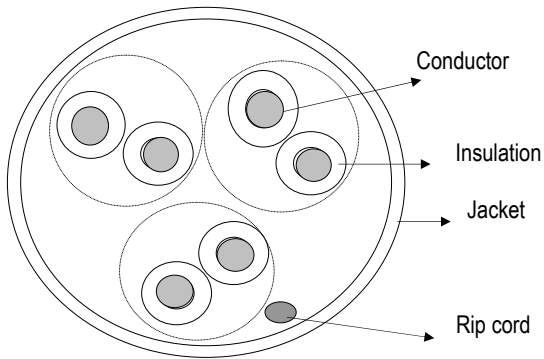


# COMMODITY CABLES, INC.

## 3PAIR 24AWG CAT 3 CM UTP CABLE

### Cross Section



### Marking

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

### Description

Rated Temperature(°C) 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(°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 subjective to tolerances of +/- 10 to 15%.