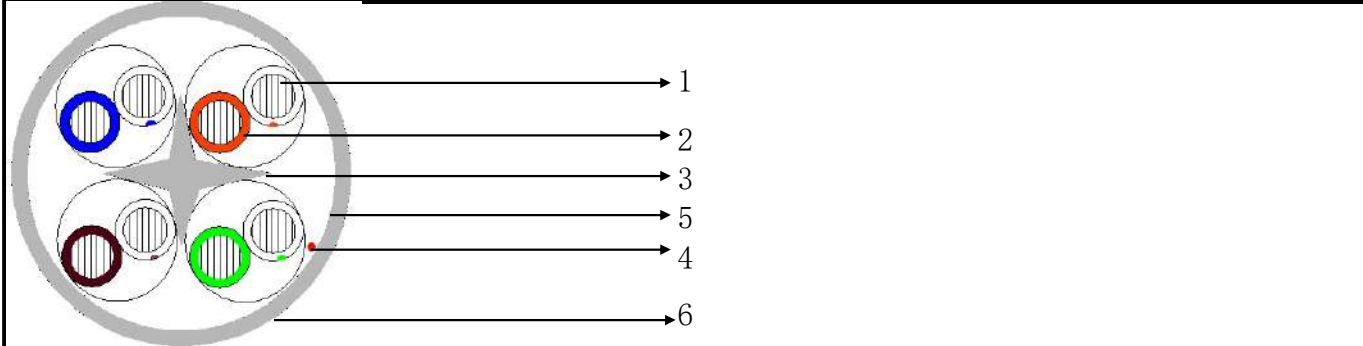


REF: MSCAT6UTP305BC(100%)-Bare Copper **TECHNICAL DATA SHEET**

100 Ω UTP 4pairs cable category6 - 250MHz - PVC/LSZH sheath



CABLE DESCRIPTION

1-CONDUCTOR	PARAMETER	UNIT	VALUE
TYPE:SOLID-Bare copper DIAMETER:0.56mm±0.008mm AWG:23	Max.linear tesistance.	Ω /km	≤186.5
2-INSULATION	Mutual capacity(nom.)	pF/m	52
TYPE:PE solid DIAMETER:0.98mm±0.01mm	Unbalance capacity max (p/p at 1 KHz)	pF/km	1500
3-Filler	Characteristic impedance (1 at 250 MHz)	Ω	100±15
HDPE 5.0*5.0mm	VELOCITY OF PROPAGATION (f>1MHz)	%of c	72
4-RIP CORD	Marking		
YES	4Pair UTP Cat.6 23AWG CABLE metric markings		
5-OUTER JACKET			
TYPE:PVC/LSZH CM/CMR THICKNESS:0.4mm EXTERNAL DIAMETER: 6.5mm±0.5mm			

ELECTRICAL CHARACTERISTICS

Frequency (MHz)	Return loss(dB)	Attenuatin (dB/100m)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)
1	20.0	2.00	74.3	72.3	67.8	64.8
4	23.0	3.80	65.3	63.3	55.8	52.8
10	25.0	5.30	59.3	57.3	47.8	44.8
20	25.0	8.50	54.8	52.8	41.8	38.8
62.5	21.5	15.40	47.4	45.4	42.0	29.1
100	20.1	19.80	44.3	42.3	27.8	25.0
150	18.9	24.70	41.7	39.7	24.3	21.3
200	18.0	29.00	39.8	37.8	21.8	19.0
250	17.3	32.80	38.3	36.3	20.4	17.0

OTHER CHARACTERISTICS

MINIMUM BENDING RADIUS:10×Diameter
 WEIGHT:37.2kg/km
 FIRE BEHAVIOUR:IEC 332-1
 PACKING:305m BOX