

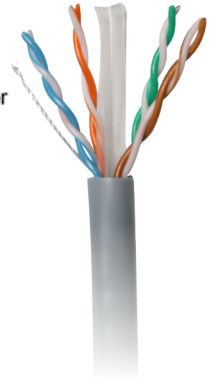
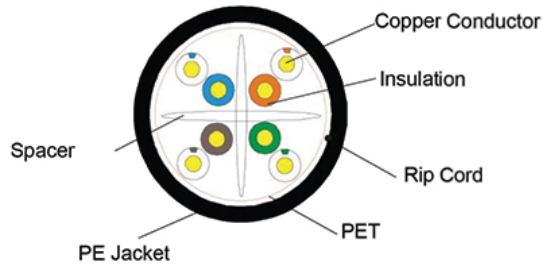
Honeywell

UTP CAT6 SOLID CABLE 305 MTRS. FR-PVC AND LSZH

HONEYWELL Cat6 UTP Cable 4 Pairs is suitable for Horizontal Cabling Systems. Used to transmit High Speed Data, Voice and Video signals both digital & analog through entire CHANNEL. With 250 MHz operational bandwidth it well exceeds the requirement of ANSI/TIA 568-C.2 and ISO 11801.

Features

- True 23 AWG Solid Bare Copper
- Reel in A Box (305 Mtrs.)
- FR-PVC & LSZH Sheath Option
- Jacket Colors on Demand.
- “CHANNEL” Performance Warranty
- Performance Verified Upto 600 MHZ
- Well Exceeds The Requirements of ANSI/TIA 568-C.2 Category 6 and ISO 11801 Class E



Technical Specifications

| CONSTRUCTION | |
|----------------------------|--------------------------------------|
| Conductor | Solid Bare Electrolytic Grade Copper |
| Nominal Conductor Diameter | 23AWG (0.55±0.015) |
| Insulation | Polyethylene (HDPE) |
| Insulation Dia. | 0.98±0.03 |
| Pairing | Twisted into Two core |
| No. of Pair | 4, Each Twisted together |
| Color Code: | |
| Pair #1 | Orange-White with Orange |
| Pair #2 | Brown-White with Brown |
| Pair #3 | Blue-White with Blue |
| Pair #4 | Green-White with Blue |
| Outer Sheath Material | FR-PVC and LSZH |
| Colour of Sheath | L-Grey |
| Approximate OD | 5.9 ± 0.30 mm |
| RIP Cord | Yes |
| Sequential Marking | At Every Meter |
| Cross Filler | HDPE |
| Packing | 305 Mtrs. in Reel in a box |

| PHYSICAL CHARACTERISTICS | |
|--------------------------|--------------|
| Installation Temperature | 0 to +50°C |
| Storage Temperature | -20 to +60°C |
| Operating Temperature | -20 to +60°C |

www.honeywellconnection.com

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ELECTRICAL PARAMETERS

| | |
|---------------------------|---------------------------|
| Conductor Resistance (DC) | 9.8Ω/1000 Mtr. @20°C Max. |
| Resistance Unbalance | 5% Max. |
| Mutual Capacitance | 5.6 nf/100 Mtr. Max. |
| NVP | 69% |
| Impedance | 100 ± 15%Ω |
| Worst Cable Skew | 45ns/100 Mtr. |

HIGH FREQUENCY ELECTRICAL PARAMETERS

| FREQ (MHz) | ATT (db/100m) Min. | Next (db) Min. | PS. NEXT (dB) Min. | ACRF (db@100m) Min. | PS.ACRF (db@100m) Min. | Return Loss (db/100m) Min. |
|------------|--------------------|----------------|--------------------|---------------------|------------------------|----------------------------|
| 1 | 2.1 | 65.0 | 62.0 | 63.3 | 60.3 | 19 |
| 4 | 4.0 | 63.0 | 60.5 | 51.2 | 48.2 | 19 |
| 8 | 5.7 | 58.2 | 55.6 | 45.2 | 42.2 | 19 |
| 10 | 6.3 | 56.6 | 54.0 | 43.3 | 40.3 | 19 |
| 16 | 8.0 | 53.2 | 50.6 | 39.2 | 36.2 | 18 |
| 20 | 9.0 | 51.6 | 49.0 | 37.2 | 34.2 | 17.5 |
| 25 | 10.1 | 50.0 | 47.3 | 35.3 | 32.3 | 17 |
| 31.25 | 11.4 | 48.4 | 45.7 | 33.4 | 30.4 | 16.5 |
| 62.5 | 16.5 | 43.4 | 40.6 | 27.3 | 24.3 | 14.0 |
| 100 | 21.3 | 39.9 | 37.1 | 23.3 | 20.3 | 12.0 |
| 200 | 31.5 | 34.8 | 31.9 | 17.2 | 14.2 | 9.0 |
| 250 | 35.9 | 33.1 | 30.2 | 15.3 | 12.3 | 8.0 |



COPPER



CAT6



Ordering Information (Part Codes and Description)

| No. | Part Code | Description |
|-----|-----------------------------|--|
| 1 | HC000202/CPR/C6/UTP/FR/305M | Cat 6 UTP 4 Pair Solid Cable 23AWG FR-PVC CM 305 Mtrs. |
| 2 | HC000203/CPR/C6/UTP/LS/305M | Cat 6 UTP 4 Pair Solid Cable 23AWG LSZH CM 305 Mtrs. |

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