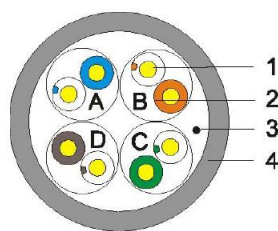# UTP/CAT5e 4p PVC

Application

Category 5 cable (cat 5) is a twisted pair cable for carrying signals. This type of cable is used in structured cabling for computer networks such as Ethernet. The cable standard provides performance of up to 100 MHz and is suitable for 10BASE-T, 100BASE-TX (Fast Ethernet), and 1000BASE-T (Gigabit Ethernet). Cat 5 is also used to carry other signals such as telephony and video.

Construction

Diameter

Inner conductor	**[1]**	copper [Cu]	$\varnothing$ **0.5** ± 0.005 mm
Insulation	**[2]**	polyethylene [HDPE]	$\varnothing$ **0.87** ± 0.02 mm
Insulation colors			
	[A]	blue, white-blue	
	[B]	orange, white-orange	
	[C]	green, white-green	
	[D]	brown, white-brown	
Center	**[3]**	polyester tape	
Jacket	**[4]**	grey PVC	$\varnothing$ **5.1** ± 0.3 mm

Electrical characteristics 20 °C

Characteristic impedance	Ω	100 ± 15
DC Resistance	Ω/100m	9.5
DC Conductor Resistance Unalance %		5.0

Other electrical characteristics

Frequency	RL	ATT	NEXT	DELAY	PSNEXT	ELFEXT	PSELFEXT
MHz	≥dB	≤dB	≥dB	≤ns	≥dB	≥dB	≥dB
1.0	20.0	2.0	65.3	570.00	62.3	64.0	61.0
4.0	23.0	4.1	56.3	552.00	53.3	52.0	49.0
8.0	24.5	5.8	51.8	546.73	48.8	45.9	42.9
10.0	25.0	6.5	50.3	545.38	47.3	44.0	41.0
16.0	25.0	8.2	47.2	543.00	44.44	39.9	36.9
20.0	25.0	9.3	45.8	542.05	42.8	38.0	35.0
25.0	24.3	10.4	44.3	541.20	41.3	35.8	33.0
31.25	23.6	11.7	42.9	540.44	39.9	34.1	31.1
62.5	21.5	17.0	38.4	538.55	35.4	28.1	25.1
100	20.1	22.0	35.3	537.60	32.3	24.0	21.0

Orders

Product code	Cable type	Standard lenght [m]	package dimensions hei. [cm]x wei. [cm] x len. [cm]
SCAT5eUVG	UTP/CAT5e grey	305	35x35x20

The manufacturer reserves the right to make changes