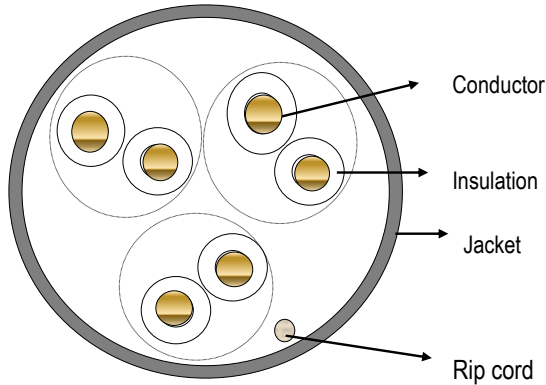


**3PAIR 24AWG CAT 3 PVC UTP CABLE**

**Cross Section**



**Description**

**Application**  
Supports LAN applications utilizing bandwidths up to 16Mhz., Ethernet, for linking multiple workstations.

**Reference Standard**  
Exceeds EIA/TIA 568 B.2-1

**Construction**

Conductor	Solid Bare Copper
AWG	22
Conductor Dia.(±0.005mm)	0.45
Insulation	PE
Average Thickness(mm)	0.225
Min.Point Thickness(mm)	0.203
Insulation Dia.(±0.02mm)	0.90
Twisted Pair Dia. (±0.01)	1.80
Polyester tape (W=50mm/±0.025mm)	
Assembly Dia. (mm)	3.40
Jacket	PVC
Average Thickness(in.)	0.50
Min.Point Thickness(mm)	0.45
Outer Dia.(±0.2mm)	4.30
Rip Cord	Per request

**Insulation Colors**

Insulation colors:  
 Pair 1 : Blue - White  
 Pair 2 : Orange - White  
 Pair 3 : Green - White

**Jacket Colors**

Jacket colors:  
 Standard Gray  
 Special Per customer request

**Part No.: 3CM243BG**



**Performance**

**Electrical Characteristics:**

Frequency (MHz)	Return loss (Min. dB)	Attenuation Max (dB/100m)	Delay (ns/100m)
0.772	12	2.2	576
1	12	2.6	570
4	12	5.6	552
8	12	8.5	545
10	12	9.7	545
16	10	13.1	543

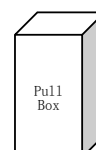
Frequency (MHz)	NEXT ( Min.dB)	SKEW ns
0.772	43.0	
1	41.3	
4	32.3	45
8	27.8	
10	26.3	
16	23.3	

Impedance(ohms)	100±15
Max. Conductor DC Resistance (ohms/M')	98 (Max)
Resistance Unbalance(%)	≤2.0%

**Mechanical Characteristics:**

Test Object	Jacket
Test Material	PVC
Before Tensile Strength(Mpa)	≥13.8
Aging Elongation (%)	≥100
Aging Condition(°Cxhrs)	100x240
After Tensile Strength (Mpa)	≥85% of unaged
After Elongation (%)	≥50% of unaged
Cold Bend(-20±2°Cx4hrs)	No crack

**Standard Packaging**



1000' ft. Pull Box  
Weight: 17 lbs

\*All values in this specification are nominal and are subject to tolerances of +/- 10 to 15%.

It is the sole responsibility of the user to have the most current specification. Specifications are subject to change without notice.