

# Category 6 STP Shielded Cable

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



**PRODUCT CODE** STP CAT6 (SFTP CAT6)

## CONSTRUCTION

Conductor	23AWG 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 tinned copper wire braid
Outer Sheath	PVC

## DIMENSIONS

	Conductor	Core	Nom. O.D.
Diameter in mm	0.57	1.03	7.08

## ELECTRICAL DATA

	Impedance	Capacitance	D.C. Resistance	Capacitance Unbalance	Resistance Unbalance
Characteristics	85-115 ohm	≤ 56 nF/km	≤ 72.5 ohm/km	≤ 3300 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	76	74.2	70	67	
at 1 MHz	dB/100m 2.0	74.3	72.3	67.8	64.8	20.0
at 4 MHz	dB/100m 3.8	65.3	63.3	55.7	52.7	23.0
at 8 MHz	dB/100m 5.4	60.8	58.8	49.7	46.7	24.5
at 10 MHz	dB/100m 6.0	59.3	57.3	47.8	44.4	25.0
at 16 MHz	dB/100m 7.7	56.3	54.3	43.7	40.7	25.0
at 20 MHz	dB/100m 8.6	54.8	52.8	41.7	38.7	25.0
at 25 MHz	dB/100m 9.6	53.3	51.3	39.8	36.8	24.3
at 31.25 MHz	dB/100m 10.8	51.9	49.9	37.8	34.9	23.6
at 62.50 MHz	dB/100m 15.7	47.4	45.4	31.8	28.8	21.5
at 100 MHz	dB/100m 20.2	44.3	42.3	27.8	24.8	20.1
at 200 MHz	dB/100m 29.8	39.8	37.8	21.7	18.7	18.0

## PACKINGS

Length 305 metre per reel

*Specifications subject to change without notice*