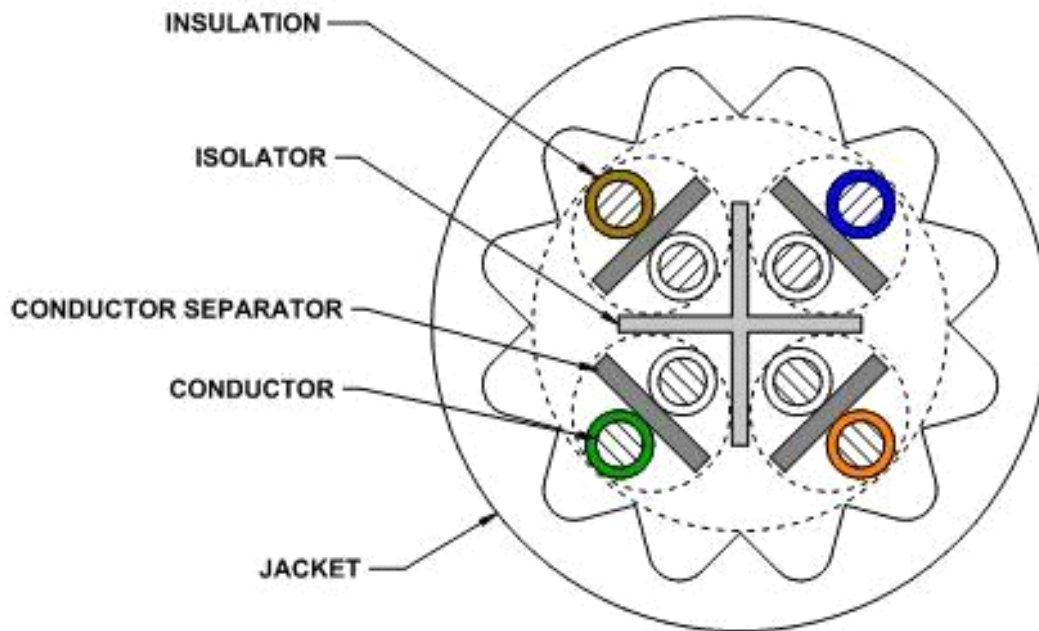


CS44R ETL Verified Category 6A U/UTP Cable, non-plenum, white jacket, 4 pair count, 1000 ft (305 m) length reel

## Product Classification

<b>Portfolio</b>	Uniprise®
<b>Product Type</b>	Twisted pair cable
<b>Regional Availability</b>	North America

## Cross Section Drawing



## Construction Materials

<b>Jacket Material</b>	PVC
<b>Conductor Material</b>	Bare copper
<b>Insulation Material</b>	Polyolefin
<b>Separator Material</b>	Polyolefin

## Dimensions

<b>Cable Length</b>	305 m   1000 ft
<b>Cable Weight</b>	38.04 lb/kft
<b>Diameter Over Jacket, nominal</b>	7.239 mm   0.285 in
<b>Jacket Thickness</b>	1.295 mm   0.051 in

## Electrical Specifications

<b>ANSI/TIA Category</b>	6A
<b>dc Resistance Unbalance, maximum</b>	4 %
<b>dc Resistance, maximum</b>	7.61 ohms/100 m
<b>Mutual Capacitance at Frequency</b>	6.0 nF/100 m @ 1 kHz
<b>Nominal Velocity of Propagation (NVP)</b>	65 %
<b>Operating Frequency, maximum</b>	500 MHz
<b>Operating Voltage, maximum</b>	80 V
<b>Transmission Standards</b>	ANSI/TIA-568-C.2   ISO/IEC 11801 Class EA
<b>Safety Voltage Rating</b>	300 V
<b>Dielectric Strength, minimum</b>	1500 Vac   2500 Vdc

## Environmental Specifications

<b>Environmental Space</b>	Non-plenum
<b>ETL Temperature Rating</b>	75 °C   167 °F
<b>Flame Test Method</b>	CMR   NEC Article 800   UL 1666   UL 444
<b>Installation Temperature</b>	0 °C to +60 °C (+32 °F to +140 °F)
<b>Operating Temperature</b>	-20 °C to +60 °C (-4 °F to +140 °F)

## General Specifications

<b>Cable Type</b>	U/UTP (unshielded)
<b>Packaging Type</b>	Reel
<b>Pairs, quantity</b>	4
<b>Cable Component Type</b>	Horizontal
<b>Jacket Color</b>	White
<b>Product Number</b>	CS44R
<b>Conductor Gauge, singles</b>	23 AWG
<b>Conductor Type, singles</b>	Solid
<b>Conductors, quantity</b>	8
<b>Separator Type</b>	Bisector

## Mechanical Specifications

**Pulling Tension, maximum** 11 kg | 25 lb

## Regulatory Compliance/Certifications

**Agency**

RoHS 2011/65/EU

ISO 9001:2015

**Classification**

Compliant

Designed, manufactured and/or distributed under this quality management system



## Electrical Performance

Std Refers to the standard value listed under Transmission Standards in the Electrical Specifications above

Typ Typical

IL Insertion Loss (dB/100m)

NEXT Near End Crosstalk (dB/100m)

ACR Attenuation to Crosstalk Ratio (dB/100m)

PSNEXT Power Sum Near End Crosstalk (db/100m)

PSACR Power Sum Attenuation to Crosstalk Ratio (dB/100m)

ACRF Attenuation to Crosstalk Ratio - Far End (dB/100m)

PSACRF Power Sum Attenuation to Crosstalk Ratio - Far End (dB/100m)

RL Return Loss (dB)

Freq. MHz	IL		NEXT		ACR		PSNEXT		PSACR		ACRF		PSACRF		RL	
	Std	Typ	Std	Typ	Std	Typ	Std	Typ	Std	Typ	Std	Typ	Std	Typ	Std	Typ
1	2.1	1.8	74.3	90.6	72.2	88.8	72.3	88.3	70.2	86.5	67.8	82.1	64.8	80.3	20.0	32.2
4	3.8	3.6	65.3	82.4	61.5	78.8	63.3	80.2	59.5	76.6	55.8	70.1	52.8	68.4	23.0	33.9
8	5.3	5.1	60.8	77.6	55.4	72.5	58.8	75.8	53.4	70.7	49.7	64.1	46.7	62.3	24.5	36.7
10	5.9	5.7	59.3	76.4	53.4	70.7	57.3	74.4	51.4	68.7	47.8	62.2	44.8	60.4	25.0	37.7
16	7.5	7.3	56.2	73.1	48.8	65.9	54.2	71.3	46.8	64.0	43.7	58.2	40.7	56.4	25.0	38.7
20	8.4	8.1	54.8	71.5	46.4	63.4	52.8	69.7	44.4	61.6	41.8	56.4	38.8	54.5	25.0	38.7
25	9.4	9.1	53.3	70.2	44.0	61.1	51.3	68.3	42.0	59.2	39.8	54.5	36.8	52.6	24.3	35.5
31.25	10.5	10.2	51.9	68.6	41.4	58.4	49.9	66.7	39.4	56.5	37.9	52.7	34.9	50.7	23.6	37.2
62.5	15.0	14.6	47.4	64.2	32.4	49.6	45.4	62.3	30.4	47.7	31.9	46.6	28.9	44.7	21.5	34.6
100	19.1	18.6	44.3	60.8	25.2	42.1	42.3	59.0	23.2	40.3	27.8	42.5	24.8	40.5	20.1	30.3
155	24.1	23.4	41.4	58.4	17.4	35.0	39.4	56.4	15.4	33.0	24.0	38.9	21.0	37.0	18.8	30.8
200	27.6	26.8	39.8	56.0	12.2	29.2	37.8	54.2	10.2	27.4	21.8	36.6	18.8	34.6	18.0	30.0
250	31.1	30.1	38.3	54.3	7.3	24.2	36.3	52.5	5.3	22.3	19.8	34.6	16.8	32.6	17.3	30.5
300	34.3	33.1	37.1	53.1	2.9	19.9	35.1	51.2	0.9	18.1	18.3	33.1	15.3	31.2	16.8	31.1
350	37.2	36.0	36.1	51.8	-1.1	15.8	34.1	49.9	-3.1	13.9	16.9	31.9	13.9	29.9	16.3	31.7
400	40.1	38.8	35.3	50.8	-4.8	12.0	33.3	48.8	-6.8	10.0	15.8	30.6	12.8	28.6	15.9	31.5
500	45.3	43.6	33.8	47.9	-11.4	4.3	31.8	45.8	-13.4	2.2	13.8	28.7	10.8	26.7	15.2	32.0
550		43.8		48.0		4.1		45.9		2.0		28.6		26.7		31.9
650		50.2		43.5		-6.7		41.5		-8.8		25.7		23.5		25.3