Features

- **Conductor: 23 AWG, solid copper wires**
- **Standard:**
  ISO/IEC 11801, TIA-568-C.2, YD/T1019, ISO/IEC 11801, ANSI/TIA- 568-C2, UL444
- **Application :**
  Data communications, Local area networks, Building signaling systems
- **ISO9001Certified Manufacturing Plant**

Cat6 U/UTP Armored Cable

C6USG_A

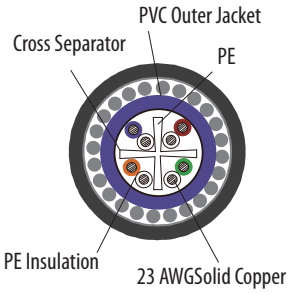
Specifications

Gerneral

General	Operating Temperature Range	-20°C ~ 50°C
	Maximum pulling Tension	70N
	Minimum bending Radius	4D mm
	Nominal Mutual Capacitance @1KHz	5.1 nF /100m
	Maximum Capacitance Unbalance	330 pF /100m
	Maximum Delay @1KHz	570 ns /100m
	Maximum Delay Skew	45 ns /100m
	Maximum Conductor DC Resistance @20°C	9.38 Ω /100m
	Maximum DCR Unbalance @20°C	5%
	Maximum Operating Voltage(VRMS)	≤ 80V
	Characteristics Impedance	100 Ω
	Armoured	SWA 90% Coverage / Nom. O.D ~6.6mm
	Physical Properties - Insulation Before Aging	Elongation≥300% / Tensile Strength≥16.5N/mm
	Physical Properties - Sheath Before Aging	Elongation≥100% / Tensile Strength≥8N/mm

Construction

4 Twisted Pair Cable

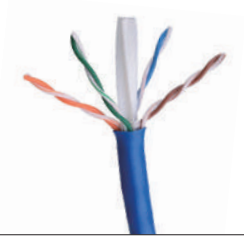


Specification

	Frequency MHz	Attenuation (dB/100m)	NEXT (dB)	Return Loss (dB)	ACR (dB)	Power Sum NEXT (dB)	Power Sum ELFEXT (dB/100m)	Power Sum ACR (dB)
Electric Performance	1	2.0	74.3	20.0	72.3	72.3	63.8	70.3
	4	3.8	65.3	23.0	61.5	63.3	51.8	59.5
	8	5.3	60.8	24.5	55.4	58.8	45.7	53.4
	10	6.0	59.3	25.0	53.4	57.3	43.8	51.4
	16	7.6	56.2	25.0	48.7	54.2	39.7	46.7
	20	8.5	54.8	25.0	46.3	52.8	37.8	44.3
	25	9.6	53.3	24.3	43.8	51.3	35.8	41.8
	31.3	10.7	51.9	23.6	41.2	49.9	33.9	39.2
	62.5	15.4	47.4	21.5	32.0	45.4	27.9	30.0
	100	19.8	44.3	20.1	24.5	42.3	23.8	22.5
	155	25.2	41.5	18.8	16.3	39.5	20.0	14.3
	200	29.0	39.8	18.0	10.8	37.8	17.8	8.8
	250	32.9	38.3	17.3	5.5	36.3	15.8	3.5

Pair Identification

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



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

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