

CATEGORY 6 CABLE

ELECTRICAL CHARACTERISTICS

Impedance (1 ~ 250 MHz): 100 ± 15 Ohms
 Nominal Mutual Capacitance @ 1 KHz: 15 pf/foot
 Nominal Velocity of Propagation: 70%
 Maximum Delay Skew: <.45 ns/100m
 Maximum DCR Unbalance @ 20° C: <.5%
 Maximum Conductor DC Resistance @ 20° C: 9.5 Ohms/100m
 Maximum Operating Voltage - UL: 300 V RMS
 All the Cat6 certified to 250 MHz, swept to 500 MHz

CONSTRUCTION CHARACTERISTICS

EIA/TIA: 568-B.2.1
 ISO: 11801 Class E
 Number of Pairs: 4
 Total Number of Conductors: 8
 AWG: 23 (.5 mm ± .01)
 Conductor Stranding: Solid
 Conductor Material: BC-Bare Copper
 Insulation Material: HDPE
 Outer Jacket O.D.: .256" (6.5 mm)
 Outer Jacket Material: FR-PVC
 Outer Jacket Ripcord: Yes
 Shipping Weight: 33 lbs./1,000 ft.
 Max. Recommended Pulling Tension: 38 lbs.
 Min. Bend Radius (Install): 1.0" (2.5 cm)
 Operating Temperature Range: -20°C to + 75°C
 Footage Markers: 0-1,000 ft.
 UL/ETL Flame: UL 1581 CM

DIMENSIONS

Width: 10.75 in.
 Height: 13.50 in.
 Depth: 13.25 in.
 Volume: 1,922.91 cubic in.
 Weight: 31.75 lbs.

PALLET

Width: 43.50 in.
 Height: 44.00 in.
 Depth: 40.50 in.
 Volume: 77,517.00 cubic in.
 Weight: 1,150.96 lbs.
 Quantity: 48 Boxes



Frequency (MHz)	Return Loss (Min. dB)	Attenuation (Max. dB/100m)	NEXT (Min. dB)	PSNEXT (Min dB/100m)	ELFEXT (Min dB/100m)	PSELFEXT (Min dB)
1	20.0	2.2	74.3	72.3	67.8	64.8
4	23.0	4.1	65.3	63.3	55.8	52.7
10	25.0	6.3	59.3	57.3	47.8	44.8
16	25.0	7.8	56.2	54.3	43.7	40.7
20	25.0	8.7	54.8	52.8	41.8	28.8
31.25	23.6	10.9	51.9	49.9	37.9	34.9
62.5	21.5	15.5	47.4	45.4	31.9	28.9
100	20.1	19.9	44.3	42.3	27.8	24.8
200	18.0	29.0	39.8	31.8	21.8	18.8
250	17.3	32.8	38.3	36.3	19.8	16.8