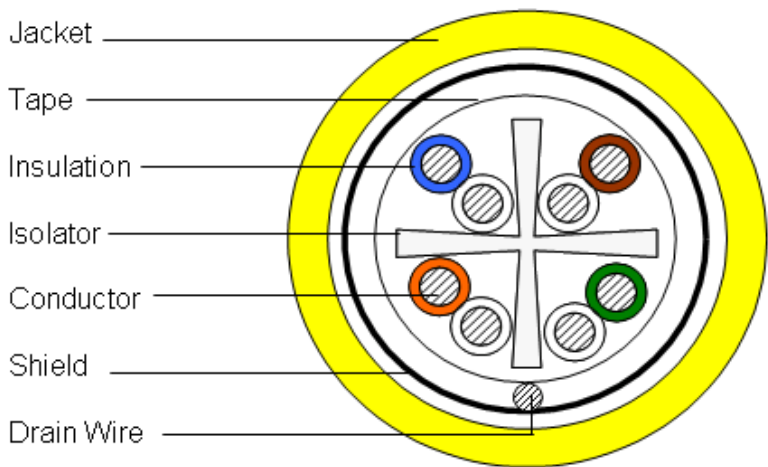




Uniprise Solutions
8775784/30 | 10GS4 YELLOW ULTRA 10 REEL (3K)
Ultra 10® 10GS4 ETL Verified Category 6A F/UTP Cable, plenum, yellow jacket, 4 pair count, 3000 ft (914 m) length reel

Cross Section Drawing



Construction Materials

Jacket Material	PVC
Conductor Material	Bare copper
Drain Wire Material	Tinned copper
Insulation Material	FEP
Separator Material	FEP

Dimensions

Cable Length	914 m 3000 ft
Cable Length Tolerance	±5%
Cable Weight	39.00 lb/kft
Diameter Over Jacket	7.010 mm 0.276 in
Jacket Thickness	0.457 mm 0.018 in

Electrical Specifications

ANSI/TIA Category	6A
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dc Resistance Unbalance, maximum	4 %
dc Resistance, maximum	8.00 ohms/100 m
Delay Skew, maximum	45 ns
Mutual Capacitance	5.6 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	70 %
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)
Smoke Test Method	CMP

General Specifications

Cable Type	F/UTP (shielded)
Pairs, quantity	4
Cable Component Type	Horizontal
Packaging Type	Reel
Brand	Ultra 10® Uniprise®
Jacket Color	Yellow
Product Number	10GS4
Conductor Gauge, singles	23 AWG
Conductor Type, singles	Solid
Conductors, quantity	8
Drain Wire Gauge	24 AWG
Drain Wire Type	Solid
Separator Type	Isolator

Mechanical Specifications

Pulling Tension, maximum	11 kg 25 lb
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Regulatory Compliance/Certifications

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



Electrical Performance

Std	Refers to the standard value listed under Transmission Standards in the Electrical Specifications above		
Typ	Typical		
IL	Insertion Loss (dB/100m)	PSACRF	Power Sum Attenuation to Crosstalk Ratio – Far End (dB/100m)
NEXT	Near End Crosstalk (dB/100m)	RL	Return Loss (dB)
ACR	Attenuation to Crosstalk Ratio (dB/100m)	TCL	Transverse Conversion Loss (dB/100m)
PSNEXT	Power Sum Near End Crosstalk (db/100m)	ELTCTL	Equal Level Transverse Conversion Transfer Loss (dB/100m)
PSACR	Power Sum Attenuation to Crosstalk Ratio (dB/100m)		
ACRF	Attenuation to Crosstalk Ratio - Far End (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	91.3	72.2	89.5	72.3	89.2	70.2	87.4	67.8	91.0	64.8	88.8	20.0	33.5	40.0	35.0
4	3.8	3.5	65.3	81.8	61.5	78.3	63.3	79.8	59.5	76.3	55.8	81.3	52.8	79.4	23.0	35.7	40.0	23.0
8	5.3	4.9	60.8	76.9	55.4	72.0	58.8	75.0	53.4	70.1	49.7	75.3	46.7	73.4	24.5	36.3	40.0	16.9
10	5.9	5.5	59.3	75.2	53.4	69.7	57.3	73.3	51.4	67.8	47.8	73.6	44.8	71.7	25.0	36.8	40.0	15.0
16	7.5	7.0	56.2	72.7	48.8	65.7	54.2	70.5	46.8	63.5	43.7	69.7	40.7	67.7	25.0	37.4	38.0	10.9
20	8.4	7.8	54.8	70.8	46.4	62.9	52.8	68.8	44.4	60.9	41.8	67.6	38.8	65.7	25.0	37.6	37.0	9.0
25	9.4	8.8	53.3	69.3	44.0	60.5	51.3	67.2	42.0	58.5	39.8	65.6	36.8	63.7	24.3	37.3	36.0	7.0
31.25	10.5	9.8	51.9	68.0	41.4	58.2	49.9	66.0	39.4	56.2	37.9	63.7	34.9	61.8	23.6	36.5	35.1	
62.5	15.0	13.9	47.4	62.7	32.4	48.7	45.4	60.7	30.4	46.8	31.9	57.7	28.9	55.7	21.5	33.5	32.0	
100	19.1	17.7	44.3	58.6	25.2	40.9	42.3	56.8	23.2	39.1	27.8	53.4	24.8	51.3	20.1	30.4	30.0	
155	24.1	22.2	41.4	56.7	17.4	34.5	39.4	54.3	15.4	32.1	24.0	49.4	21.0	47.5	18.8	28.6	28.1	
200	27.6	25.3	39.8	53.3	12.2	28.0	37.8	51.4	10.2	26.1	21.8	47.7	18.8	45.7	18.0	27.6	27.0	
250	31.1	28.4	38.3	52.4	7.3	24.0	36.3	50.3	5.3	21.9	19.8	45.8	16.8	43.7	17.3	26.5	26.0	
300	34.3	31.2	37.1	51.6	2.9	20.4	35.1	49.5	0.9	18.3	18.3	43.9	15.3	41.8	16.8	26.9	25.2	
350	37.2	33.8	36.1	50.8	-1.1	17.0	34.1	48.7	-3.1	14.9	16.9	42.2	13.9	40.1	16.3	27.0	24.6	
400	40.1	36.3	35.3	50.5	-4.8	14.2	33.3	48.3	-6.8	12.0	15.8	41.0	12.8	38.9	15.9	26.7	24.0	
500	45.3	40.9	33.8	47.3	-11.4	6.4	31.8	45.2	-13.4	4.3	13.8	38.3	10.8	36.0	15.2	26.9	23.0	