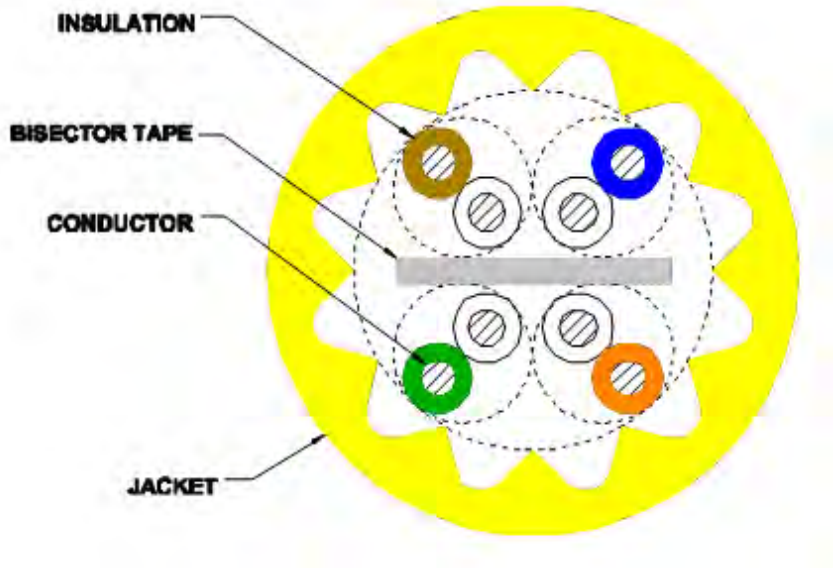
Product Specifications

8765704/10 | 10G4 YELLOW ULTRA 10 REEL

Ultra 10® 10G4 ETL Verified Category 6A U/UTP Cable, plenum, yellow jacket, 4 pair count, 1000 ft (305 m) length reel

Cross Section Drawing



Construction Materials

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

Dimensions

Cable Length	305 m | 1000 ft
Cable Weight	42.40 lb/kft
Diameter Over Jacket	7.620 mm | 0.300 in
Jacket Thickness	1.346 mm | 0.053 in

Electrical Specifications

ANSI/TIA Category	6A
dc Resistance Unbalance, maximum	4 %
dc Resistance, maximum	7.61 ohms/100 m
Mutual Capacitance	6.0 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	66 %
Operating Frequency, maximum	500 MHz
Transmission Standards	ANSI/TIA-568-C.2

Safety Voltage Rating	300 V
Dielectric Strength, minimum	1500 Vac | 2500 Vdc

Environmental Specifications

Environmental Space	Plenum
Flame Test Method	CMP
Installation Temperature	0 °C to +60 °C (+32 °F to +140 °F)
Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)

General Specifications

Cable Type	U/UTP (unshielded)
Pairs, quantity	4
Cable Component Type	Horizontal
Packaging Type	Reel
Brand	Ultra 10® | Uniprise®
Jacket Color	Yellow
Conductor Gauge, singles	23 AWG
Conductor Type, singles	Solid
Conductors, quantity	8
Separator Type	Bisector

Mechanical Specifications

Pulling Tension, maximum	11 kg | 25 lb

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

RoHS COMPLIANT

Product Specifications

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Electrical Performance

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
	Std	Typ	Std	Typ	Std	Typ	Std	Typ	Std	Typ	Std	Typ	Std	Typ	Std	Typ	Std	Std
1	2.1	1.8	74.3	91.0	72.2	89.2	72.3	89.0	70.2	87.3	67.8	84.5	64.8	82.5	20.0	33.0	40.0	35.0
4	3.8	3.5	65.3	83.1	61.5	79.6	63.3	81.0	59.5	77.5	55.8	72.6	52.8	70.5	23.0	34.6	40.0	23.0
8	5.3	5.0	60.8	79.0	55.4	73.9	58.8	76.9	53.4	71.8	49.7	66.6	46.7	64.4	24.5	37.3	40.0	16.9
10	5.9	5.6	59.3	76.6	53.4	71.0	57.3	74.7	51.4	69.1	47.8	64.7	44.8	62.5	25.0	38.4	40.0	15.0
16	7.5	7.1	56.2	73.6	48.8	66.5	54.2	71.5	46.8	64.3	43.7	60.6	40.7	58.2	25.0	39.6	38.0	10.9
20	8.4	8.0	54.8	73.0	46.4	65.0	52.8	71.0	44.4	63.0	41.8	58.6	38.8	56.2	25.0	38.9	37.0	9.0
25	9.4	9.0	53.3	70.6	44.0	61.7	51.3	68.8	42.0	59.8	39.8	56.5	36.8	54.2	24.3	38.7	36.0	7.0
31.25	10.5	10.1	51.9	68.7	41.4	58.7	49.9	66.9	39.4	56.8	37.9	54.4	34.9	52.1	23.6	39.3	35.1	
62.5	15.0	14.4	47.4	64.6	32.4	50.3	45.4	62.7	30.4	48.3	31.9	48.5	28.9	46.0	21.5	36.3	32.0	
100	19.1	18.4	44.3	60.2	25.2	41.9	42.3	58.7	23.2	40.4	27.8	44.5	24.8	42.2	20.1	35.8	30.0	
155	24.1	23.2	41.4	60.8	17.4	37.7	39.4	58.8	15.4	35.6	24.0	41.0	21.0	38.7	18.8	33.1	28.1	
200	27.6	26.5	39.8	56.8	12.2	30.4	37.8	55.0	10.2	28.5	21.8	38.5	18.8	36.3	18.0	33.0	27.0	
250	31.1	29.8	38.3	54.8	7.3	25.1	36.3	52.8	5.3	23.0	19.8	36.5	16.8	34.2	17.3	32.6	26.0	
300	34.3	32.9	37.1	53.4	2.9	20.5	35.1	51.4	0.9	18.5	18.3	35.0	15.3	32.5	16.8	32.5	25.2	
350	37.2	35.7	36.1	52.1	-1.1	16.4	34.1	50.1	-3.1	14.4	16.9	34.0	13.9	31.4	16.3	33.2	24.6	
400	40.1	38.2	35.3	50.4	-4.8	12.2	33.3	48.3	-6.8	10.1	15.8	32.0	12.8	30.0	15.9	34.2	24.0	
500	45.3	43.1	33.8	47.3	-11.4	4.2	31.8	45.5	-13.4	2.4	13.8	29.9	10.8	27.8	15.2	34.6	23.0	
650		49.8		43.1		-6.6		41.3		-8.4		27.4		25.1		27.2		