



UltraMedia® 75N4 ETL Verified Category 6 U/UTP Cable, non-plenum, red jacket, 4 pair count, 1000 ft (305 m) length, reel

OBSOLETE

Replaced By

UN884022804/10

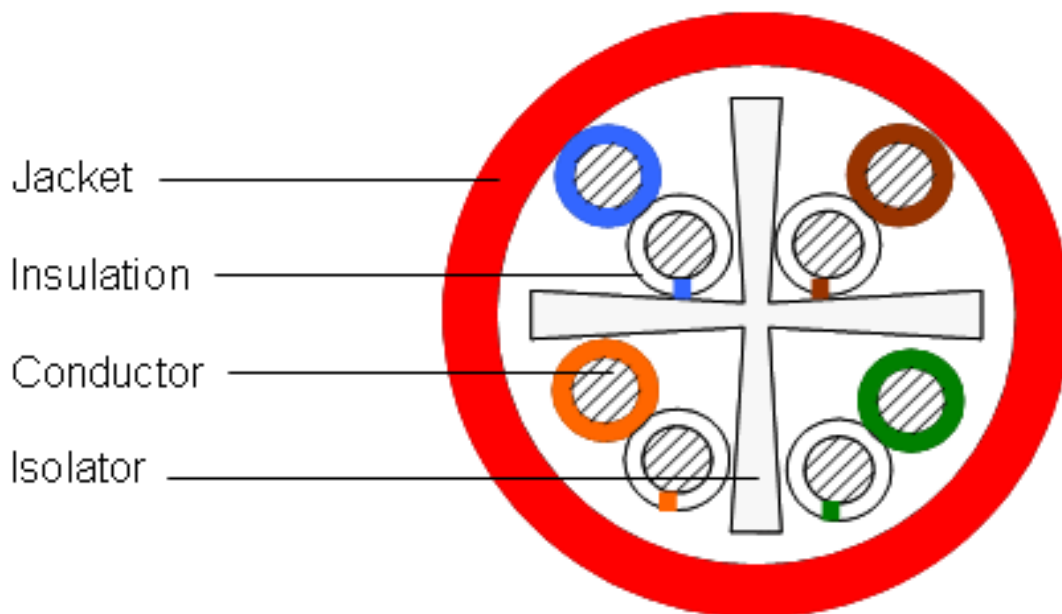
CS37R ETL Verified Category 6 U/UTP Cable, non-plenum, red jacket, 4 pair count, 1000 ft

CS37R RED C6 4/23 U/UTP RL 1KFT (305 m) length, reel

Product Classification

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

Cross Section Drawing



Construction Materials

Jacket Material	PVC
Conductor Material	Bare copper
Insulation Material	Polyolefin
Separator Material	Polyolefin

Dimensions

Cable Length	305 m 1000 ft
Cable Weight	24.62 lb/kft
Diameter Over Jacket, nominal	5.842 mm 0.230 in
Jacket Thickness	0.508 mm 0.020 in

Electrical Specifications

ANSI/TIA Category	6
Characteristic Impedance	100 ohm
dc Resistance Unbalance, maximum	5 %
dc Resistance, maximum	6.66 ohms/100 m
Delay Skew, maximum	45 ns
Mutual Capacitance at Frequency	5.4 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	69 %
Operating Frequency, maximum	400 MHz
Operating Voltage, maximum	80 V
Transmission Standards	ANSI/TIA-568-C.2 CENELEC EN 50288-6-1 ISO/IEC 11801 Class E
Safety Voltage Rating	300 V
Dielectric Strength, minimum	1500 Vac 2500 Vdc
Note	All electrical transmission tests include swept frequency measurements

Environmental Specifications

Environmental Space	Non-plenum
Flame Test Method	CMR
Installation Temperature	0 °C to +60 °C (+32 °F to +140 °F)
Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
UL Temperature Rating	75 °C 167 °F

General Specifications

Cable Type	U/UTP (unshielded)
Packaging Type	Reel
Pairs, quantity	4
Cable Component Type	Horizontal
Jacket Color	Red
Product Number	75N4
Conductor Gauge, singles	23 AWG
Conductor Type, singles	Solid
Conductors, quantity	8
Separator Type	Isolator

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

CS	CommScope
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)
TCL	Transverse Conversion Loss (dB/100m)
ELTCTL	Equal Level Transverse Conversion Transfer Loss (dB/100m)

Freq. MHz	IL			NEXT			ACR			PSNEXT			PSACR			ACRF			PSACRF			RL			TCL		ELTCTL	
	CS	Std	Typ	CS	Std	Typ	CS	Std	Typ	CS	Std	Typ	CS	Std	Typ	CS	Std	Typ	CS	Std	Typ	CS	Std	Typ	CS	Std	CS	Std
1	2.0	2.0	1.8	77.3	74.3	90.3	75.3	72.3	88.5	75.3	72.3	88.1	73.3	70.3	86.3	68.8	67.8	84.1	65.8	64.8	82.6	20.0	20.0	32.0	40.0	40.0	35.0	35.0
4	3.8	3.8	3.6	68.3	65.3	82.7	64.5	61.5	79.1	66.3	63.3	80.4	62.5	59.5	76.8	56.8	55.8	72.7	53.8	52.8	71.4	23.6	23.0	30.0	40.0	40.0	23.0	23.0
8	5.3	5.3	5.1	63.8	60.8	78.1	58.5	55.4	72.9	61.8	58.8	75.8	56.5	53.4	70.6	50.7	49.7	66.9	47.7	46.7	65.5	25.4	24.5	34.3	40.0	40.0	16.9	16.9
10	5.9	6.0	5.8	62.3	59.3	76.5	56.4	53.3	70.7	60.3	57.3	74.3	54.4	51.3	68.5	48.8	47.8	65.0	45.8	44.8	63.6	26.0	25.0	34.9	40.0	40.0	15.0	15.0
16	7.5	7.6	7.3	59.2	56.2	73.5	51.7	48.7	66.1	57.2	54.2	71.3	49.7	46.7	64.0	44.7	43.7	61.0	41.7	40.7	59.5	26.0	25.0	35.2	38.0	38.0	10.9	10.9
20	8.4	8.5	8.2	57.8	54.8	72.0	49.4	46.3	63.8	55.8	52.8	69.8	47.4	44.3	61.6	42.8	41.8	59.0	39.8	38.8	57.6	26.0	25.0	35.0	37.0	37.0	9.0	9.0
25	9.4	9.5	9.2	56.3	53.3	70.3	46.9	43.8	61.0	54.3	51.3	68.2	44.9	41.8	58.9	40.8	39.8	57.1	37.8	36.8	55.7	25.3	24.3	36.1	36.0	36.0	7.0	7.0
31.25	10.6	10.7	10.3	54.9	51.9	68.9	44.3	41.2	58.6	52.9	49.9	66.8	42.3	39.2	56.5	38.9	37.9	55.2	35.9	34.9	53.8	24.6	23.6	36.4	35.1	35.1		
62.5	15.3	15.4	14.8	50.4	47.4	63.8	35.1	32.0	49.0	48.4	45.4	61.7	33.1	30.0	46.8	32.9	31.9	49.0	29.9	28.9	47.6	22.5	21.5	34.1	32.0	32.0		
100	19.7	19.8	19.0	47.3	44.3	60.5	27.6	24.5	41.6	45.3	42.3	58.3	25.6	22.5	39.3	28.8	27.8	44.7	25.8	24.8	43.3	21.1	20.1	32.4	30.0	30.0		
155	25.0	25.2	23.9	44.4	41.4	58.6	19.5	16.3	34.7	42.4	39.4	56.3	17.5	14.3	32.4	25.0	24.0	41.3	22.0	21.0	39.8	19.8	18.8	30.0	28.1	28.1		
200	28.8	29.0	27.4	42.8	39.8	55.4	14.0	10.8	28.0	40.8	37.8	53.3	12.0	8.8	26.0	22.8	21.8	38.5	19.8	18.8	37.1	19.0	18.0	29.3	27.0	27.0		
250	32.6	32.8	30.8	41.3	38.3	54.0	8.7	5.5	23.2	39.3	36.3	51.9	6.7	3.5	21.0	20.8	19.8	36.5	17.8	16.8	35.0	18.3	17.3	28.3	26.0	26.0		
300	36.2		34.0	40.1		52.2	4.0		18.2	38.1		50.2	2.0		16.2	19.3		34.6	16.3		33.1	17.8		28.2				
350	39.5		37.0	39.1		50.9	-0.4		14.0	37.1		48.9	-2.4		12.0	17.9		33.0	14.9		31.4	17.3		28.1				
400	42.7		39.7	38.3		49.9	-4.4		10.2	36.3		47.9	-6.4		8.2	16.8		30.9	13.8		29.4	16.9		28.6				
500			45.2			47.5			2.3			45.5			0.3			26.9			25.2			28.5				
550			44.9			50.9			6.0			48.8			3.9			28.7			27.3			33.6				
650			49.8			46.4			-3.5			44.2			-5.6			23.3			21.5			25.3				