         | 56.0   | 63.3      | 53.0   | 552.0                  |
| 10                                                       | 6.0                    | 25         | 60.3         | 48.0   | 57.3      | 45.0   | 545.4                  |
| 16                                                       | 7.6                    | 25         | 57.2         | 43.9   | 54.2      | 40.9   | 543.0                  |
| 20                                                       | 8.5                    | 25         | 55.8         | 42.0   | 52.8      | 39.0   | 542.0                  |
| 31.25                                                    | 10.7                   | 23.6       | 52.9         | 38.1   | 49.9      | 35.1   | 540.4                  |
| 62.5                                                     | 15.05                  | 21.5       | 48.4         | 32.1   | 45.4      | 29.1   | 538.6                  |
| 100                                                      | 19.9                   | 20.1       | 45.3         | 28.0   | 42.3      | 25.0   | 537.6                  |
| 200                                                      | 29.1                   | 18         | 40.8         | 22.0   | 37.8      | 19.0   | 536.5                  |
| 250                                                      | 33.0                   | 17.3       | 39.3         | 20.0   | 36.3      | 17.0   | 536.3                  |