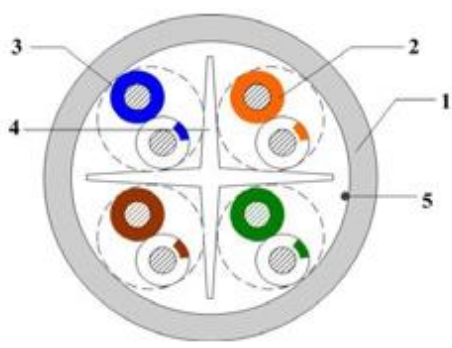


Description

- Rated temperature: 70 °C
 - Reference standard: ANSI/TIA-568-C.2 IEC61156-5 & IEC/ISO 11801,
- Product standard certification:
- Solid bare copper conductor
 - Color-coded PE insulation

Product Figure



- 1 – Jacket
- 2 – Insulation
- 3 - Conductor
- 4 – Filler
- 5 – Rip cord

Application

- Enhanced performance cable for transmission of high-speed data, digital and analogue voice and video (RGB) signals on LANs. Supports Gigabit Ethernet (1000 BASET) standard. Operates at bandwidth of 250MHz.

Physical Characteristics

Insulation	Construction	U/UTP
	Number of pairs	4Pair
	AWG	24 AWG
	Solid or stranded; bare or tinned	Solid bare copper
	Insulation Material	HDPE
Filler	Number colour (stripe marking)	1.Blue, White/Blue(stripe) 2.Orange, White/Orange(stripe) 3.Green, White/Green(stripe) 4.Brown, White/Brown(stripe)
	Filler	YES
	Outer jacket material	PVC
	Outer jacket	
Mechanical	Overall dimension	5.8 +/- 0.3 mm
	Outer jacket rip cord	Yes
	Outer jacket colour	Grey RAL7035
Electrical characteristics	Operating temp. range	-20 °C ~ +70 °C
	Nom. mutual capacitance	<=5.6 nF/100m @1KHz
	Max. capacitance unbalance	<=330 pF/100m
	Nominal velocity of propagation	65%
	Max. delay skew	45 ns/100m
	Max. conductor resistance	93.8Ω/km (@ 20 °C)
	Max. conductor resistance unbalance	<=5% (@ 20 °C)
	Min. insulation resistance	5000 MΩ· m
Max. operating voltage	300 V	



PRODUCT DATASHEET: CATEGORY 6 U/UTP 4 PAIR 24 AWG PVC

Transmission Characteristic per 85m

Frequency (MHz)	IL (dB)	NEXT (dB)	RL (dB)	PSNEXT (dB)	ACRF (dB)	PSACRF (dB)
1	1.9	65	19.1	62	64.2	61.2
4	3.5	64.1	21	61.8	52.1	49.1
8	5	59.4	21	57	46.1	43.1
10	5.5	57.8	21	55.5	44.2	41.2
16	7	54.6	20	52.2	40.1	37.1
20	7.9	53.1	19.5	50.7	38.2	35.2
25	8.9	51.5	19	49.1	36.2	33.2
31.25	10	50	18.5	47.5	34.3	31.3
62.5	14.4	45.1	16	42.7	28.3	25.3
100	18.6	41.8	14	39.3	24.2	21.2
200	27.4	36.9	11	34.3	18.2	15.2
250	31.1	35.3	10	32.7	16.2	13.2

Ordering Guide

Part Number	Description
UC212111	CISNET™ CATEGORY 6 U/UTP 4P 24 AWG PVC GREY CABLE 305m IN BOX

- For additional information please contact your sales representative
- Information in this document is correct as of Oct 01, 2020