

F/UTP CAT 5E Outdoor 4 PAIR 100MHz

Constructive Characteristics:

1) **Conductor:** Bare Solid copper wire 24 AWG

Insulation: HDPE

Shield: PET+AL-tape

Drop wire :0.45 Tinner Copper

Jacket: PE Black

Colour Code: White/blue, White/green, White/brown,White /orange
(white insulation with stripe)

2) **Marking:** Ink-jet, as customer requirements.

Construction	Cable Size	Conductor Dia	Insulation Dia(Nom)	Outer Dia(Nom)
UTP Cat5	4p	0.50	0.9	5.6

Ripcord:-----YES

3) Mechanical Characteristics

Operating Temperature Range:-----20°C To +75°C

Installation Temperature Range:-----0°C To +60°C

Max. Recommended Pulling Tension: ----25 lbs

Min. Bend Radius (Install):-----0.8 in.



4) Electrical Characteristics

Capacitance:-----14 pF/ft

Velocity of Prop.-----PE =71%

Conductor DCR:-----9.0 Ω /100m

Impedance:-----1.0 – 100Mhz /100 $\Omega \pm 15\%$ 100 – 155Mhz /100 $\Omega \pm 18\%$ 155 – 200Mhz /100 $\Omega \pm 19\%$

5) Electrical Performance [@68°F . (20°C)]

Frequency MHz	Pair to pair		ACR (dB/100m) Min	Power Sum	
	NEXT (dB/100m)Min	ELFEXT (dB/100m)Min		Attenuation	Return Loss
0.772	70.0	69.0	68.2	1.8	NA
1.0	68.3	66.8	66.3	2.0	20.0
4.0	59.3	54.7	55.2	4.0	23.0
8.0	54.8	48.7	49.0	5.8	24.5
10.0	53.3	46.8	46.8	6.5	25.0
16.0	50.3	42.9	42.0	8.2	25.0
20.0	48.8	40.7	39.5	9.2	25.0
25.0	47.3	38.8	36.9	10.4	24.3
31.25	45.9	36.9	34.2	11.7	23.6
62.5	41.4	30.8	24.4	17.0	21.5
100.0	38.3	26.8	16.3	22.0	20.1

