

# U/UTP Category 6

## 350 MHz

### 4 pairs

(indoor/outdoor cable)

**Jetlan6+**

### DESCRIPTION

These cables provide excellent transmission characteristics above the requirement of category 6. (They are used for outdoor application or for outdoor / indoor application (in that case external PE sheath shall be removed)).

### STANDARDS

Transmission: ISO/IEC 11801, EN 50173, IEC61156-5, EN50288-6-1, ANSI/TIA/EIA 568-C2

### CONSTRUCTION

#### Conductor:

24AWG  
solid bare annealed Copper

#### Insulation:

Polyolefin

#### Pairing:

4 pairs with varying lay lengths

#### Inner sheath:

Grey PVC

#### Over sheath:

Black PE

### PACKAGING

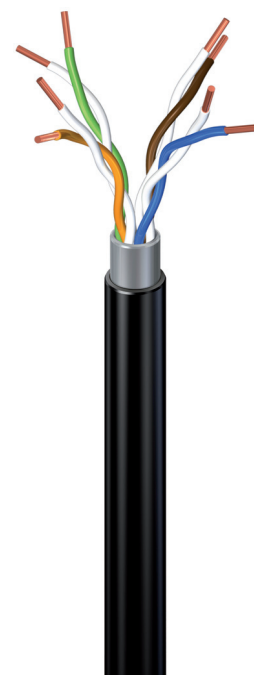
Spools of 500 and 1000 meters

### APPLICATIONS

- Supports full and half duplex operation
- Digital/analogic video
- 16 Mbps Token Ring
- 100 Mbps TP-PMOD
- 100 BASE-T (IEEE 802.3)
- 1000 BASE-T (Gigabit Ethernet)
- 155/622 Mbps ATM
- 1.2 Gbps ATM
- 10G BASE T (length<50 m)

### COLOUR CODES

Pairs	Colour combinations	
1	white-blue	blue
2	white-orange	orange
3	white-green	green
4	white-brown	brown



### SUPPLY INFORMATION

Code	Pairs/AWG	Packaging
53804A1NGP	4/23	Spools 1000 m
53804A1NGPQ	4/23	Spools 500 m

## ELECTRICAL AND PHYSICAL CHARACTERISTICS

### DC Resistance

Ohm/100m at 20°C max. 8.90

### Resistance unbalance

individual pair% max. 2.0

### Mutual Capacitance, nominal

nF/100m at 1kHz 5.20

### Nominal velocity of propagation NVP

% of speed of light 65

### Characteristic impedance (Ohm)

(min-max)

value at 1.0-200 MHz 85-115

Propagation delay (ns at 10 MHz) 518

Delay skew (ns/100m) 40

### Coupling Attenuation dB

30-100 MHz  $\geq 40$

100-1000 MHz  $\geq 40-20\log(f/100)$

External diameter (mm) 7.4

Weight (kg/km) 53

Minimum bending radius (mm) 29.6

Calorific value (MJ/m) Not applicable for outdoor cables

Frequency MHz	Attenuat. Max. dB/100m	NEXT dB (min)	PS-NEXT dB (min)	ELFEXT dB (min)	PS-ELFEXT dB (min)	ACR db/100m (min)	PS-ACR db/100m (min)	Return Loss dB (min)
1	2,0	67	64,0	66,0	64,0	63,9	61,9	20,0
4	3,8	66,3	63,3	58,0	55,0	62,2	59,4	23,1
8	5,4	61,8	58,8	51,9	48,9	56,4	53,4	24,5
10	6,0	60,3	57,3	50,0	47,0	54,3	51,3	25,0
16	7,6	57,2	54,2	45,9	42,9	49,6	46,6	25,0
25	9,6	54,3	51,3	42,0	39,0	44,8	41,8	24,3
31.25	10,8	52,9	49,9	40,1	37,1	42,1	39,1	23,6
62.5	15,5	48,4	45,4	34,1	31,1	32,9	29,9	21,5
100	19,9	45,3	42,3	30,0	27,0	25,4	22,4	20,1
155	25,3	42,4	39,4	26,2	23,2	17,1	14,1	18,8
200	29,2	40,8	37,8	24,0	21,0	11,6	8,6	18,0
250	33,0	39,3	36,3	22,0	19,0	6,3	3,3	17,3
350	36,6	38,1	35,1	20,5	17,5	1,5	1,0	16,8