

CATEGORY 5E CABLE

ELECTRICAL CHARACTERISTICS

Impedance:	100 ± 15 Ohms
Nominal Mutual Capacitance @ 1 KHz:	15 pf/foot
Maximum Capacitance Unbalance:	330 pf/100 m
Nominal Velocity of Propagation:	70%
Maximum Delay (ns/100m) @ 100 MHz:	538 ns
Maximum Delay Skew:	45 ns/100m
Maximum DCR Unbalance @ 20° C:	5%
Maximum Conductor DC Resistance @ 20° C:	9.38 Ohms/100m
Maximum Operating Voltage - UL:	300 V RMS
UL:	CM
All the Cat5 certified to 100 MHz, swept to 350 MHz	

CONSTRUCTION CHARACTERISTICS

Number of Pairs:	4
Total Number of Conductors:	8
AWG:	24
Conductor Stranding:	Solid
Insulation Material:	HD-PE
Outer Jacket Material:	PVC-Polyvinyl Chloride
Outer Jacket Ripcord:	Yes
Shipping Weight:	29 lbs/1000 ft.
Max. Recommended Pulling Tension:	35 lbs.
Min. Bend Radius (Install):	0.5'
Operating Temperature Range:	-20° C to +75° C

DIMENSIONS

Width:	14"
Height:	8.13"
Depth:	14.25"
Volume:	1,621.94 cubic in.
Weight:	20.15 lbs.



Frequency (MHz)	Return Loss (Min. dB)	Attenuation (Max. dB/100m)	NEXT (Min. dB)
0.772	1.8	19.4	67.0
1.0	2.0	20.0	65.3
10	6.5	25.0	50.3
30	11.7	23.6	42.9
60	17.0	21.5	38.4
100	22.0	20.1	35.3
200	32.4	18.0	30.8
300	41.0	16.8	28.2
350	44.9	16.3	27.2