

iCAT-ITS® Category 6 Polyethylene Jacket



PART NUMBER: CBL-C6-400-CMR-BU-WH

CATEGORY: Category 6 U/UTP Cable, 4 Pair Count, Non-Plenum, 1000 Feet (400 MHz)

TEST STANDARD: ANSI/TIA/EIA 568C.2 Category 6

APPLICATIONS

Supports all category 6 applications including Ethernet 100BASE-TX, 100BASE-VG and 155 ATM. Particularly suited for high bandwidth applications such as 622 ATM, Wideband, Ethernet 1000BASE-T and emerging applications with anticipated data rates to 3.2 Gbps.

CONSTRUCTION DETAILS

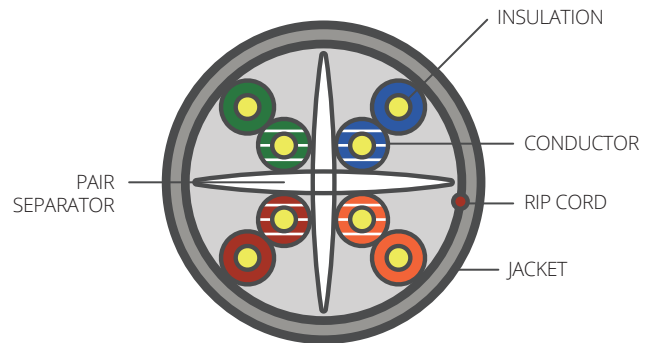
No. 23 AWG solid bare copper conductor insulated with polyethylene. Two colored mated insulated conductors twisted together to form a pair and four pairs assembled to form a core. The core has a polyethylene jacket.

COLOR CODE

Color Code:	1) Blue with White
	2) Orange with White
	3) Green with White
	4) Brown with White

ELECTRICAL PARAMETERS

Mutual Capacitance:	14 pF/ft nominal
Capacitance Unbalance:	330 pF/100m maximum
Velocity of Propagation:	70%
Max. Conductor D.C.R.:	28.6 ohm/1000 feet
Max. DCR Unbalance:	5%



Max. Delay Skew:	45.0 ns/100m
Characteristic Impedance:	from 0.772 - 100 MHz 100 ± 15% from 101 - 250 MHz 100 ± 22%

TECHNICAL DETAILS

Temperature Rating:	Installation: 0°C to 50°C Operation: -10°C to -60°C
Nominal Diameter:	0.240 in.
Nominal Cable Weight:	34 lbs/1000 feet

CODES & LISTINGS

Non Listed

ELECTRICAL CHARACTERISTICS

Frequency (MHZ)	Return Loss (db/100m) Min	Attenuation (db/100m) Max	NEXT (db/100m) Min	PS-NEXT (db/100m) Min	ELFEXT (db/100m) Min	PS-ELFEXT (db/100m) Min	ACR (db/100m) Min	PS-ACR (db/100m) Min
1	20.0	2.0	80.3	78.3	73.8	70.8	78.3	76.3
4	23.0	3.8	71.3	69.3	61.8	58.8	67.5	65.5
10	25.0	6.0	65.3	63.3	53.8	50.8	59.3	57.3
16	25.0	7.6	62.2	60.2	49.7	46.7	54.6	52.6
20	25.0	8.5	60.8	58.8	47.8	44.8	52.3	50.3
31.25	23.6	10.7	57.9	55.9	43.9	40.9	47.2	45.2
62.5	21.5	15.4	53.4	51.4	37.9	34.9	38.0	36.0
100	20.1	19.8	50.3	48.3	33.8	30.8	30.5	28.5
200	18.0	29.0	45.8	43.8	27.8	24.8	16.8	14.9
250	17.3	32.8	44.3	42.3	25.8	22.8	11.5	9.5

