

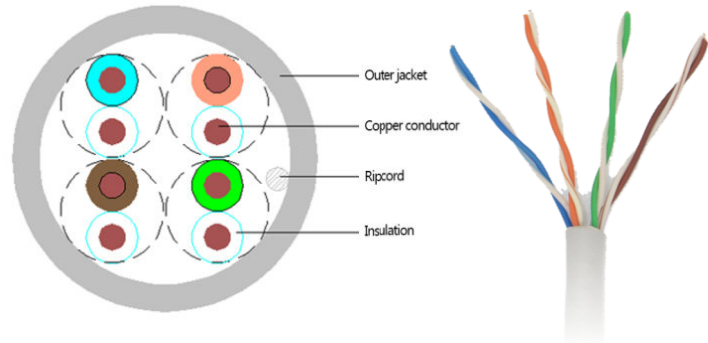
# Honeywell

## UTP CAT5E SOLID CABLE 305 MTRS. FR-PVC AND LSZH

HONEYWELL Cat5e 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 100 MHz operational bandwidth it well exceeds the requirement of ANSI/TIA 568-C.2 and ISO 11801.

### Features

- 24 AWG Solid Bare Copper
- 305 Mtrs. Box
- Sheath Options : FR-PVC and LSZH.
- Sheath Jacket Colors on Demand.
- "CHANNEL" Performance Warranty.
- Operates at Bandwidth Upto 100 Mhz
- Cable Well Exceeds The Requirements of ANSI/TIA 568-C.2 and ISO 11801



### Technical Specifications

CONSTRUCTION	
Conductor	Solid Bare Electrolytic Grade Copper
Nominal Conductor Diameter	(24 AWG), 0.480±0.015 mm
Insulation	Polyethylene (HDPE)
Pairing	Twisted into Two core
No. of Pair	4 Pair 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	FR-PVC and LSZH
Colour of Sheath (As Per Customer Required)	GREY
Approximate OD	4.80±0.30 mm
RIP CORD	Yes
Sequential Marking	At Every Meter
Temperature Rating	-20 to +60°C
Packing	305 Mtrs. in Box

### Low Frequency Electrical Parameters

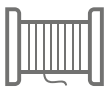
- Conductor Resistance (DC): 110 OHMS/1000Mtr@20 Degree C. Max.
- Resistance Unbalance : 5% Max.
- Mutual Capacitance : 5.6 nF/100 Mtrs Max.
- Capacitance To 1khz 50±5 nF/Km(Max.)
- Capacitance Unbalance Pair/Ground : 330PF/100M Max.
- Propagation Delay Skew: 536nS/100M
- Normal Velocity of Propagation: 69%
- Impedance: 100±15%OHMS
- Worst Case Cable Skew : 45nS/100M
- Generally Confirming To EIA/TIA 568-C.2 and IEC/ISO 11801

[www.honeywellconnection.com](http://www.honeywellconnection.com)

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## ELECTRICAL PERFORMANCE PARAMETERS

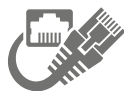
Frequency MHZ	Insertion Loss (dB/100m)	Next Pair to Pair (dB/100m)	Next Power Sum (dB/100m)	ACRF (dB/100)	Power Sum (dB/100m)	Return Loss (dB/100m)
1	2.2	60	47.0	57.4	54.4	17.0
4	4.5	53.5	50.5	45.4	42.4	17.0
8	6.3	48.6	45.6	39.3	36.3	17.0
10	7.1	47.0	44.0	37.4	34.4	17.0
16	9.1	43.6	40.6	33.3	30.3	17.0
20	10.2	42.0	39.0	31.4	28.4	17.0
25	11.4	40.3	37.3	29.4	26.4	16.0
31.25	12.9	38.7	35.7	27.5	24.5	15.1
62.5	18.6	33.6	30.6	21.5	18.5	12.1
100	24.0	30.1	27.1	17.4	14.4	10.0



COPPER



CAT5e



UTP



## Ordering Information (Part Codes and Description)

No.	Part Code	Description
1	HC000101/CPR/C5E/UTP/FR/305M	Cat 5e UTP 4 Pair Solid Cable 24 AWG FR-PVC 305 Mtrs.
2	HC000102/CPR/C5E/UTP/LS/305M	Cat 5e UTP 4 Pair Solid Cable 24 AWG LSZH 305 Mtrs.

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