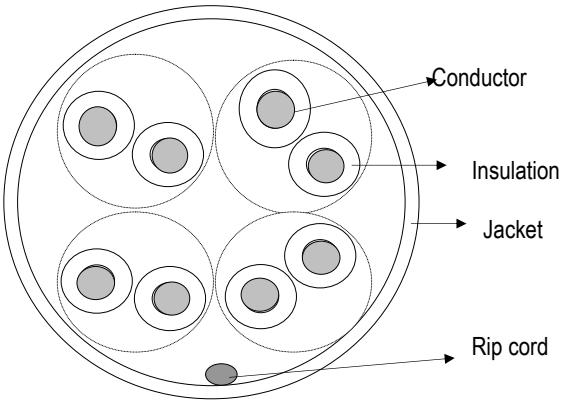


COMMODITY CABLES, INC.

4PAIR 24AWG CAT 3 CM UTP CABLE

Cross Section



Marking

E#, 4PR 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) 3.80
Jacket *PVC*
Average Thickness(in.) 0.50
Min.Point Thickness(mm) 0.45
Outer Dia.(±0.2mm) 5.00
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.: 3CM244BG



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	41.0	
4	32.0	45
8	28.0	
10	26.0	
16	23.0	

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: 20 lbs

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