



CATEGORY
**ELECTRICAL
WIRES**

AMMO ITEM #

CAT6 WIRE

Company: _____

Job: _____ #Item: _____

Notes: _____

UTP CAT6



Intertek

APPLICATIONS

- IEEE 802.3:10 Base-T, 100 Base-T4, 1000 Base-X, 100 Base-VG
- 100 Mbps TPDDI, 1000 Base T, 622 Mbps ATM
- High Speed Horizontal Cabling
- Gigabit Ethernet

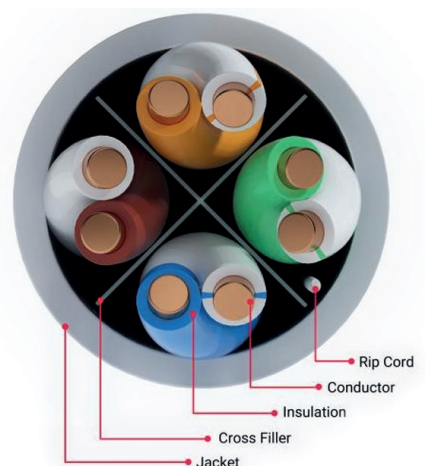
STANDARD COMPLIANCES

- TIA /EIA-568-B.2 -1
- ISO/IEC 11801
- EN50173

CONSTRUCTION CHARACTERISTICS

Conductor	Material	CCA
	AWG	23
	Diameter (±0.00039 in)	0.0220
Insulation	Material	HD-PE
	Average Thickness (in)	0.0087
	Diameter (±0.00039 in)	0.0374
	Min.Point Thickness (in)	0.0075
Jacket	Material	PVC-CMR RATED
	Outer Diameter (±0.0079 in)	0.236
	Min Thickness (±0.00039 in)	0.0217
	AVG.Thickness (in)	0.0236
	Rip Cord	Nylon

CROSS SECTION



PHYSICAL & ELECTRICAL PROPERTIES

- Impedance (ohms): _____ 100 ± 15
- Rated Temperature °F: _____ 167
- Delay Skew (ns/1000 ft): _____ ≤137
- DC Resistance 68 °F: _____ 22
- Insulation Resistance: _____ >16404.2 MΩ*1000 ft
- Dielectric Strength: _____ DC 2500 V 2S
- Pair-to-Ground Capacitance Unbalance (pF/1000 ft): _____ ≤1006
- Max. Conductor DC Resistance 68 °F (ohms/ft): _____ 28.96/1000
- Resistance Unbalance (%): _____ ≤5

AMMO#	COLOR	WEIGHT (lb)	PKG (ft)	UPC
CAT6-CCA-B	Blue	40.79	1000 / box	840526231744
CAT6-CCA-W	White	40.79	1000 / box	840526231751
CAT6-CCA-GN	Green	40.79	1000 / box	840526231768
CAT6-CCA-GY	Gray	40.79	1000 / box	840526231775
CAT6-CCA-R	Red	40.79	1000 / box	840526231782
CAT6-CCA-Y	Yellow	40.79	1000 / box	840526231799

ELECTRICAL WIRES



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MECHANICAL CHARACTERISTICS

- Test Object: _____ Jacket
- Test Material: _____ PVC
 - Before Tensile Strength (psi): _____ ≥ 2001.5
 - Aging Elongation (%): _____ ≥ 100
- Aging Condition ($^{\circ}\text{F} \times \text{hrs}$): _____ 212×168
 - After Tensile Strength (Mpa): _____ $\geq 85\%$ of unaged
 - Aging Elongation (%): _____ $\geq 50\%$ of unaged

- Cold Bend ($-4 \pm 3.6^{\circ}\text{F} \times 4 \text{ hrs}$): _____ No crack
- Bending Radius: _____ $\geq 4 \times \text{OD}$ (without load)
- Temperature Range: _____ $-40^{\circ}\text{F} \sim 167^{\circ}\text{F}$
 - During operation: _____ $-4^{\circ}\text{F} \sim 167^{\circ}\text{F}$
 - During installation: _____ $32^{\circ}\text{F} \sim 140^{\circ}\text{F}$
- Voltage Rating: _____ 30 V

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