

PRODUCT REFERENCE

P/N: UTP cat5E PVC 047
Rev: A0

CONSTRUCTION

1. Conductor: $0.47 \pm 0.01\text{mm}$
Material: Soft annealed bare copper wire

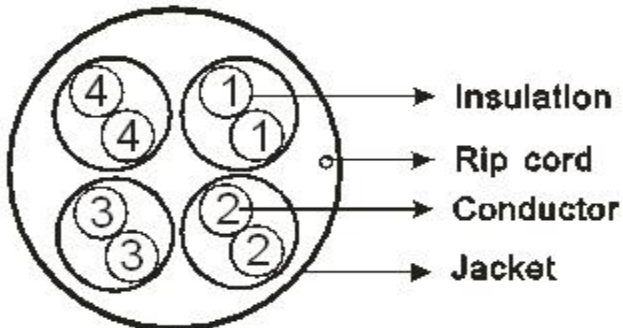
2. Insulation: HDPE
Nominal wall : 0.195mm
Diameter: $0.84 \pm 0.05\text{mm}$

4. Rip cord
under the sheath

5. Jacket: PVC
Min thickness : 0.45mm
Outer diameter: $5.0 \pm 0.50\text{mm}$

Marking:

To Be Determined



This Cable meet ROHS requirement
Confidential information

**UTP Cat5E CU specification
PVC**

Electrical Characteristics

ITEM MHz	ATT	NEXT	RL	PS-NEXT	ELFEXT	PSELFEXT
	dB/100m	dB	dB	dB	dB	dB
	Max.	Min.	Min.	Min.	Min.	Min.
1	3.0	60.0	19.0	57.0	58.6	55.6
4	3.9	54.8	19.0	51.8	46.6	43.6
8	5.5	50.0	19.0	47.0	40.6	37.6
10	6.2	48.5	19.0	45.5	38.6	35.6
16	7.9	45.2	19.0	42.2	34.5	31.5
20	8.9	43.7	19.0	40.7	32.6	29.6
25	10.0	42.1	18.0	39.1	30.7	27.7
31.3	11.2	40.5	17.1	37.5	28.7	25.7
62.5	16.2	35.7	14.1	32.7	22.7	19.7
100	21.0	32.3	12.0	29.3	18.6	15.6

NOTE: FLUKE TIA CAT5e Perm.Link

- Conductor resistance at 20°C: $\leq 120 \Omega/\text{km}$
- Unbalance conductor DC resistance : $\leq 5\%$
- Mutual capacitance: $\leq 56\text{nF}/\text{km}$
- Pair to ground capacitance unbalance $\leq 330\text{pF}/100\text{m}$

Mechanical Characteristics

- Storage Temperature rang: -15°C to 75°C
- Installation Temperature rang: 0°C to 60°C
- Maximum Pulling Force: 25lbs
- Min bend radius (install) : 65mm

Color code

Pair	Color	Pair	Color
1	White/Blue + Blue	3	White/Green + Green
2	White/Orange + Orange	4	White/Brown + Brown