

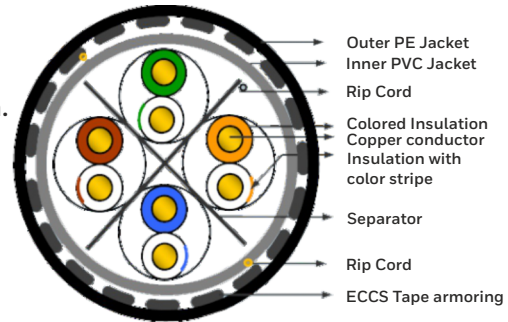
# Honeywell

## ARMORED UTP CAT6 CABLE 305 MTRS

HONEYWELL Cat6 ECCS Armored Cable 4 Pairs used to transmit High Speed Data, Voice and Video signals both digital & analog on Local Area Networks. With 250 MHz operational bandwidth it well exceeds the requirement of ANSI/TIA 568-C.2 and ISO 11801.

### Features

- 305 Mtrs. Reel. 500 Mtrs. Reel in Option
- ECCS Tape Between Two Sheaths For Better Protection.
- Inner Sheath FR-PVC, Outer Sheath Black PE, Black, Antirodent
- UV Resistant
- Suitable For Outdoor Applications



### Technical Specifications

CONSTRUCTION	
Conductor	Solid Bare Electrolytic Grade Copper
Nominal Conductor Diameter	23AWG (0.555 ± 0.015 mm)
Insulation	Polyethylene (HDPE)
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
Inner Sheath	FR-PVC
Inner Sheath Colour	Grey
Armouring	ECCS Tape (Thickness>0.125 mm)
Outer Sheath	PE - Black - Antirodent thickness - 1.3mm Nominal
Outer Sheath Colour	Black
Approximate OD	10.5 + 0.5 mm
RIP Cord	Yes (Optional)
Sequential Marking	At Every Meter
Cross Filler	HDPE
Temperature Rating	20 to + 70°C
Packing	305 Mtrs. in a Wooden Reel

### Low Frequency Electrical Parameters

- Conductor Resistance (DC): 93.5OHMS/1000 Mtr. @ 20 Degree C. Max.
- Resistance Unbalance : 5% Max.
- Mutual Capacitance : 5.6 nF/100 Mtr. Max.
- Capacitance Unbalance Pair/ground: 330pf/100M Max.
- Propagation Delay Skew: 536 nS/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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### PHYSICAL CHARACTERISTICS

Installation Temperature	0 to 50°C
Storage Temperature	-20 to 75°C
Operating Temperature	-20 to +70°C

### ELECTRICAL PARAMETERS

Conductor Resistance (DC)	93.8Ω/1000 Mtr. @20°C Max.
Resistance Unbalance	5% Max.
Mutual Capacitance	5.6 nf/100 Mtr. Max.
NVP	69%
Impedance	100 ± 15%Ω

### 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	2.3	65.0	62.0	63.3	60.3	19
4	4.2	63.0	60.5	51.2	48.2	19
8	5.8	58.2	55.6	45.2	42.2	19
10	6.5	56.6	54.0	43.3	40.3	19
16	8.2	53.2	50.6	39.2	36.2	18
20	9.2	51.6	49.0	37.2	34.2	17.5
25	10.2	50.0	47.3	35.3	32.3	17
31.25	11.5	48.4	45.7	33.4	30.4	16.5
62.5	16.4	43.4	40.6	27.3	24.3	14.0
100	20.9	39.9	37.1	23.3	20.3	12.0
200	30.1	34.8	31.9	17.2	14.2	9.0
250	33.9	33.1	30.2	15.3	12.3	8.0
300	37.4	31.7	28.2	13.7	10.7	7.2
400	43.7	28.7	25.8	11.2	8.2	6.0
500	49.3	26.1	23.2	9.3	6.3	6.0



COPPER



CAT6

## Ordering Information (Part Codes And Description)

No.	Part Code	Description
1	HC000206/CPR/C6/ARM/305M	Cat 6 ARMORED 4 Pair Solid Cable 23AWG FR-PVC 305 Mtrs.

#### History

Rev. 1.0, June 2020

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