

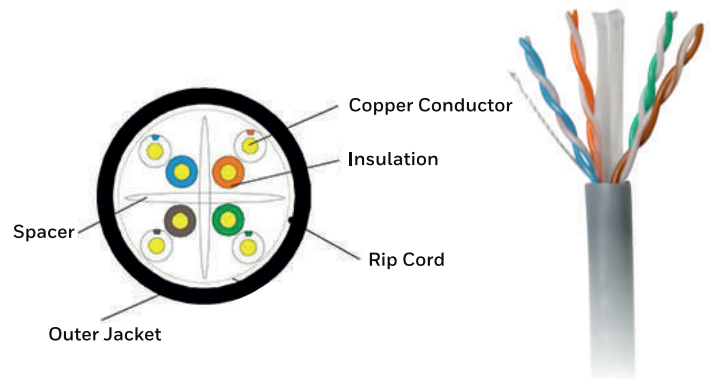


UTP CAT6 SOLID CABLE 305 MTRS. FR-PVC

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

- 23 AWG Solid Bare Copper
- Reel in A Box (305 Mtrs.)
- FR-PVC Sheath
- “CHANNEL” Performance Warranty
- 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
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
Colour of Sheath	L-Grey
Approximate OD	5.7 + 0.2 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.	PartCode	Description
1	HC000210/CPR/C6/UTP/FR/305M	Cat 6 UTP 4 Pair Solid Cable 23AWG FRPVC CM305
2.	HC000288/CPR/C6/UTP/FR/RED/305M	Cat 6 UTP 4 Pair Solid Cable 23AWG FRPVC CM305 Red
3.	HC000289/CPR/C6/UTP/FR/BLU/305M	Cat 6 UTP 4 Pair Solid Cable 23AWG FRPVC CM305 Blue
4.	HC000290/CPR/C6/UTP/FR/YLW/305M	Cat 6 UTP 4 Pair Solid Cable 23AWG FRPVC CM305 Yellow

History

Rev. 1.1, June 2025

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