



Features

- Construction: U/UTP
- Conductor: 23 AWG, Solid-Bare Copper
- Standard: ISO/IEC11801, TIA-568-C.2
- ISO9001 Certified Manufacturing Plant

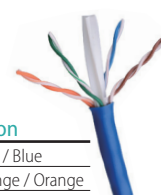
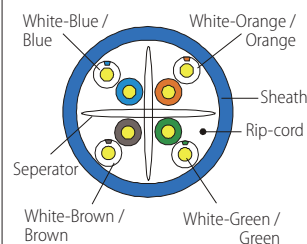


Specifications

Model		C6USG	C6USG_LSZH
Construction		U/UTP	U/UTP
Conductor	Material	Solid-Bare Copper	Solid-Bare Copper
	Nom.O.D.	0.550 ± 0.005 mm	0.550 ± 0.005 mm
Insulation	Material & Diameter	HDPE (0.98 ± 0.05 mm)	HDPE (0.98 ± 0.05 mm)
Sheath	Thickness	0.55 ± 0.05 mm	0.55 ± 0.05 mm
	External O.D.	6.1 ± 0.4 mm	6.1 ± 0.4 mm
	Material	PVC (Complies RoHS)	LSZH (Complies RoHS)
Rip-cord		Yes	Yes
Physical Properties (Before Aging)	Tensile Strength	≥ 13.5 Mpa	≥ 10 Mpa
	Elongation	≥ 150 %	≥ 125 %
	Aging Period	100 °C x 24h x 7d	100 °C x 24h x 7d
Physical Properties (After Aging)	Tensile Strength	≥ 12.5 Mpa	≥ 8 Mpa
	Elongation	≥ 125 %	≥ 100 %
	Cold Bend	- 20 ± 2 °C x 4h, 8 x Cable O.D., No visible cracks	- 20 ± 2 °C x 4h, 8 x Cable O.D., No visible cracks
Electrical Characteristics (20°C)	Impedance	1.0-250.0MHz: 100 Ω ± 15 Ω	1.0-250.0MHz: 100 Ω ± 15 Ω
	Delay Skew	1.0-250.0MHz: ≤ 45 ns / 100 m	1.0-250.0MHz: ≤ 45 ns / 100m
	DC Resistance	Max. 9.38 Ω / 100 m	Max. 9.5 Ω / 100 m
	DC Conductor Resistance Unbalance	Max. 5.0 %	Max. 5.0 %
Length		100 Yards / 305 M	305 M

Construction (UTP)

4 Twisted Pair Cable



Pair Identification

Pair 1	White-Blue / Blue
Pair 2	White-Orange / Orange
Pair 3	White-Green / Green
Pair 4	White-Brown / Brown

	Frequency (MHz)	Return Loss (≥dB)	Attenuation (≤dB)	NEXT (≥dB)	PHASE DELAY (≤ns)	PSNEXT (≥dB)	ELFEXT (≥dB)	PSELFEXT (≥dB)
Electric Performance	1	20.0	2.03	74.3	570.00	72.3	67.8	64.8
	4	23.0	3.78	65.3	552.00	63.3	55.8	52.8
	8	24.5	5.32	60.8	546.73	58.8	49.7	46.7
	10	25.0	5.95	59.3	545.38	57.3	47.8	44.8
	16	25.0	7.55	56.2	543.00	54.2	43.7	40.7
	20	25.0	8.47	54.8	542.05	52.8	41.8	38.8
	25	24.3	9.51	53.3	541.20	51.3	39.8	36.8
	31.25	23.6	10.67	51.9	540.44	49.9	37.9	34.9
	62.5	21.5	15.38	47.7	538.55	45.4	31.9	28.9
	100	20.1	19.80	44.3	537.60	42.3	27.8	24.8
	200	18.0	28.98	39.8	536.54	37.8	21.8	18.8
	250	17.3	32.85	38.3	536.27	36.6	19.8	16.8

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.