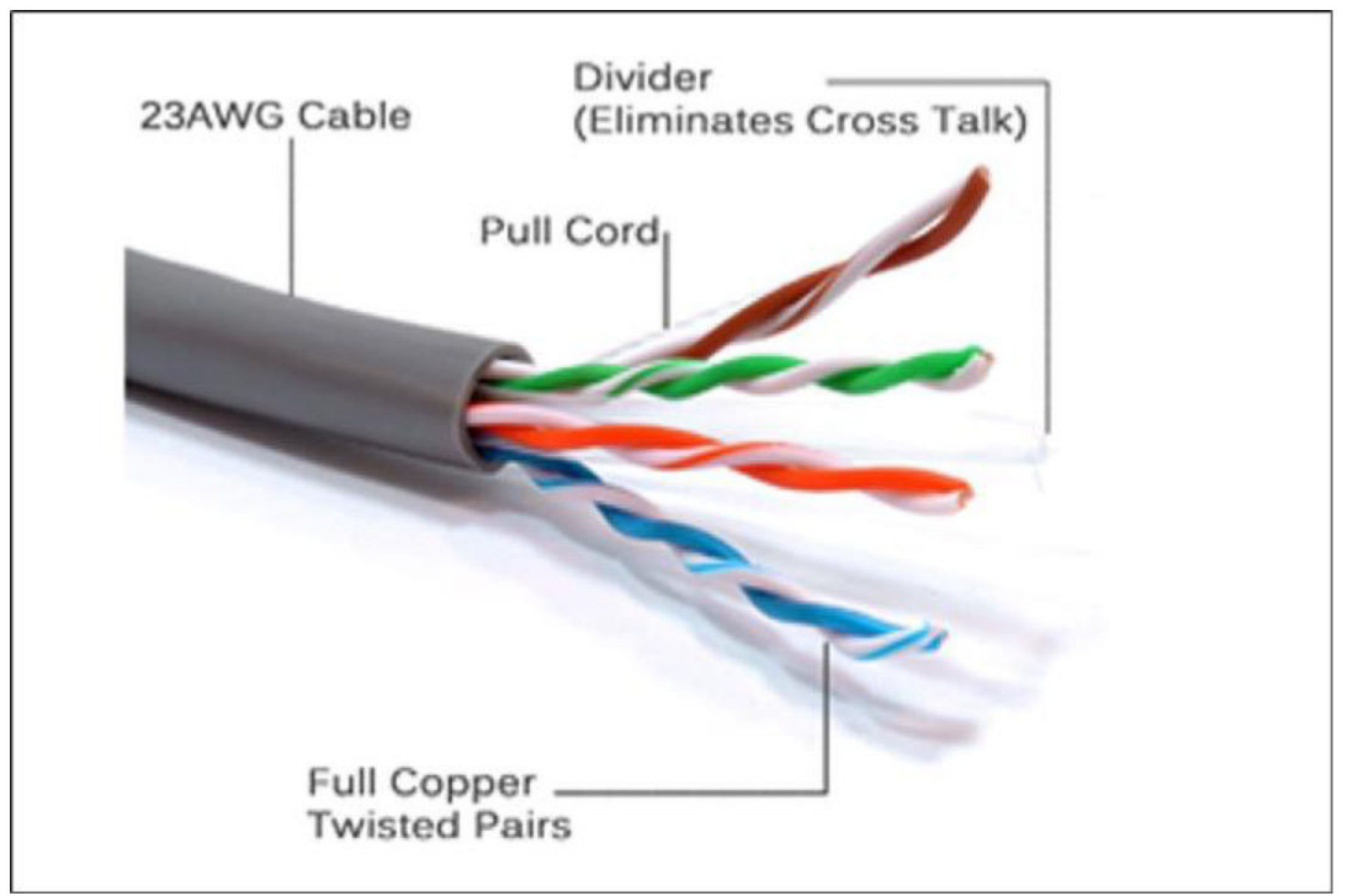


CAT6 Plenum (CMP) Jacket 100% Copper QUALITY IS PRIORITY 1000ft CABLE

Maximize performance on your cabling project with the Discounted Cables CAT6 Plenum (CMP) Jacket 100% Copper Cable. Our Cat6 Plenum Jacket cable is an unshielded twisted pair (UTP) bulk cable for reducing EMI/RFI noise in high-speed Ethernet networks.

Our CAT6 Cables are made up of solid 23AWG pure copper and color-coded for compatibility with standard installations.

CONSTRUCTION	
Conductor Material	Solid bare Copper
Conductor Size	23 AWG x 4P
Conductor Diameter	0.574 ±/-0.008 mm
Insulating Material Type	HDPE
Insulation Diameter	1.12 ±/-0.05 mm
Insulation Avg. Thickness	0.273 ±/-0.05 mm
Number of Insulations	4 Pairs
Shielding	U/UTP



APPLICABLE STANDARDS	
Fluke Tested, TIA - 568 - C.2, and ISO/IEC 11801	
ROHS	
Compliant	
ATM 155 Mbps	
Ethernet IOBASE-T, IOBASE-TX, IOBASE-VG, 1 OOBASE-T4	
1000 Mbps IOOBASE-T Gigabit Ethernet (IEEE 802.3)	



SPECIFICATIONS	
Industry Category	6
Wire Gauge	23AWG stranded or solid UTP minimum (ASTM B3-01 and ASTM 8258-02)
Copper Purity	99.6% pure
Wire Count	4 Pairs (minimum)
Jacket	CMP (Plenum)
Data Speed	1000 Mbps/1000 BASE-T



BOX	
CAT6 CMP BOX 1000FT	

CAT6 Plenum (CMP) Jacket 100% Copper CABLE

FREQUENCY (MHZ)	RETURN LOSS (Db/100M)	ATTENUATION (dB/100M)	NEXT (dB)	PSNEXT (dB)
	20	2.2	74.3	72.3
4	23	4.1	65.2	63.2
10	25	6.5	59.3	57.3
16	25	8.2	56.2	54.2
20	25	9.3	54.7	52.7
31.25	23.6	11.5	51.8	49.8
62.5	21.5	16.2	47.3	45.3
100	20.1	20.4	44.3	42.3
200	18	29.2	39.7	37.7
250	17.3	33.8	38.3	36.3
300	16.8	34.3	37.1	35.1
350	16.3	37.4	36.2	34.2
400	15.9	40.1	35.3	33.3
450	15.6	42.9	34.7	32.6
500	15.2	45.3	33.8	31.8
550	15	48.8	33.1	31.1

MECHANICAL CHARACTERISTICS		ELECTRICAL CHARACTERISTICS	
Insulation	Insulation hot shrink (100±2°C,1h); Shrink value: '5 ⁰ /0	Impedance	1-350 MHz 100±15 Ohms
	Insulation cold bend (-20±2 ⁰ C, core axis diameter: 6mm) No crack	Overall Temp. Rating	75 ⁰ c
Jacket	Before aging: Tensile Strength: È13.8MPa; Elongation: è100 ⁰ /0 After aging (100±2°C,168h) Tensile Strength and Elongation: 80 ⁰ /0 of unaged Cold bend (-20±2 ⁰ C, core axis diameter: 8 times of outer diameter) NO crack	DC Resistance Unbalance	Max. 2.5%
		DC Resistance 20 ⁰ C	124 Ohms Km
		Pair-to-Ground Capacitance Unbalance	330 F 100M
		Insulation Resistance	
		Dielectric Strength	DC 2500V 2s