

■ UTP - FTP - SFTP Cat 6 Cable



APPLICATION

BENKA datacom (LAN) twisted pair cable is designed for high bandwidth application up to 1 Gigabit Ethernet. Guaranteed performance to 250 MHz, tested up to 350 MHz. Suitable for basic voice and data. To ISO/IEC 11801 and EN 50173, the cable length should not exceed 100 meters. Black color jacket is for outdoor use.

STANDARD

International ISO/IEC 11801, ANSI/TIA-568-C.2

BENKA UTP CAT 6 ANSI/TIA-568-C.2 4x2x23 AWG



Cable Description		BENKA UTP CAT 6 4x2x23 AWG	BENKA FTP CAT 6 4x2x23 AWG	BENKA SFTP CAT 6 4x2x23 AWG
Part No.	PVC jacket	313 4223C6	313 4223FC6	313 4223SFC6
	LSZH jacket	621 4223C6	621 4223FC6	621 4223SFC6
Conductor	Diameter (mm)	0.57 ± 0.05	0.57 ± 0.05	0.57 ± 0.05
	Material	Bare copper	Bare copper	Bare copper
	Type	Solid	Solid	Solid
Dielectric (insulation)	Diameter (mm)	1.04 ± 0.05	1.04 ± 0.05	1.04 ± 0.05
	Material	Solid PE	Solid PE	Solid PE
Screen	Material	PE separator	PE separator + aluminium foil + tinned copper drain wire	PE separator + aluminium foil + tinned copper drain wire + tinned copper braid
Outer sheath	Color	Grey/Blue/Orange	Grey/Blue/Orange	Grey/Blue/Orange
	Diameter (mm)	6.3 ± 0.01	6.6 ± 0.01	7.0 ± 0.01
	Material	PVC/LSZH	PVC/LSZH	PVC/LSZH
Color		Pair 1: Blue, White/Blue Pair 2: Orange, White/Orange Pair 3: Green, White/Green Pair 4: Brown, White/Brown	Pair 1: Blue, White/Blue Pair 2: Orange, White/Orange Pair 3: Green, White/Green Pair 4: Brown, White/Brown	Pair 1: Blue, White/Blue Pair 2: Orange, White/Orange Pair 3: Green, White/Green Pair 4: Brown, White/Brown
Attenuation (100MHz dB/100m)	≤ 19.8	≤ 19.8	≤ 19.8	
NEXT (100MHz dB/100m)	≥ 44.3	≥ 44.3	≥ 44.3	
ELFEXT (100MHz dB/100m)	≥ 27.8	≥ 27.8	≥ 27.8	
RL (100MHz dB/100m)	≥ 20.1	≥ 20.1	≥ 20.1	
Impedance (Ω)	100	100	100	
Rated temperature	-20°C to +75°C	-20°C to +75°C	-20°C to +75°C	
Smoke density		IEC 61034-2 (LSZH sheath)		
Halogen free		IEC 60754-1 (LSZH sheath)		
Flame retardant		IEC 60332-1		
Standard & Approval		RoHS, SIRIM, ANSI, UL		