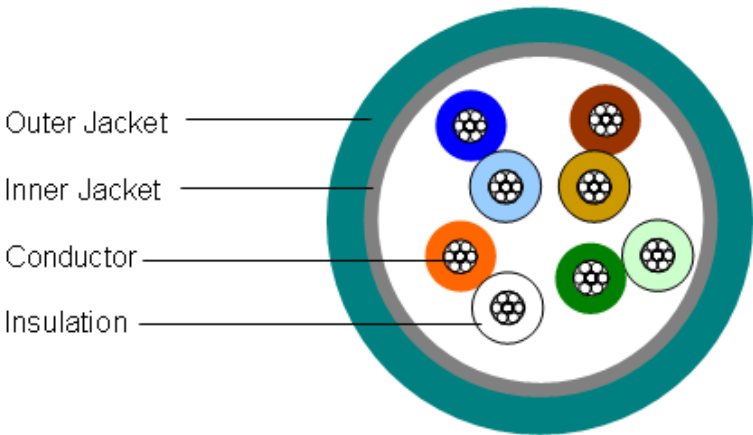




8840805/10 | 2002 GRAY REEL

Sunlight and Oil Resistant Category 5e U/UTP 2002 Cable, non-plenum, gray jacket, 4 pair count, 3000 ft (914 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	29.27 lb/kft
Diameter Over Inner Jacket	5.588 mm 0.220 in
Diameter Over Jacket	6.502 mm 0.256 in
Inner Jacket Thickness	0.508 mm 0.020 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

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Safety Voltage Rating	300 V
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	Cordage
Cable Type	U/UTP (unshielded)
Pairs, quantity	4
Jacket Color	Gray
Conductor Gauge, singles	24 AWG
Conductor Type, singles	Stranded
Conductors, quantity	8
Packaging Type	Reel
Product Number	2002

Mechanical Specifications

Pulling Tension, maximum	11 kg 25 lb
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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	2.4	65.3	62.9	62.3	59.9	63.8	60.8	20.0
4	4.9	56.3	51.4	53.3	48.4	51.8	48.8	23.0
8	6.9	51.8	44.8	48.8	41.8	45.7	42.7	24.5
10	7.8	50.3	42.5	47.3	39.5	43.8	40.8	25.0
16	9.9	47.2	37.3	44.2	34.3	39.7	36.7	25.0
20	11.1	45.8	34.7	42.8	31.7	37.8	34.8	25.0
25	12.5	44.3	31.8	41.3	28.8	35.8	32.8	24.2
31.25	14.1	42.9	28.8	39.9	25.8	33.9	30.9	23.3
62.5	20.4	38.4	17.9	35.4	14.9	27.9	24.9	20.7
100	26.4	35.3	8.9	32.3	5.9	23.8	20.8	19.0