

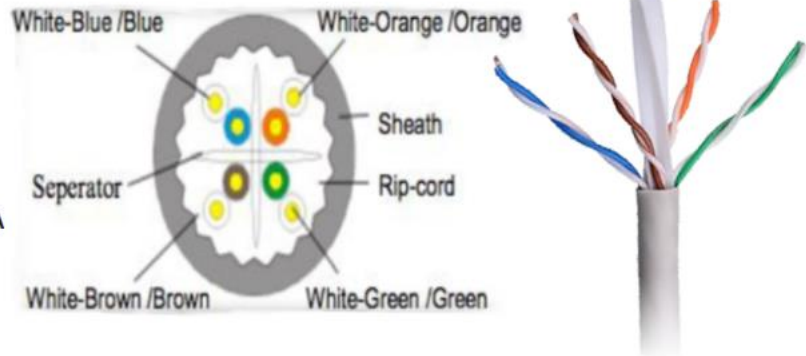
Honeywell

UTP CAT6A SOLID CABLE 305 MTRS. FR-PVC AND LSZH

HONEYWELL Cat6A 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 500 MHz operational bandwidth it well exceeds the requirement of ANSI/TIA 568-C.2 and ISO 11801.

Features

- True 23 AWG Solid Bare Copper
- 305 Mtrs Reel. 500 Mtrs Reel in Option
- Sheath Options As FR-PVC And LSZH
- "Channel" Performance Warranty
- Well Exceeds The Requirements of ANSI/TIA 568-C.2 Category 6A And ISO 11801 Class EA



Technical Specifications

CONSTRUCTION	
Conductor	Solid Bare Electrolytic Grade Copper
Nominal Conductor Diameter	23AWG (0.55 ± 0.015mm)
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 Green
Outer Sheath Colour	FR-PVC and LSZH
Colour of Sheath	L-Grey
Approximate OD	7.20 ± 0.30 mm
RIP cord	Yes
Sequential Marking	At Every Meter
Cross Filler	HDPE
Temperature Rating	-20 to + 70°C
Packing	305 Mtrs in a Wooden Reel

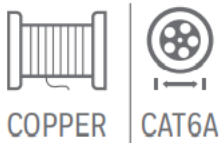
PHYSICAL CHARACTERISTICS	
Installation Temperature	0 to +50°C
Storage Temperature	-20 to +75°C
Operating Temperature	-20 to +70°C

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ELECTRICAL PARAMETER	
Conductor Resistance (DC)	93.8Ω/1000 mtr @20°c Max
Resistance Unbalance	5%Max
Mutual Capacitance	5.6 nf/100mtr 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	2.3	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



Ordering Information (part Codes And Description)

No.	Part Code	Description
Cat 6A	HC000301/CPR/C6A/UTP/FR/305M	Cat 6A UTP 4 Pair Solid Cable 23 AWG FR-PVC 305 Mtrs
Cat 6A	HC000303/CPR/C6A/UTP/LS/305M	Cat 6A UTP 4 Pair Solid Cable 23 AWG LSZH 305 Mtrs

For LSZH Cable, the outer sheath shall be LSZH as per flame rating standard IEC60332

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