

Part No: C6UUA
Description: The Steel Wire Armored Cat 6 U/UTP cable has been tested to 250MHz making it the ideal choice for high speed data networks across buildings. It has good behavior for UV-resistant. Suitable for direct outdoor or ducts installation.



TESTED TO
250MHz



Construction

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

Electrical Characteristics

Max. Conductor Resistance @ 20°C ≤ 7.5 Ω/100m
 Max. Resistance Unbalanced ≤ 2.5 %
 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 11.2 ± 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 215 kg/km
 Packing 115kg/500m by drum
 Package Dimension 55*55*45cm

Transmission Performance

Frequency	1	4	10	16	20	31.25	62.5	100	200	250	MHz			
Attenuation	2.03	3.86	2.95	7.55	8.47	10.67	15.38	19.8	28.98	32.85		dB		
Return Loss	20.0	23.0	25.0	25.0	25.0	23.64	21.54	20.11	18.0	17.32		dB		
NEXT	74.3	65.3	59.3	56.2	54.8	51.9	47.4	44.3	39.8	38.3		dB		
PS NEXT	72.3	63.3	57.3	54.2	52.8	49.8	45.4	41.3	37.8	36.3		dB		
ACRF	67.8	55.8	47.8	43.7	41.8	37.9	31.9	27.8	21.8	19.9		dB		
PSACRF	64.8	52.8	44.8	40.7	38.8	34.9	28.9	24.8	18.8	16.9		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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