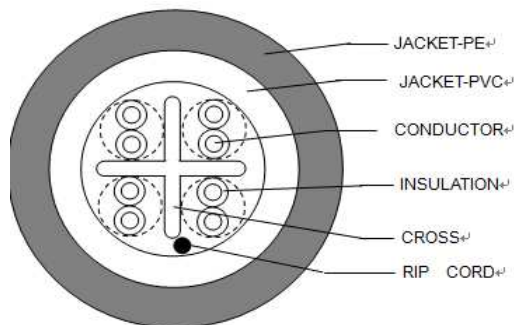


CAT6A U/UTP Outdoor Bulk Cable

- ◆UTP PE+PVC compound Jacket/23AWG
 - ◆Support 500MHz bandwidth
 - ◆Support 10G Ethernet
 - ◆Applied to data centers, servers, switches, wiring racks and other equipment connections
- RoHS, REACH, ISO Certificates

1. Structure



Conductor	AWG	23AWG
	MATERIAL	BC
	SIZE (mm)	1/0.57±0.008
Insulation	THICK (NOM.mm)	0.22
	MATERIAL	HD-PE
	OD (mm)	1.02±0.05
4P	NO.	4P
	MATERIAL	PE
CROSS	SIZE (NOM.mm)	0.30*4.20mm
	Color	1. BLUE*WHITE/BLUE 2. ORANGE*WHITE/ORANGE 3. GREEN*WHITE/GREEN 4. BROWN*WHITE/BROWN
Jacket	THICK (NOM.mm)	0.5
	MATERIAL	LIGHT PVC
	COLOUR	BLACK
	OD (mm)	6.0±0.15
Jacket	THICK (NOM.mm)	0.5
	MATERIAL	LIGHT PE
	COLOUR	BLACK
	OD (mm)	7.0±0.20
Marking		

2. Mechanical characteristic

- ◆Installation temperature: 0-50°C
- ◆Operating temperature: PE-100°C to 100°C
- ◆Min bending radius: 10xOD in Operation, 7xOD after operation
- ◆Compliance with RoHS 2.0 and REACH

3. Electrical Characteristics

- ◆Conductor DC resistance: 20°C ≤95Ω/km
- ◆DC Resistance Unbalance: ≤5%
- ◆Characteristic impedance: 100Ω±15%
- ◆Insulation Resistance: ≥500MΩ.km (IEC 60189-1)
- ◆Transmission performance:: Cat 6A TIA Perm. LinkTest in 70m

Frequency (MHz)	IL dB	NEXT dB	RL dB	ACR-N dB	ACR-F dB	PS NEXT dB	PS ACR-N dB	PS ACR-F dB
1	3	65	19	62	63.3	62	59	60.3
4	4.2	63	19	58.9	51.2	60.5	56.4	48.2
8	5.8	58.2	19	52.4	45.2	55.6	49.8	42.2
10	6.5	56.6	19	50.1	43.3	54	47.5	40.3
16	8.2	53.2	18	45	39.2	50.6	42.4	36.2
20	9.2	51.6	17.5	42.5	37.2	49	39.8	34.2
25	10.2	50	17	39.8	35.3	47.3	37.1	32.3
31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4
62.5	16.4	43.4	14	27	27.3	40.6	24.2	24.3
100	20.9	39.9	12	19	23.3	37.1	16.2	20.3
200	30.1	34.8	9	4.7	17.2	31.9	1.8	14.2
250	33.9	33.1	8	-0.8	15.3	30.2	-3.7	12.3
350	40.6	30.3	6.6	-10.3	12.4	27.3	-13.3	9.4
450	46.5	27.3	6	-19.2	10.2	24.4	-22.1	7.2
500	49.3	26.1	6	-23.2	9.3	23.2	-26.1	6.3

4. Packaging method

- ◆Packaging length: 305m/ reel
- ◆Packaging method: Wooden reel

DIREKTRONIK

Direktronik AB tel. 08-52 400 700 www.direktronik.se