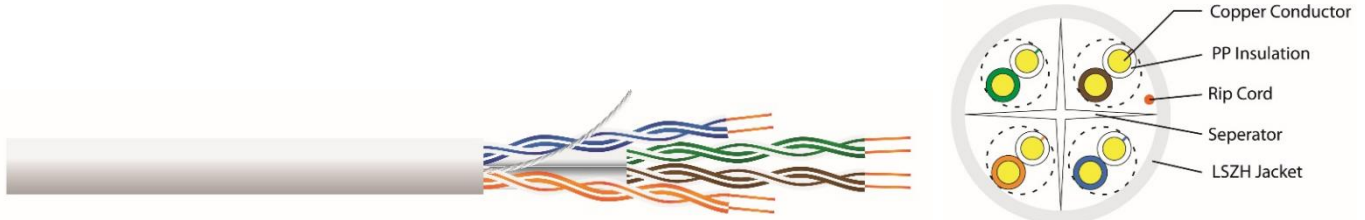




PRODUCT CODE: MSEC C64P LSZH WHITE

CAT6 4 Pair UTP 23AWG, LSZH, Network Cable

ISO/IEC11801,TIA/EIA568B,YD/T1019-2001



APPLICATION	High Speed Data / Communication Network 100Base-TX, 100Base-T, 100VG-AnyLAN, 1000Base-T (Gigabit Ethernet), 1000Base-TX, ATM
CONDUCTOR	Solid Bare Copper 23AWG $\phi = 0.565\text{mm} \pm 0.005$
INSULATION	PP Colour: Pair 1: White / Blue & Blue, Pair 2: White / Orange & Orange, Pair 3: White / Green & Green Pair 4: White / Brown & Brown $\phi = 1.09\text{mm} * 4 \text{ Pair}$
RIP CORD	Yes
OUTER JACKET	LSZH (RoHS Compliant) Colour: White Thickness: $0.55 \pm 0.05 \text{ mm}$
NOMINAL O.D (mm)	$\phi = 6.1\text{mm} \pm 0.3\text{mm}$
CABLE MARKING	MASER C64P-ISO/IEC ANSI/TIA-568-C 2 c(ETL)US 4005889 CM COMMUNICATIONS CABLE 23AWG 60DEG C CAT6x4P LSZH dd/mm/yyyy xxxM

ELECTRICAL CHARACTERISTICS (20°C)

1.0-250.0MHz Characteristic impedance (Ω) 100 15	1.0-250.0MHz Delay Shew 20°C (ns/100m) 45
DC resistance 20°C ($\Omega/100\text{m}$) Max. 7.1	DC Conductor Resistance Unbalanced (%) Max 2.5

Freq. (MHz)	RL $\geq \text{dB}$	ATT(20°C) $\leq \text{dB}$	NEXT $\geq \text{dB}$	PHASE DELAY $\leq \text{ns}$	PSNEXT $\geq \text{dB}$	ELFEEXT $\geq \text{dB}$	PSELFEXT $\geq \text{dB}$
1	20.0	2.03	74.3	570.00	72.3	67.8	64.8
4.0	23.0	3.78	65.3	552.0	63.3	55.8	52.8
8.0	24.5	5.32	60.8	546.73	58.8	49.7	46.7
10.0	25.0	5.95	59.3	545.38	57.3	47.8	44.8
16.0	25.0	7.55	56.2	543.00	54.2	43.8	40.7
20.0	25.0	8.47	54.8	542.05	52.8	41.8	38.8
25.0	24.3	9.51	53.2	541.20	41.3	39.8	36.8
31.25	23.6	10.67	51.9	540.44	49.9	37.9	34.9
62.5	21.5	15.38	47.7	538.55	45.4	31.9	28.9
100	20.1	19.8	44.3	537.60	42.3	27.8	24.8
200	18.0	28.98	39.8	536.54	37.8	21.8	18.8
250	17.3	32.85	38.3	536.27	36.3	19.8	16.8

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