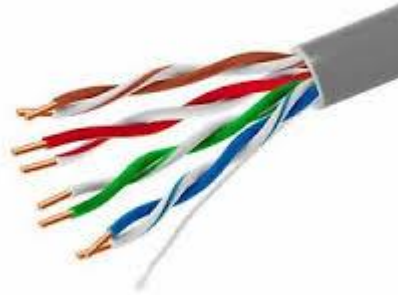


CAT-5e 4 PAIRS U/UTP NETWORKING CABLES

CAT-5e Cables are used for LAN (local area network), Data centre & Video applications delivering 10base-t Gigabit Ethernet, 100base-Tx fast Ethernet and for composite video.



PHYSICAL CONSTRUCTION						
CONDUCTOR	4xTwisted Pairs, 24AWG/0.51mm, Bare Annealed solid copper wire					
INSULATION CONDUCTOR	HDPE					
PAIRS CONDUCTOR	<table border="1"> <tr> <td rowspan="4">4 PAIRS</td> <td>White-Blue/Blue</td> </tr> <tr> <td>White-Orange/Orange</td> </tr> <tr> <td>White-Green/Green</td> </tr> <tr> <td>White-Brown/Brown</td> </tr> </table>	4 PAIRS	White-Blue/Blue	White-Orange/Orange	White-Green/Green	White-Brown/Brown
4 PAIRS	White-Blue/Blue					
	White-Orange/Orange					
	White-Green/Green					
	White-Brown/Brown					
RIPCORD	Yes					
OUTER SHEATH	LDPE/PVC					
SHEATH COLOUR	BLACK/BLUE(can be customised)					
STANDARD LENGTH	305 meters					
PACKAGING	PULL UP BOX/COILS.					

PHYSICAL CHARACTERISTICS					
Conductor Size	Insulation Dia.(mm.)	Nom. Thickness Of Sheath(mm.)	Nom. Overall Dia.(mm.)	Min. Install Bend Radius(mm.)	Max. Pulling Tension (Newton)
24Awg/0.51mm	0.90	0.65	5.5	43	200

ELECTRICAL CHARACTERISTICS

C.R (Ω /100M)	Max. Mutual Capacitance (pF/m)	Impedance (Ω)	Velocity of Propagation (%)	Max. Delay Skew (ns/100m)	Max. Operating Voltage(Volts RMS)
9.4	56	100±15	67	45	300

PERFORMANCE CHART

Frequency MHz	Return Loss (dB/100m)	Max. Attenuation (dB/100m)	Min. NEXT dB	Max. Time Delay (ns/100m)	Min. PSNEXT (dB)	Min. ELFEXT (dB)	Min. PSELFEXT
1	20	2.0	65.4	571	62.4	64	61
4	23	4.1	56.2	553	53	52	49
8	24.6	5.8	51.8	546	48.5	45	42.6
10	25.1	6.5	50.3	545	47.5	43.5	41
16	25	8.2	47.3	543	44.2	40	36.5
20	25	9.3	45.8	543	43	38	35
25	24.3	10.4	44.3	542	41	35.6	33
31.25	23.6	11.7	42.9	540	40	34	31
62.5	21.5	17.0	38.4	539	35.5	28	25
100	20.3	22.0	35.3	538	32.4	24	21