



NY Branch
 217 Knickerbocker Ave.
 Bohemia, NY 11716
 Tel: 631-392-1701
 Fax: 631-392-1702
 www.sdicables.com

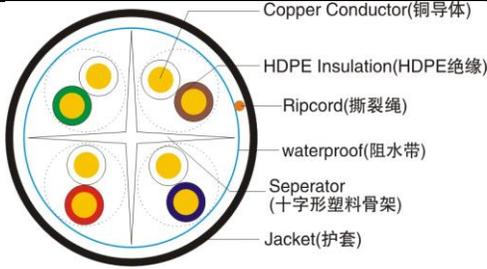
CA Branch
 4225 Remington Ave.
 Temecula, CA 92590
 Tel: 951-394-8694
 Fax: 631-392-1702

Cat6 Outdoor Direct Burial

Part No: C6CU1000DBWT

CAT6-UTP-0.55 direct burial (waterproof) TECHNICAL DATA SHEET

100 Ω CAT6 UTP 4pairs cable category6 - 550MHz - PE sheath



CABLE DESCRIPTION

1-CONDUCTOR	PARAMETER	UNIT	VALUE
TYPE:SOLID-Bare copper	Max.linear tesistance.	Ω/km	≤80
DIAMETER:0.55mm±0.005mm			
AWG:23	Mutual capacity(nom.)	pF/m	56
2-INSULATION			
TYPE:PE solid	Unbalance capacity max (p/p at 1 KHz)	pF/km	1600
DIAMETER:1.0mm±0.03mm			
3-SYNTHETICAL SEPARTION FOIL:	Characteristic impedance (1 at 100 MHz)	Ω	100±15
polyester			
4-DRAIN WIRE: no	VELOCITY OF PROPAGATION (f>1MHz)	%of c	66
5-SHIELDING: waterproof			
6-RIP CORD	Marking		
YES			
7-OUTER JACKET			
TYPE: PE			
COLOUR:GREY			
THICKNESS: 0.55mm±0.05mm			
EXTERNAL DIAMETER: 6.7mm±0.3mm			

ELECTRICAL CHARACTERISTICS

Frequency (MHz)	Return loss(dB)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)
1	20	2	74	72	68	65
4	23	3.8	65	63	56	53
8	25	5	61	59	50	47
10	25	6	59	57	48	45
16	25	7.6	56	54	44	41
20	25	8.5	55	53	42	39
25	24	10	53	51	40	37
31.25	24	10.7	52	50	38	35
62.5	22	15.4	47	45	32	29
100	20	19.8	44	42	28	25
160	19	26	41	39	24	21
200	18	29	40	38	22	19
250	17	32.8	38	36	20	17
300	16.8	36.4	37.2	35.2	18.2	15.2

350	16.3	39.8	36.2	34.2	16.9	13.9
400	15.9	42.9	35.3	33.3	15.8	12.8
450	15.5	46	34.5	32.5	14.8	11.8
500	15.2	48.9	33.9	31.9	13.8	10.8
550	14.9	51.8	33.2	31.2	13	10

OTHER CHARACTERISTICS

MINIMUM BENDING RADIUS:

WHIGHT: kg/km

FIRE BEHAVIOUR:IEC60332-2

PACKING: