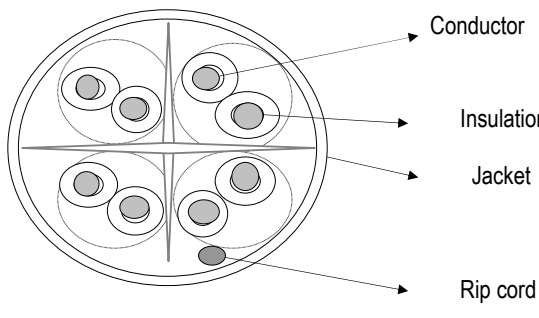

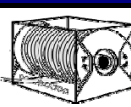


COMMODITY CABLES, INC.

4PAIR 23AWG CAT 6E 550MHZ. CMP UTP CABLE

Cross Section		Part No.: 6CMP234xx	
			
Marking		Construction	
(UL) C(UL) E# CMP 75C 23AWG 4PR UTP ETL VERIFIED CAT 6 TESTED TO 550MHz TIA/EIA-568-B.2 COMMODITY CABLES 6CMP234SBx 1000FT MO/YR		Conductor <i>Solid Bare Copper</i> AWG 23 Conductor Dia.(mm) 0.540 Insulation <i>Teflon</i> Average Thickness(mm) 0.25 Min.Point Thickness(mm) 0.17 Insulation Dia.(±0.02mm) 1 Twisting Lay Length(mm) 30underneath Cabling Lay Length(±20mm) 140 Jacket <i>Low Smoke PVC</i> Average Thickness(mm) 0.5 Min.Point Thickness(mm) 0.43 Outer Dia.(±0.2mm) 6.0 Rip Cord Per request	
Description		Colors	
Rated Temperature(I) 75 Product Rating UL Flammability Test CMP Voltage Rating 300V Application High Speed Horizontal Cabling, 100 Mbps TPDDI, 100 Base T, 622 Mbps ATM, IEEE802.3/IEEE802.5, Digital Video,Gigabit Ethernet, etc. Reference Standard ANSI/EIA/TIA 568B & ISO/IEC11801 UL subject 444 & 910		Insulation colors are: Blue, White/Blue Orange, White/Orange Green, White/Green Brown, White/Brown Jacket colors: Standard Blue, White, Green, Yellow, Gray & Black Special Per customer request	
Performance			
<i>Electrical Characteristics:</i>			
Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB)	ACR (db)
0.772	1.8	76.0	74.2
1	2.0	74.3	72.3
4	3.8	65.3	61.5
8	5.4	60.8	55.4
10	6.0	59.3	53.3
16	7.7	56.3	48.6
20	8.6	54.8	46.2
25	9.6	53.3	43.7
31.25	10.8	51.9	41.1
62.5	15.7	47.4	31.7
100	20.2	44.3	24.1
200	29.8	39.8	10.0
250	33.8	38.3	4.6
300	36.4	37.1	0.7
350	39.8	36.1	-
400	43.0	35.3	-
500	48.9	33.8	-
550	51.8	33.2	-
1.0-100.0MH impedance(ohms)		100±15	
1.0-100.0MH Delay Skew(ns/100m)		<=45	
Pair-to-Ground Capacitance Unbalance(Pf/100m)		<=330	
Max. Conductor DC Resistance 20l (ohms/km)		9.38	
Resistance Unbalance(%)		<=5	
Standard Packaging		<i>Mechanical Characteristics:</i>	
 Spool in a Box Weight: 39 lbs		Test Object <i>Jacket</i> Test Material LS-PVC Before Tensile Strength(Mpa) >=13.8 Aging Elongation (%) >=100 Aging Condition(xhrs) 100x240 After Tensile Stength (Mpa) >=85% of unaged After Elongation (%) >=50% of unaged Cold Bend(-20±2x4hrs) No crack	

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