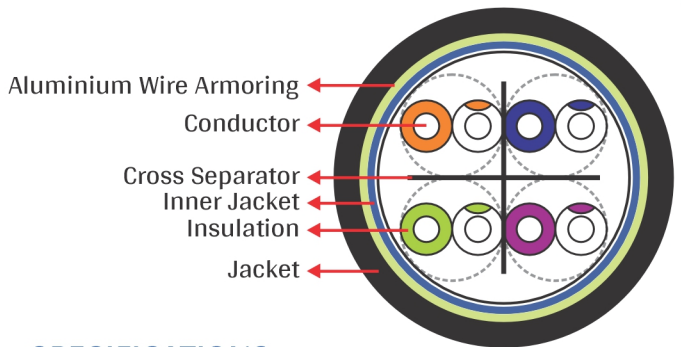


# CAT6 24AWG UTP ARMOURED CABLE

STRUCTURED CABLING SOLUTIONS



## INTRODUCTION

High-performance cable designed for transmitting high-speed data signals on LANs. It supports the Gigabit Ethernet (1000Base-T) standard and operates at a bandwidth of 250 MHz. The cable complies with TIA/EIA-568-C.2 channel performance standards up to a length of 70 meters.

## TECHNICAL DETAILS

- Conductor: Solid Bare Electrolytic Grade Copper
- Nominal Conductor Diameter: 24 AWG
- Insulation: Polyethylene
- Rip Cord: Yes
- Inner Jacket: PVC - GREY
- Thickness of Inner Jacket: 0.65 to 0.70mm
- Armouring: Aluminium Wire
- Size of Wire: 0.80mm
- Sequential Marking: At Every Meter
- Temperature Rating: -20° to +60°c
- Outer Jacket: FR PVC - Black
- Thickness of
- Colour of Jacket : Black
- Outer Jacket: 0.85mm (Nom.)
- Approximate OD: 9.50 mm
- Filler: HDPE

## SPECIFICATIONS

- Conductor Resistance (DC): 93.5 ? /1000 mtr @20°c Max
- Resistance Unbalance: 5% Max
- Mutual Capacitance: 5.6 nf/100 mtr Max
- Capacitance Unbalance Pair/Ground : 330PF/100M Max
- Propagation Delay Skew: 536 nS/100M
- Worst Case cable skew: 45ns/100m
- NVP: 69%
- Impedance: 100±15% Ω

## COLOR CODE

PAIR NO	COLOR
1-2	Orange-White with Orange
4-5	Brown-White with Brown
7-8	Blue-White with Blue
3-6	Green-White with Green

## TRANSMISSION CHARACTERISTICS 70MTS CHANNEL

FREQ (MHz)	ATTN (dB) max.	NEXT (dB) min.	PSNEXT (dB) min.	ACRF (dB) min.	PSACRF (dB) min	RETURN LOSS (dB)
1	2.1	65	62	63	60.3	19
4	4	63	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	43.3	40.3	19
16	8	53.2	50.6	39.2	36.2	18
20	9	51.6	49	37.2	34.2	17.5
25	10.1	50	47.3	35.3	32.3	17
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
100	21.3	39.9	37.1	23.3	20.3	12
200	31.5	34.8	31.9	17.2	14.2	9
250	35.9	33.1	30.2	15.3	12.3	8

### PRODUCT NO.

W24CT6305-GR

### DESCRIPTION

Cat6 UTP 24AWG Solid Cable - 305M / Roll

### COLOR

Light Grey