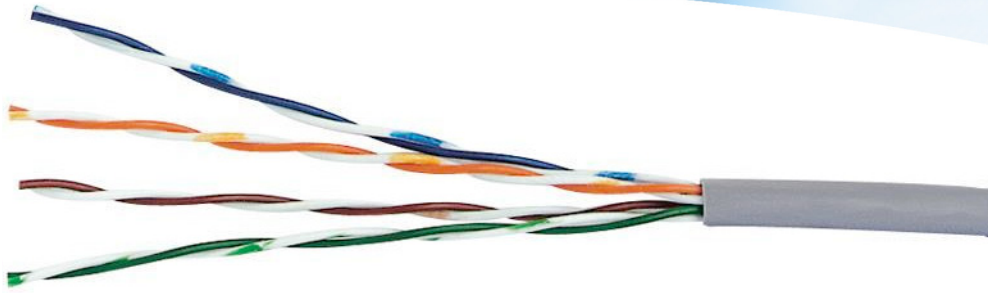


GTCAT6

Cat 6 UTP 23 AWG PVC GREY



Construction	
Material	Solid Bare Copper
Length	305m
Conductor Dia. (mm)	23 AWG 0.57 ±0.005mm
Insulation	Polyethylene
External Dia.	6.25mm ±0.2 mm
Material	PVC
Colour	Grey RAL7004
Rip Cord	0.51 Tinned Copper
Core Colours	
Blue/White/Blue, Orange/White/Orange, Green/White/Green, Brown/White/Brown	
Electrical Characteristics	
Impedance(Ω) : (1-100MHz)	100 ±15Ω
DC Loop Resistance	<18.0Ω/100m
Resistance Unbalance	<2%
Capacitance Unbalance To Earth	<1600pF/km
Nominal Velocity Of Propagation	67%
Propagation Delay (Nominal)	<535ns/100m
Conductor/Conductor	1000V
Insulation Resistance (500V D.C)	<5000MΩ.km
Coupling Attenuation	40dB
Mechanical	
Operation	20°C to +60°C
Installation	0. °C to + 50°C
Storage	20°C to +70°C
Installation	8 X Cable Diameter
Installed	4 X Cable Diameter
Max Tensile Force During Installation	100N

GTCAT6

Cat 6 UTP 23 AWG PVC GREY

Test Standard

ISO/IEC 11801 2ND Edition TIA/EIA 568-B.2 EN
50173 IEC 61156-5 EN 50288-3-1
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Technical Performance (100m):

Frequency (MHz)	Return loss dB	Attenuation (dB/100m)	NEXT (dB)	ACR (dB/100m)
1	20.0	2.1	78.0	78.0
4	23.0	3.8	69.0	65.2
10	25.0	6.0	63.0	57.0
16	25.0	7.6	60.0	52.3
20	25.0	8.5	59.0	50.0
31.25	23.6	10.7	56.0	45.0
62.5	21.5	15.1	51.0	36.0
100	20.1	19.9	48.0	28.9
155.5	18.8	23.8	45.0	21.3
175	18.4	25.3	44.0	19.1
200	18.0	27.0	44.0	16.5
250	17.3	32.0	42.0	10.0

Frequency (MHz)	PSNEXT (dB)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)
1	75.0	82.0	80.0
4	66.0	70.0	68.0
10	60.0	62.0	60.0
16	57.0	58.0	56.0
20	56.0	56.0	54.0
31.25	53.0	52.0	50.0
62.5	48.0	46.0	44.0
100	45.0	42.0	40.0
155.5	42.0	38.0	36.0
175	41.0	37.0	35.0
200	41.0	36.0	34.0
250	39.0	34.0	32.0