

CATEGORY 6 CABLE - CMR/FT4

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 1666 CMR

DIMENSIONS

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



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