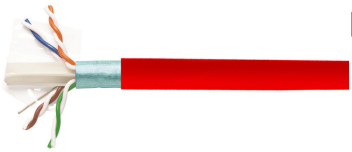
UN884024184/30 | CS44R RED C6A 4/23 F/UTP RL 3KFT



CS44R ETL Verified Category 6A F/UTP Cable, non-plenum, red jacket, 4 pair count, 3000 ft (914 m) length reel

Product Classification

Regional Availability	North America
Portfolio	Uniprise®
Product Type	Twisted pair cable

General Specifications

Product Number	CS44R
ANSI/TIA Category	6A
Cable Component Type	Horizontal
Cable Type	F/UTP (shielded)
Conductor Type, singles	Solid
Conductors, quantity	8
Drain Wire Type	Solid
Jacket Color	Red
Pairs, quantity	4
Separator Type	Isolator
Transmission Standards	ANSI/TIA-568.2-D

Dimensions

Cable Length	914.4 m | 3000 ft
Diameter Over Jacket, nominal	7.518 mm | 0.296 in
Jacket Thickness	0.508 mm | 0.02 in
Conductor Gauge, singles	23 AWG
Drain Wire Gauge	26 AWG

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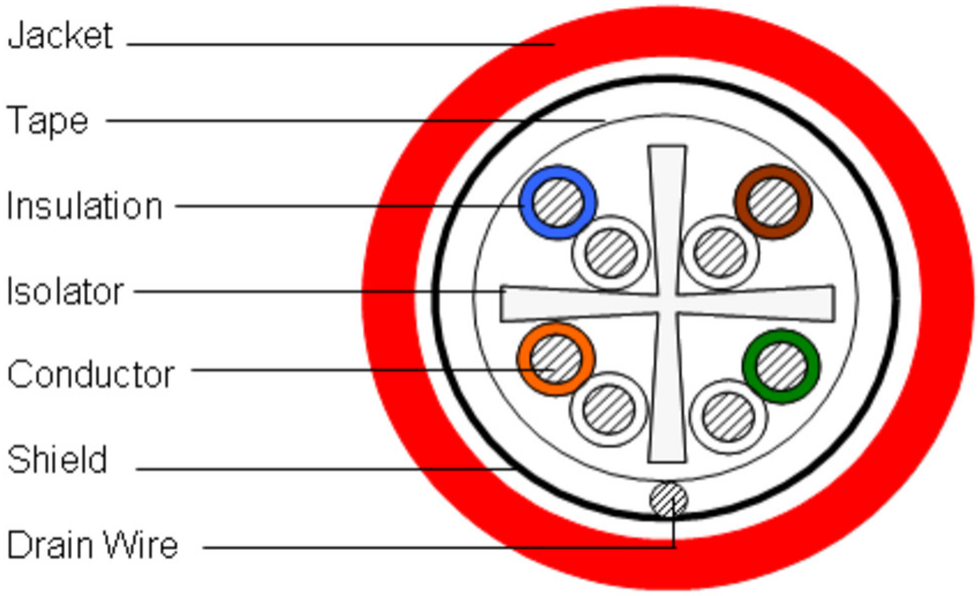
Cross Section Drawing



Electrical Specifications

dc Resistance Unbalance, maximum	4 %
dc Resistance, maximum	8 ohms/100 m | 2.438 ohms/100 ft
Delay Skew, maximum	45 ns
Dielectric Strength, minimum	1500 Vac | 2500 Vdc
Mutual Capacitance at Frequency	5.6 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	68 %
Operating Frequency, maximum	500 MHz
Operating Voltage, maximum	80 V
Remote Powering	Fully complies with the recommendations set forth by IEEE 802.3bt (Type 4) for the safe delivery of power over LAN cable when installed according to ISO/IEC 14763-2, CENELEC EN 50174-1, CENELEC EN 50174-2 or TIA TSB-184-A
Safety Voltage Rating	300 V

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Electrical Cable Performance

CS	CommScope
STD	Refers to the standard value listed under Transmission Standards in the Electrical Specifications above
TYP	Typical Electrical Performance
IL	Insertion Loss (dB/100m)
ACR	Attenuation to Crosstalk Ratio (dB/100m)
PSACR	Power Sum Attenuation to Crosstalk Ratio (dB/100m)
PSACRF	Power Sum Attenuation to Crosstalk Ratio - Far End (dB/100m)
TCL	Transverse Conversion Loss (dB/100m)
NEXT	Near End Crosstalk (dB/100m)
PSNEXT	Power Sum Near End Crosstalk (db/100m)
ACRF	Attenuation to Crosstalk Ratio - Far End (dB/100m)
RL	Return Loss (dB)
ELTCTL	Equal Level Transverse Conversion Transfer Loss (dB/100m)

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	1.7	74.3	89	72.2	87.2	72.3	86.6	70.2	84.9	67.8	89.2	64.8	86.9	20	30.9
4	3.8	3.4	65.3	83.6	61.5	80.2	63.3	81.5	59.5	78.2	55.8	82.1	52.8	80	23	33.5
8	5.3	4.8	60.8	76.6	55.4	71.8	58.8	74.8	53.4	70	49.7	75.2	46.7	73.4	24.5	35
10	5.9	5.4	59.3	75.7	53.4	70.4	57.3	73.9	51.4	68.5	47.8	72.8	44.8	71.1	25	36
16	7.5	6.8	56.2	73.4	48.8	66.6	54.2	71.4	46.8	64.6	43.7	69.4	40.7	67.6	25	37.2
20	8.4	7.6	54.8	71.9	46.4	64.3	52.8	69.8	44.4	62.2	41.8	67.5	38.8	65.9	25	36.2
25	9.4	8.5	53.3	70.1	44	61.6	51.3	68.1	42	59.6	39.8	65.7	36.8	64	24.3	34.9
31.25	10.5	9.5	51.9	68.5	41.4	59	49.9	66.4	39.4	56.9	37.9	63.5	34.9	61.8	23.6	34.6
62.5	15	13.5	47.4	64.6	32.4	51.1	45.4	62.5	30.4	49	31.9	57.8	28.9	56.1	21.5	31.7
100	19.1	17.2	44.3	61.1	25.2	43.9	42.3	59.2	23.2	42	27.8	54.8	24.8	52.8	20.1	27.8
155	24.1	21.5	41.4	58.1	17.4	36.6	39.4	56	15.4	34.5	24	49.8	21	47.9	18.8	24.5
200	27.6	24.5	39.8	55.3	12.2	30.8	37.8	53.3	10.2	28.8	21.8	47.8	18.8	45.9	18	23.3
250	31.1	27.5	38.3	52.7	7.3	25.2	36.3	50.8	5.3	23.3	19.8	45.6	16.8	43.7	17.3	20.9
300	34.3	30.2	37.1	50.6	2.9	20.3	35.1	48.8	0.9	18.6	18.3	44.5	15.3	42.3	16.8	20.2
350	37.2	32.8	36.1	48.5	-1.1	15.8	34.1	46.9	-3.1	14.1	16.9	42.6	13.9	40.4	16.3	19.4
400	40.1	35.1	35.3	48.3	-4.8	13.1	33.3	46.5	-6.8	11.4	15.8	40.1	12.8	38	15.9	18.4
500	45.3	39.6	33.8	47.4	-11.4	7.8	31.8	45.3	-13.4	5.8	13.8	38.1	10.8	35.9	15.2	17.7
550		41.7		46.1		4.4		44.1		2.4		36.5		34.1		16.9

Material Specifications

Conductor Material	Bare copper
Drain Wire Material	Tinned copper
Insulation Material	Polyolefin
Jacket Material	PVC
Separator Material	Polyolefin

Mechanical Specifications

Pulling Tension, maximum	11.34 kg | 25 lb

Environmental Specifications

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Installation temperature	0 °C to +60 °C (+32 °F to +140 °F)
Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Environmental Space	Non-plenum
Flame Test Method	CMR | NEC Article 800 | UL 1666 | UL 444

Packaging and Weights

Cable weight	57.518 kg/km | 38.65 lb/kft
Packaging Type	Reel

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system