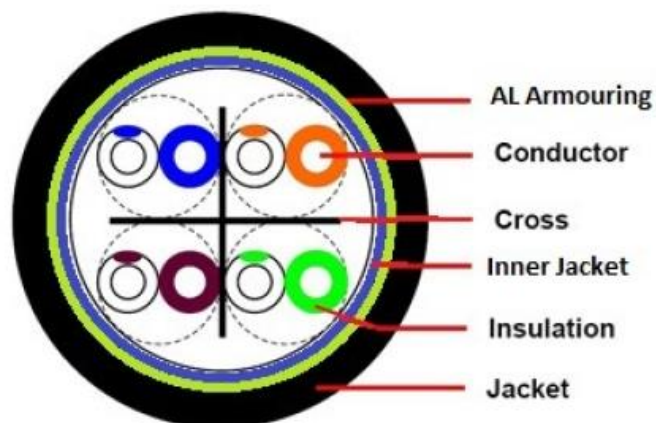


R196167 Cat6 UTP Installation Cable, 4P, 250 MHz, DJ, Al. Armored, Anti Rodent, 305 m



Description

Cat.6, UTP, 23 AWG Double jacket Aluminum Armored, Anti Rodent Installation cable. Suitable for Noisy Environments, Near Power Lines, High EMI Interference surroundings. 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	FRLS PVC with Anti Rodent
Cable inner jacket material	PVC
Armoring	Al. Armored wire
Cable overall diameter	nominal value $\varnothing 9.2 \pm 0.3$ mm
Conductor diameter	AWG23
Sequential Marking	At Every Meter
Temperature	-20° C to +60° C
Filler	HDPE
Color	Black
Length (meter)	305

ELECTRICAL PARAMETER

- CONDUCTOR RESISTANCE (DC): ≤ 93.5 OHMS/1000MTR@20Degree C. MAX.
- RESISTANCE UNBALANCE : 5%MAX
- MUTUAL CAPACITANCE: 5.6nF/100mtrs Max.
- PROPAGATION DELAY SKEW: 536ns/100M
- CAPACITANCE UNBALANCE PAIR/GROUND: 330PF/100M MAX
- NORMAL VELOCITY OF PROPAGATION: 69%
- IMPEDANCE: $100 \pm 15\%$ OHMS
- DELAY SKEW : 45ns/100m
- Generally confirming to EIA/TIA 568-C and IEC/ISO 11801

HIGH FREQUENCY ELECTRICAL PARAMETER

FREQ (MHZ)	ATT (dB/ 100m)	NEXT (dB) min.	PS.NEXT (dB) min.	ACRF (dB @ 100	PS.ACRF (dB @ 100 m) min	Return Loss (dB/100m)
1	2.1	65.0	62.0	63.0	60.3	19
4	4.0	63.0	60.5	51.2	48.2	19
8	5.7	58.2	55.6	45.2	42.2	19
10	6.3	56.6	54.0	43.3	40.3	19
16	8.0	53.2	50.6	39.2	36.2	18
20	9.0	51.6	49.0	37.2	34.2	17.5
25	10.1	50.0	47.3	35.3	32.3	17.0
31.25	11.4	48.4	45.7	33.4	30.4	16.5
62.5	16.5	43.4	40.6	27.3	24.3	14.0
100	21.3	39.9	37.1	23.3	20.3	12.0
200	31.5	34.8	31.9	17.2	14.2	9.0
250	35.9	33.1	30.2	15.3	12.3	8.0