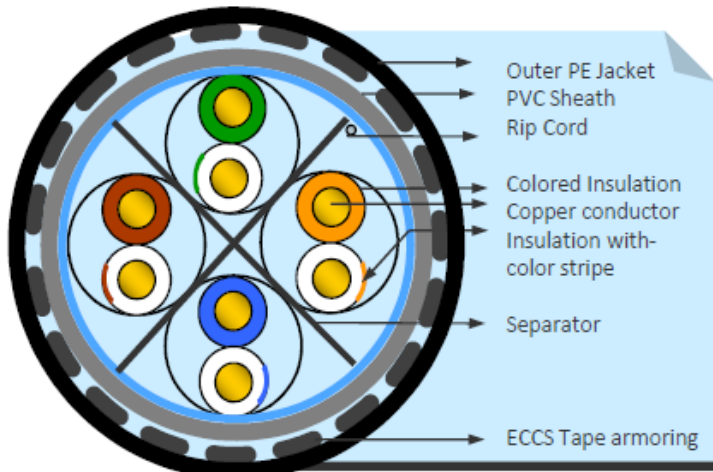


**R196187 Cat6 UTP Installation Cable, 4P, 250 MHz, DJ, ECCS Armored, Anti Rodent, 305 m****Description**

Cat.6, UTP, 23 AWG Double Jacket Electrolytic Chrome-Coated Steel (ECCS) Tape Armored, Anti Rodent Installation cable. Adaptable to harsh environments and artificial damage. This cable will have high tensile resistance, high compressive strength and rodent resistance. Data transmission frequencies of up to 250MHz.

**Technical Data**

Standardisation	ISO/IEC 11801 ed. 2.2; TIA 568-C.2
Cable class	Installation Cable
Category	Cat.6
Conductor	Solid Bare Electrolytic Grade Copper
Number of conductors	8 (4Pairs)
Insulation	Polyethylene
Cable outer jacket material	PE, Black with Anti Rodent (Thickness 1.1 nominal)
Cable inner jacket material	PVC
Armoring	ECCS Tape Armored (Thickness > 0.125mm)
Cable overall diameter	Nominal value $\varnothing 8.4 \pm 0.3$ mm
Conductor diameter	AWG23
Sequential Marking	At Every Meter
Temperature	-20° C to +70° C
Rip cord	Yes
Separators between Pairs	Yes
Color	Black
Length (meter)	305
Pulling Force	490N

**ELECTRICAL PARAMETER**

- CONDUCTOR RESISTANCE (DC):  $\leq 9.38$  OHMS/1000MTR@20°C.
- RESISTANCE UNBALANCE: 5%MAX
- MUTUAL CAPACITANCE:  $\leq 5.6$ nF/100mtrs
- THIS CABLE WELL EXCEEDS THE REQUIREMENT OF TIA CAT6 PERM. LINK (50M)
- CAPACITANCE UNBALANCE PAIR/GROUND: 330PF/100M MAX
- IMPEDANCE:  $100 \pm 15\%$ OHMS
- DELAY SKEW: <45ns
- GENERALLY CONFIRMING TO EIA/TIA 568-C.2 AND IEC/ISO 11801

**TRANSMISSION CHARACTERISTICS PER 50M**

Frequency (MHz)	Insertion Loss Max.(dB)	NEXT (dB) Min.	ACR-N (dB) Min.	RL (dB) Min.	PS NEXT (dB) Min.	PS ACR-N (dB) Min.	ACR-F (dB) Min.	PS ACR-F (dB) Min.
1	1.9	65	62	19.1	62	59	64.2	61.2
4	3.5	64.1	60.6	21	61.8	58.3	52.1	49.1
8	5	59.4	54.4	21	57	52.1	46.1	43.1
10	5.5	57.8	52.3	21	55.5	49.9	44.2	41.2
16	7	54.6	47.6	20	52.2	45.2	40.1	37.1
20	7.9	53.1	45.2	19.5	50.7	42.8	38.2	35.2
25	8.9	51.5	42.7	19	49.1	40.2	36.2	33.2
31.25	10	50	40	18.5	47.5	37.6	34.3	31.3
62.5	14.4	45.1	30.8	16	42.7	28.3	28.3	25.3
100	18.6	41.8	23.3	14	39.3	20.7	24.2	21.2
200	27.4	36.9	9.6	11	34.3	7	18.2	15.2
250	31.1	35.3	4.2	10	32.7	1.6	16.2	13.2