

Enhanced Category 5 STP Cable

100 Ohm, 4 Pair Shielded Twisted Pairs Data Cable (UL Verified to TIA/EIA 568B & ISO/IEC 11801)



PRODUCT CODE STP CAT5e

CONSTRUCTION

Conductor	24AWG Plain Copper Conductor
Core Insulation	Data Grade Polythene
Core Identification	2 Colours are stated on a core this denotes Bi-coloured Insulation
Twisted Construction	Insulated cores twisted into pairs, 4 pairs laid-up to form a compact and circular cable
Outer Conductor	Aluminum foil with Copper wire braid
Outer Sheath	PVC

DIMENSIONS

	Conductor	Core	Nom. O.D.
Diameter in mm	0.51	0.91	6.0

ELECTRICAL DATA

	Impedance	Capacitance	D.C. Resistance	Capacitance Unbalance	Resistance Unbalance
Characteristics	85-115 ohm	< 56 nF/km	< 93.8 ohm/km	< 1600 pF/km	< 2 %

ATTENUATIONS

		Nominal Attenuation (max)	Worst Pair NEXT (min)	PSNEXT (min)	Worst Pair ELFEXT (min)	PSELFEXT (min)	Return Loss (min)
at 0.772 MHz	dB/100m	1.8	67.0	64.0	66.0	63.0	
at 1 MHz	dB/100m	2.0	65.3	62.3	63.8	60.8	20.0
at 4 MHz	dB/100m	4.1	56.3	53.3	51.7	48.7	23.0
at 8 MHz	dB/100m	5.8	51.8	48.8	45.7	42.7	24.5
at 10 MHz	dB/100m	6.5	50.3	47.3	43.8	40.8	25.0
at 16 MHz	dB/100m	8.2	47.3	44.3	39.7	36.7	25.0
at 20 MHz	dB/100m	9.3	45.8	42.8	37.7	34.7	25.0
at 25 MHz	dB/100m	10.4	44.3	41.3	35.8	32.8	24.3
at 31.25 MHz	dB/100m	11.7	42.9	39.9	33.9	30.9	23.6
at 62.50 MHz	dB/100m	17.0	38.4	35.4	27.8	24.9	21.5
at 100 MHz	dB/100m	22.0	35.3	32.3	23.8	20.8	20.1
at 155 MHz	dB/100m	28.1	32.5	29.5	19.9	16.9	15.8
at 200 MHz	dB/100m	32.4	30.8	27.8	17.7	14.7	15.0

PACKINGS

Length 305 metre per reel