

PRODUCT CODE: MSEC C64P VIOLET

CAT6 4 Pair UTP 23AWG, 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 Ø = 0.565mm±0.005
INSULATION	HDPE Colour: Pair 1: White / Blue & Blue, Pair 2: White / Orange & Orange, Pair 3: White / Green & Green Pair 4: White / Brown & Brown Ø = 1.09mm*4 Pair
RIP CORD	Yes
OUTER JACKET	PVC (RoHS Compliant) Colour: Violet Thickness: 0.55±0.05 mm
NOMINAL O.D (mm)	Ø = 6.1mm±0.3mm
CABLE MARKING	MASER C64P-ISO/IEC ANSI/TIA-568-C 2 c(ETL)US 4005889 CM COMMUNICATIONS CABLE 23AWG 60DEG C CAT6x4P 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 (Ω/100m) Max. 7.1	DC Conductor Resistance Unbalanced (%) Max 2.5

Freq. (MHz)	RL ≥dB	ATT(20°C) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns	PSNEXT ≥dB	ELFEEXT ≥dB	PSELFEXT ≥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

Disclaimer: Although Maser Communications NZ Limited makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice. Maser provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Maser be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Maser has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.