Product Specifications

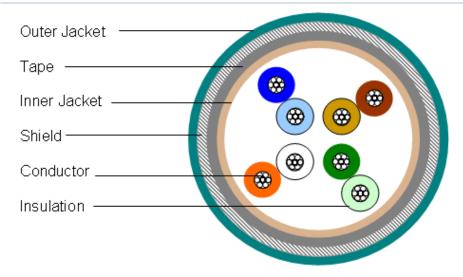




4602106/10 | 2004 ICAT5E TEAL REEL

Sunlight and Oil Resistant Category 5e F/UTP 2004 Flexible Cable, non-plenum, teal jacket, 4 pair count, 1000 ft (305 m) length, reel

Cross Section Drawing



Construction Materials

Jacket Material PVC

Conductor Material Tinned copper

Inner Jacket Material PVC
Insulation Material Polyolefin
Shield (Braid) Coverage 65 %

Shield (Braid) Material Tinned copper

Shield (Tape) Material Aluminum/Polypropylene/Aluminum tape

Dimensions

Cable Length 305 m | 1000 ft
Cable Weight 44.97 lb/kft

Diameter Over Inner Jacket 6.096 mm | 0.240 in
Diameter Over Jacket 8.001 mm | 0.315 in
Diameter Over Shield (Tape) 6.909 mm | 0.272 in
Inner Jacket Thickness 0.762 mm | 0.030 in
Jacket Thickness 0.508 mm | 0.020 in

Electrical Specifications

ANSI/TIA Category 5e dc Resistance Unbalance, maximum 5 %

dc Resistance, maximum 9.38 ohms/100 m

Delay Skew, maximum 45 ns

Mutual Capacitance 5.6 nF/100 m @ 1 kHz

Product Specifications



4602106/10 | 2004 ICAT5E TEAL REEL

Nominal Velocity of Propagation (NVP) 69 % Operating Frequency, maximum 100 MHz

Transmission Standards ANSI/TIA-568-C.2

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

Cable Type F/UTP (shielded)

Pairs, quantity 4

Application Industrial
Cable Component Type Cordage
Packaging Type Reel

Brand CommScope®

Jacket ColorTealProduct Number2004Conductor Gauge, singles24 AWGConductor Type, singlesStranded

Conductors, quantity 8

Mechanical Specifications

Pulling Tension, maximum 11 kg | 25 lb

Regulatory Compliance/Certifications

AgencyRoHS 2011/65/EU

Classification
Compliant

ISO 9001:2008 Designed, manufactured and/or distributed under this quality management system



Product Specifications



4602106/10 | 2004 ICAT5E TEAL REEL

Electrical Performance

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

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	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