

# CAT 6 4-PAIR UTP SOLID COPPER CABLE

## Description

RFI Cat 6 UTP Cable consists of 4 pairs solid copper conductors insulated with High Density Polyethylene (HDPE). Each pair is precisely twisted to minimize crosstalk between the pairs. A Spline or Separator separates each pair to further minimize pair to pair crosstalk. The cable is covered with a Polyvinyl Chloride (PVC) Outer Jacket. Options are available for LSZH and PE.

## Application

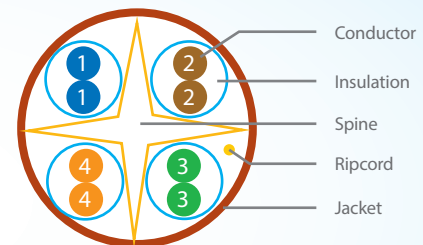
- 100 Base-T4
- 100 Base-TX
- 1000Base-T (Gigabit Ethernet)

## Standard

- ANSI/TIA-568.2-D
- ISO 11801 Class E
- IEEE 802.3bt
- IEC 60754-2(Acid Gas)
- IEC 60332-1(Flame)
- IEC 61034-2(Smoke)

## Features

- 23 AWG Solid Copper Conductors
- PVC, LSZH, PE Outer Jacket
- RoHS compliance
- ETL verified
- Tested to 250MHz
- Ripcord



## Physical Characteristics

Conductor Ø	Insulation (mm)		Outer Jacket (mm)	
	Nom. Thickness	Overall Ø	Nom. Thickness	Overall Ø
0.535 ± 0.05mm	0.225	0.98 ± 0.03	0.55	6.0 ± 0.35

## Electrical Characteristics

Freq (MHz)	RL (dB) (dB/100m)	Attn (dB/100m)	NEXT (dB/100m)	ACR (dB)	PSNEXT (dB)	PSACR (dB)	ELFEXT (dB)	PSELFEX (dB)
1.0	20.0	2.0	74.3	72.3	72.3	70.3	67.8	64.8
4.0	23.0	3.8	65.3	61.5	63.3	59.5	55.8	52.8
10.0	25.0	6.0	59.3	53.3	57.3	51.3	47.8	44.8
16.0	25.0	7.6	56.2	48.6	54.2	49.7	43.7	40.7
20.0	25.0	8.5	54.8	46.3	52.8	44.0	41.8	38.8
31.25	23.6	10.7	52.9	41.2	49.9	39.2	37.9	34.9
62.25	21.5	15.4	47.4	32.0	45.4	30.0	31.9	28.9
100.0	20.0	19.8	44.3	24.5	42.3	22.5	27.8	24.8
200.0	18.0	29.0	39.8	10.8	37.8	8.8	21.8	18.8
250.0	17.3	32.8	38.3	5.5	36.3	3.5	19.8	16.8

## Ordering information

Part No.	Description
RCD-60U3354-1yx	Cat 6 4-pair U/UTP 23 Awg Solid Cable, Star Filler Separator, CM, PVC, 305M
RCD-60U1354-1yx	Cat 6 4-pair U/UTP 23 Awg Solid Cable, Star Filler Separator, LSZH, 305M
RCD-60U2354-4yx	Cat 6 4-pair U/UTP 23 Awg Solid Cable, Star Filler Separator, PE, 305M/Drum
RCD-60U3354-2yx	Cat 6 4-pair U/UTP 23 Awg Solid Cable, Star Filler Separator, CM, PVC, 500M/Drum
RCD-60U1354-2yx	Cat 6 4-pair U/UTP 23 Awg Solid Cable, Star Filler Separator, LSZH, 500M/Drum

\*y = 0 - blue, 1 - orange, 2 - aqua, 3 - sky blue, 4 - grey, 5 - white, 6 - red, 7 - black, 8 - yellow, 9 - purple

\*x = A, D, K, N

\*Other length is available upon request.