

HIVISION

CAT6 BC/CCA CABLES

100Y / 300Y

Product Description

- Precision CAT6 Electrical Characteristics
- 23AWG Solid or Stranded Bare Copper Conductor with Rip Cord
- CCA conductor is available, which is economical type.
- 250MHz Bandwidth · UL Rated for Permanent Installation
- Meets or Exceeds TIA/EIA-568-B.2 Standards
- LSZH is used for fireproof. PE is for outdoor used (Waterproof), Double jacket is available.
- Available in 1000FT(305M) Standard Box

Features

Flame Rating:

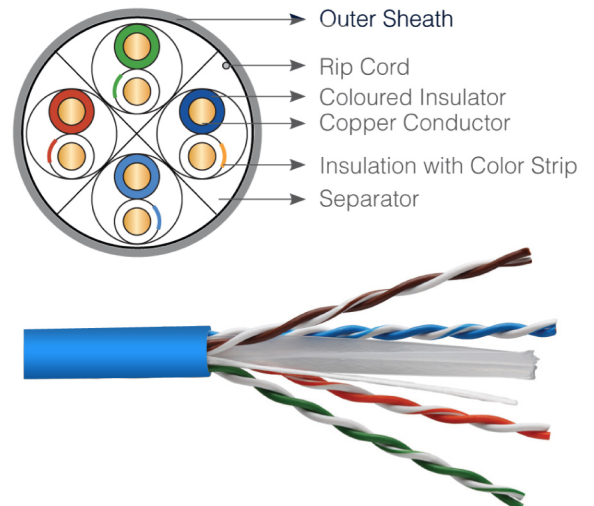
PVC-CM/CMR/CMX

LSZH-IEC 60332-1; IEC 60754 1&2; IEC 61034-2

Specified and tested upto 250MHz or higher if required

Compliant to ANSI/TIA 568-C.2 Cat6, ISO/IEC 11801

Class E



Product Application

Part No.	Specification	Cond.	Type	Outer Dia.
600201	UTP Cat 6,23/4P Solid	23#BC	CMR PVC	0.240"(6.1mm)
600203	UTP Cat 6,23/4P Solid	23#BC	LSZH	0.240"(6.1mm)
600205	UTP Cat 6,23/4P Solid Outdoor waterproof	23#BC	PE	0.240"(6.1mm)

Colour Code

Pair	Specifications
1	Blue - White Blue
2	Orange - White Orange
3	Green - White Green
4	Brown - White Brown



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Transmission/Characteristics - 100m

Frequency (Mhz)	Insertion loss (dB/100m)	RL (dB)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)	ACR (dB)
1	2.0	20.0	74.3	72.3	67.8	64.8	72.3
4	3.8	23.0	65.3	63.3	55.8	52.8	61.5
8	5.3	24.5	60.8	58.8	49.7	46.7	55.5
10	6.0	25.0	59.3	57.3	47.8	44.8	53.3
16	7.6	25.0	56.2	54.2	43.7	40.7	48.6
20	8.5	25.0	54.8	52.8	41.8	38.8	46.3
25	9.5	24.3	53.3	51.3	39.8	36.8	43.8
31.25	10.7	23.6	51.9	49.9	37.9	34.9	41.2
62.5	15.4	21.5	47.4	45.4	31.9	28.9	32.0
100	19.8	20.1	44.3	42.3	27.8	24.8	24.5
200	29.0	18.0	39.8	37.8	21.8	18.8	10.8
250	32.8	17.3	38.3	36.3	19.8	16.8	5.5

Electrical Properties@20deg C

Characteristics	Specifications
Characteristic Impedance Specifications	100+/- 15 Ohms
Conductor Resistance	Max < 9.38 Ohms/100m
Conductor Resistance Unbalance	Max 5%
Mutual Capacitance	5 6nF/100m
Delay Skew	Max 45 ns/100m
Propogation Delay	< 536 ns/100m @ 250MHz

Packaging
100Y /300Y - box
100Y /300Y - box

Sterlite P/N	Product Description	Outte Diameter (mm nom.)
SLITE2111	Cat 6 4x2x24 AWG U/UTP, PVC	5.8
SLITE2211	Cat 6 4x2x24 AWG U/UTP, LSZH	5.8
SLITE2101	Cat 6 4x2x23 AWG U/UTP, PVC	6.0
SLITE2201	Cat 6 4x2x23 AWG U/UTP, LSZH	6.0



NOTE: Please refer product technical sheet for Reelex Packaging*