

UTP Cat 3 Cable

Product Code: Cat 3

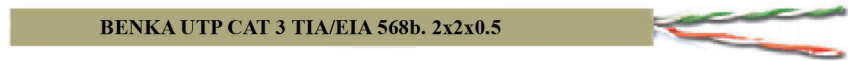


■ APPLICATION

BENKA DATACOM (LAN) Twisted Pair Cable is designed for telephone and data transmission. Twisted core pair lengths cause minimum coupling values. Black color jacket for outdoor use.

STANDARD

International ISO/IEC 11801
 National TIA/EIA
 TIA/EIA 568.2



Cable Description		BENKA UTP CAT 3 2x2x0.5
Part No.		313 2205C3
Conductor	Diameter (mm)	0.50±0.01
	Material	Bare Copper
	Type	Solid
Dielectric(Insulation)	Diameter (mm)	0.91±0.01
	Material	Solid PE
Shielding	Material	-
	Coverage	-
Jacket(sheath)	Diameter (mm)	4.2±0.2
	Material	Flame retardant PVC
Color		Pair 1 : Blue,White Pair 2 : Orange,White
Number of Pair		2pairs
Conductor Resistance (ohms/km)		≤95
Insulation resistance (Gohms/km)		≥10
Mutual capacitance (nF/km)		50±2
Impedance (ohms)		100±15
Operating Temperature Range(oC)		-20 to 75
Weight (kg/km)		20
Flame Retardant to IEC 60332-1		Yes
Standard & Approval		ROHS
Package		305M/Roll

UTP-FTP-SFTP Cat 5E Cable

Product Code: Cat 5E



■ 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.

Twisted core pair lengths cause minimum coupling values.

Black color jacket for outdoor use.

STANDARD

International ISO/IEC 11801

National TIA/EIA

TIA/EIA 568B.2

BENKA UTP CAT 5E TIA/EIA 568b. 4x2x24AWG



Cable Description		BENKA UTP CAT 5E 4x2x24 AWG	BENKA FTP CAT 5E 4x2x24 AWG	BENKA SFTP CAT 5E 4x2x24 AWG
Part No.		313 4224C5E	313 4224FC5E	313 4224SFC5E
Conductor	Diameter (mm)	0.51±0.01	0.51±0.01	0.51±0.01
	Material	Bare Copper	Bare copper	Bare copper
	Type	Solid	Solid	Solid
Dielectric (Insulation)	Diameter (mm)	0.91±0.01	0.93±0.01	1.05±0.01
	Material	Solid PE	Solid PE	Solid PE
Shielding	Material	-	Aluminium foil Tinne copper drain wire	Aluminium foil Tinne copper drain wire Tinned Copper Braid
	Coverage	-	100%	100% / 80%
Jacket(sheath)	Diameter (mm)	5.1±0.01	5.5±0.01	6.0±0.01
	Material	Flame retardant PVC	Flame retardant PVC	Flame retardant PVC
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
Number of Pair		4 Pairs	4 Pairs	4 Pairs
Weight (kg/km)		30	35	55
Attenuation(10MHz dB/100m)		6.5	6.5	6.5
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 (Ohms)		100	100	100
Operating Temperature Range (oC)		- 20 to 75	- 20 to 75	- 20 to 75
Flammability grade		CMX,CM	CMX,CM	CMX,CM
Application		Horizontal wiring, suitable for application up to 1 Gigabit Ethernet		
Flame Retardant to IEC 60332-1		Yes	Yes	Yes
Standard & Approval		ROHS	ROHS	ROHS
Package		305M/Roll	305M/Roll	305M/Roll

UTP-FTP-SFTP Cat 6 Cable

Product Code: Cat 6



■ APPLICATION

BENKA DATACOM (LAN) Twisted Pair Cable is designed for high bandwidth application up to 10 Gigabit Ethernet.

Guaranteed performance to 250 MHz, tested up to 350 MHz.

Suitable for basic voice and data.

Twisted core pair lengths cause minimum coupling values.

Black color jacket for outdoor use.

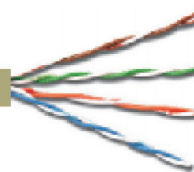
STANDARD

International ISO/IEC 11801

National TIA/EIA

TIA/EIA 568B.2-1

BENKA UTP CAT 6 TIA/EIA 568b. 4x2x23AWG



Cable Description		BENKA UTP CAT 6 4x2x23 AWG	BENKA FTP CAT 6 4x2x23 AWG	BENKA SFTP CAT 6 4x2x23 AWG
Part No.		313 4223C6	313 4223FC6	313 4223SFC6
Conductor	Diameter (mm)	0.574±0.01	0.574±0.01	0.574±0.01
	Material	Bare copper	Bare copper	Bare copper
	Type	Solid	Solid	Solid
Dielectric (Insulation)	Diameter (mm)	1.04±0.01	1.04±0.01	1.04±0.01
	Material	Solid PE	Solid PE	Solid PE
Shielding	Material	PE Separator	PE Separator + Aluminium foil Tinned copper drain wire	PE Separator + Aluminium foil Tinned copper drain wire+ Tinned Copper Braid
	Coverage	-	100%	100% / 80%
Jacket(sheath)	Diameter (mm)	6.3±0.01	6.6±0.01	7.0±0.01
	Material	Flame retardant PVC	Flame retardant PVC	Flame retardant PVC
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
Number of Pair		4 Pairs	4 Pairs	4 Pairs
Weight (kg/km)		40	45	75
Attenuation(10MHz dB/100m)		5.6	5.6	5.6
NEXT (100MHz dB/100m)		≥38.3	≥38.3	≥38.3
ELFEXT (100MHz dB/100m)		≥19.8	≥19.8	≥19.8
RL (100MHz dB/100m)		≥17.3	≥17.3	≥17.3
Impedance (Ohms)		100	100	100
Operating Temperature Range (oC)		-20 to 75	-20 to 75	-20 to 75
Flammability grade		CMX,CM	CMX,CM	CMX,CM
Application		Horizontal wiring, suitable for application up to 10 Gigabit Ethernet		
Flame Retardant to IEC 60332-1		Yes	Yes	Yes
Standard & Approval		ROHS	ROHS	ROHS
Package		305M/Roll	305M/Roll	305M/Roll