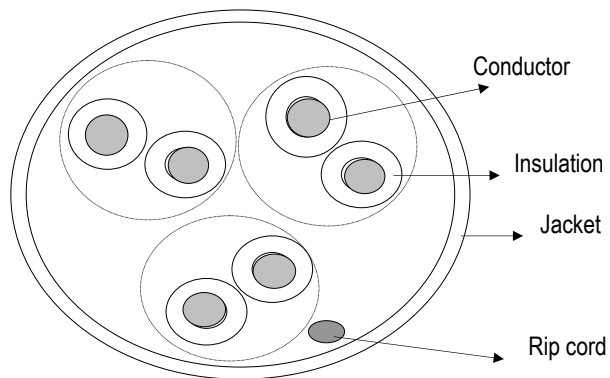


3PAIR 24AWG CAT 3 CM UTP CABLE
Cross Section

Marking

E#, 3PR 24AWG UTP 75Ω (UL) CM - ETL CAT 3 16MHz.
TIA/EIA 568B.2 Commodity Cables, Inc. 3CM244BG. -Feet marking

Description

Rated Temperature(I) 70
Product Rating UL
Flammability Test CM

Application

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

Reference Standard

UL subject 444, EIA/TIA-568A

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

Color
Insulation colors are:

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

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(Ixhrs) 100x240
After Tensile Stength (Mpa) ≥=85% of unaged
After Elongation (%) ≥=50% of unaged
Cold Bend(-20±2x4hrs) No crack

Standard Packaging


1000' ft. Reelex Box
17 lbs