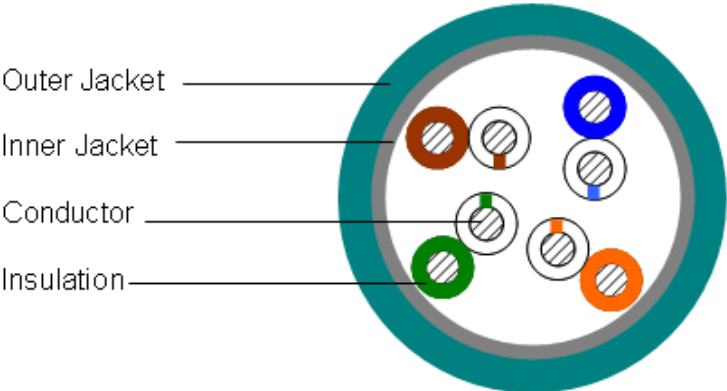




8842005/10 | 2001 RED REEL

Sunlight and Oil Resistant Category 5e U/UTP 2001 Cable, non-plenum, red jacket, 4 pair count, 1000 ft (305 m) length, reel

Cross Section Drawing



Construction Materials

Conductor Material	Bare copper
Insulation Material	Polyolefin
Jacket Material	PVC

Dimensions

Cable Length	305 m 1000 ft
Cable Weight	29.47 lb/kft
Diameter Over Inner Jacket	4.953 mm 0.195 in
Diameter Over Jacket	6.426 mm 0.253 in
Inner Jacket Thickness	0.559 mm 0.022 in
Jacket Thickness	0.457 mm 0.018 in

Electrical Specifications

ANSI/TIA Category	5e
dc Resistance Unbalance, maximum	5 %
dc Resistance, maximum	9.38 ohms/100 m
Delay Skew	45 ns
Mutual Capacitance	5.6 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	69 %
Operating Frequency, maximum	100 MHz
Transmission Standards	ANSI/TIA-568-C.2
Safety Voltage Rating	300 V

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Dielectric Strength, minimum 1500 Vac | 2500 Vdc

Environmental Specifications

Environmental Space	Non-plenum
Flame Test Method	CMR
Installation Temperature	0 °C to +60 °C (+32 °F to +140 °F)
Operating Temperature	-40 °C to +75 °C (-40 °F to +167 °F)

General Specifications

Brand	Uniprise®
Cable Component Type	Horizontal
Cable Type	U/UTP (unshielded)
Pairs, quantity	4
Jacket Color	Red
Conductor Gauge, singles	24 AWG
Conductor Type, singles	Solid
Conductors, quantity	8
Packaging Type	Reel
Product Number	2001

Mechanical Specifications

Pulling Tension, maximum 11 kg | 25 lb

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2002/95/EC	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system



Electrical Performance

Std	Standard (ANSI/TIA-568)		
IL	Insertion Loss (dB/100m)	PSACR	Power Sum Attenuation to Crosstalk Ratio (dB/100m)
NEXT	Near End Crosstalk (dB/100m)	ACRF	Attenuation to Crosstalk Ratio - Far End (dB/100m)
ACR	Attenuation to Crosstalk Ratio (dB/100m)	PSACRF	Power Sum Attenuation to Crosstalk Ratio - Far End (dB/100m)
PSNEXT	Power Sum Near End Crosstalk (db/100m)	RL	Return Loss (dB)

Freq. MHz	IL	NEXT	ACR	PSNEXT	PSACR	ACRF	PSACRF	RL
	Std	Std	Std	Std	Std	Std	Std	Std
1	2.0	65.3	63.3	62.3	60.3	63.8	60.8	20.0
4	4.1	56.3	52.2	53.3	49.2	51.8	48.8	23.0
8	5.8	51.8	46.0	48.8	43.0	45.7	42.7	24.5
10	6.5	50.3	43.8	47.3	40.8	43.8	40.8	25.0
16	8.2	47.2	39.0	44.2	36.0	39.7	36.7	25.0
20	9.3	45.8	36.5	42.8	33.5	37.8	34.8	25.0
25	10.4	44.3	33.9	41.3	30.9	35.8	32.8	24.3
31.25	11.7	42.9	31.2	39.9	28.2	33.9	30.9	23.6
62.5	17.0	38.4	21.4	35.4	18.4	27.9	24.9	21.5
100	22.0	35.3	13.3	32.3	10.3	23.8	20.8	20.1