

Part No: C6AUUA

Description: The Steel Wire Armored Cat 6A U/UTP cable has been tested to 500MHz. Category 6A UTP cables helps you meet demand for the growing number of IP access points and network security applications exceeding 10 Gigabit Networking (10G) bandwidth. making it the ideal choice for high speed data networks across buildings. It has good behavior of UV and flame resistant. Suitable for direct outdoor or ducts installation.



TESTED TO
500MHz



Construction

Conductor	Solid Bare Copper
AWG	23
Insulation Material	Solid High Density Polyethylene (HDPE)
Number of Pairs	4
Pair Identification	TIA 568
1 st Sheath Material	High Density Polyethylene (HDPE) Or PVC Or LSZH
Armour	Galvanized Steel Wire Helically Armoring
2 nd Sheath Material	PVC-FR or Low Density Polyethylene (LDPE) Or LSZH

Electrical Characteristics

Max. Conductor Resistance @ 20°C	≤ 8.6 Ω/100m
Max. Resistance Unbalanced	≤ 2.0 %
Nominal Impedance	100 ± 15 Ω (1-100MHz), 100 ± 20 Ω (100-250MHz), 100 ± 25 Ω (250-500MHz),
Insulation Resistance	5000MΩ*km
Mutual Capacitance	≤ 5.6nF/100m
Capacitance Unbalanced to Earth	≤ 330 pF/ 100m
NVP	68.5 %
Max. Delay Skew	≤ 45 nS/ 100m
Test Voltage	700V(DC) for 1 min

Physical Characteristics

Overall Diameter	11.5 ± 0.4mm		
Bend Radius	Fixed 8 x OD,	Flexing 10 x OD	
Temperature Rating	Fixed -20°C to 70°C,	Flexing -10°C to 60°C	
Weight	222 kg/km		
Packing	120kg/500m by drum		
Package Dimension	55*55*45cm		

Transmission Performance

Frequency	1	4	10	16	20	31.25	62.5	100	200	250	500	650	MHz
Attenuation	2.00	3.80	5.80	7.4	8.47	10.5	15.0	19.1	28.0	31.1	45.3	51.1	dB
Return Loss	20.0	23.0	25.0	25.0	25.0	23.64	21.54	20.11	18.0	17.32	17.3	8.0	dB
NEXT	74.3	65.3	59.3	56.2	54.8	51.9	47.4	44.3	39.8	38.3	34.8	22.9	dB
PS NEXT	72.3	63.3	57.3	54.2	52.8	49.8	45.4	41.3	37.8	36.3	31.8	19.8	dB
ACRF	67.8	55.8	47.8	43.7	41.8	37.9	31.9	27.8	21.8	19.9	14.0	--	dB
PSACRF	64.8	52.8	44.8	40.7	38.8	34.9	28.9	24.8	18.8	16.9	11.0	--	dB

Standards

RoHS2 Compliance	Yes	Manufactured in accordance to	TIA/EIA 568-C.2, ISO/IEC 11801
CE Compliant	LVD (2014/35/EU)	UV Resistance	Good, ISO 4892-3†
CPR Classification	F _{CA} (EN50575:2014+A1:2016)	Weather Resistance	Good, ISO 4892-3†

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