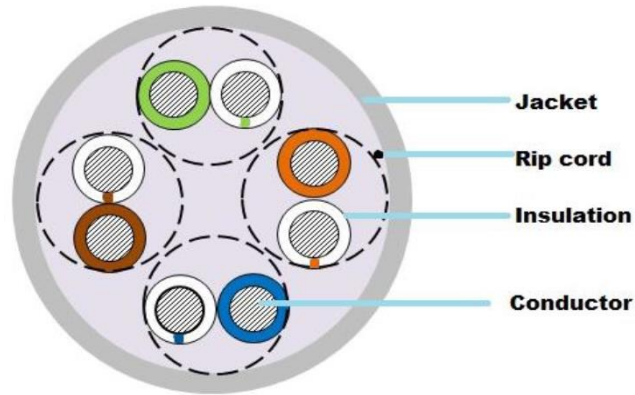


## FibRSol-CAT5e UTP LAN Cable

Item: Twisted Pair CAT5e UTP 0.48 mm LAN Cable

### Highlights:

- ✓ Twisted Pair
- ✓ UTP
- ✓ 0.48mm
- ✓ LAN Cable



### Construction:

Item	Specifications
Conductor	Solid Bare Electrolytic Grade Copper
Nominal Conductor Diameter	0.480±0.015mm
Insulation	Polyethylene (HDPE)
Pairing	Twisted into 2 core
Color Code:	
Pair#1	Orange-White with Orange
Pair#2	Brown-White with Brown
Pair#3	Green-White with Green
Pair#4	Blue-White with Blue
Outer Sheath	PVC
Colour of Sheath	L-Grey
Approximate OD	4.80±0.50mm
RIP CORD	YES
Sequential Marketing	At Every Meter

### Low Frequency Electrical Parameter:

- Conductor Resistance (DC): 110.0 OHMS/1000 MTR@20 Degree C. Max
- Resistance Unbalance: 5% Max
- Mutual Capacitance: 5.6 nF/100 mtrs Max
- Capacitance to 1 KHz 50±5nf/km (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

**High Frequency Electrical Parameter:**

FREQ	INS LOSS	NEXT Pair to Pair	NEXT Power Sum	ACRF	Power Sum	Return Loss
(MHz)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)
	max	min	min	min	min	min
<b>1</b>	2.2	60	57.0	57.4	54.4	17.0
<b>4</b>	4.5	53.5	50.5	45.4	42.4	17.0
<b>8</b>	6.3	48.6	45.6	39.3	36.3	17.0
<b>10</b>	7.1	47.0	44.0	37.4	34.4	17.0
<b>16</b>	9.1	43.6	40.6	33.3	30.3	17.0
<b>20</b>	10.2	42.0	39.0	31.4	28.4	17.0
<b>25</b>	11.4	40.3	37.3	29.4	26.4	17.0
<b>31.25</b>	12.9	38.7	35.7	27.5	24.5	15.1
<b>62.5</b>	18.6	33.6	30.6	21.5	18.5	12.1
<b>100</b>	24.0	30.1	27.1	17.4	14.4	10.0

