✖ ExTell®

CAT 6, U/UTP Network Cable 24 AWG, PVC

Reference Standard- ANSI/TIA/EIA-568-C.2,
Frequency: 250 MHz, ISO/IEC 11801:2011 (Ed 2.2) Class E

Features

• 1 G		• Pure Copper	

Physical Properties

Installation Temperature	0 to +50°C
Storage Temperature	-20 to +75°C
Operating Temperature	-20 to +60°C

Cable Structure

Conductor	Solid Bare Electrolytic Grade Copper
Nominal Conductor Diameter	24 AWG (0.530 ± 0.015 mm)
Insulation	Polyethylene (HDPE)
Pairing	Twisted into Two core
No.of Pair	4, Each pair Twisted
Color Code	
Pair #1	White-Blue with Blue
Pair #2	White-Orange with Orange
Pair #3	White-Green with Green
Pair #4	White-Brown with Brown
Outer Sheath material	PVC
Colour of Sheath	Grey
Approximate OD	5.7 ± 0.30 mm
Rip Cord	YES
Sequential Marking	At Every Meter
Cross Filler	HDPE
Temperature Rating	-20 to + 60°C
Packing	305 Mtrs in a Box

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Electrical Properties

Conductor Resistance	93.8Ω/1000 mtr @20°C Max
Resistance Unbalance	5% Max
Mutual Capacitance	5.6 nf/100 mtr Max
NVP	69%
Impedance	100 ± 15% Ω
Worst Cable Skew	45ns/100 mtr

Transmission Performance

Frequency (MHz)	Attenuation ≤ dB/100m	Near End Crosstalk Loss NEXT ≥ dB/100m	Power Sum NEXT PS NEXT ≥ dB/100m	ACR-F ≥ dB/100m	PS ACR-F ≥ dB/100m	Return Loss RL ≥ dB
1	2.1	65	62	63.3	60.3	19
4	4	63	60.5	51.2	48.2	19
8	5.7	58.2	55.6	45.2	42.2	19
10	6.3	56.6	54	43.3	40.3	19
16	8	53.2	50.6	39.2	36.2	18
20	9	51.6	49	37.2	34.2	17.5
25	10.1	50	47.3	35.3	32.3	17
31.25	11.4	48.4	45.7	33.4	30.4	16.5
62.5	16.5	43.4	40.6	27.3	24.3	14
100	21.3	39.9	37.1	23.3	20.3	12
200	31.5	34.8	31.9	17.2	14.2	9
250	35.9	33.1	30.2	15.3	12.3	8

Ordering Information

Model	Description
E6XCVI42-U	Category 6, U/UTP Installation Cable 24 AWG, 305 m box, PVC

CE   ISO