



■ UTP - FTP - SFTP Cat 5E Cable



APPLICATION

BENKA datacom (LAN) twisted pair cable is designed for high bandwidth application up to 1 Gigabit Ethernet. Guaranteed performance to 100 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 5E ANSI/TIA-568-C.2 4x2x24 AWG



Cable Description		BENKA UTP CAT 5E 4x2x24 AWG	BENKA FTP CAT 5E 4x2x24 AWG	BENKA SFTP CAT 5E 4x2x24 AWG
Part No.	PVC jacket	313 4224C5E	313 4224FC5E	313 4224SFC5E
	LSZH jacket	621 4224C5E	621 4224FC5E	621 4224SFC5E
Conductor	Diameter (mm)	0.51 ± 0.05	0.51 ± 0.05	0.51 ± 0.05
	Material	Bare copper	Bare copper	Bare copper
	Type	Solid	Solid	Solid
Dielectric (insulation)	Diameter (mm)	0.93 ± 0.05	0.93 ± 0.05	0.93 ± 0.05
	Material	Solid PE	Solid PE	Solid PE
Screen	Material	-	Aluminium foil + tinned copper drain wire	Aluminium foil + tinned copper drain wire + tinned copper braid
Outer sheath	Color	Grey/Blue/Orange	Grey/Blue/Orange	Grey/Blue/Orange
	Diameter (mm)	5.1 ± 0.01	5.5 ± 0.01	6.0 ± 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)	≤ 22	≤ 22	≤ 22	
NEXT (100MHz dB/100m)	≥ 35.3	≥ 35.3	≥ 35.3	
ELFEXT (100MHz dB/100m)	≥ 23.8	≥ 23.8	≥ 23.8	
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		