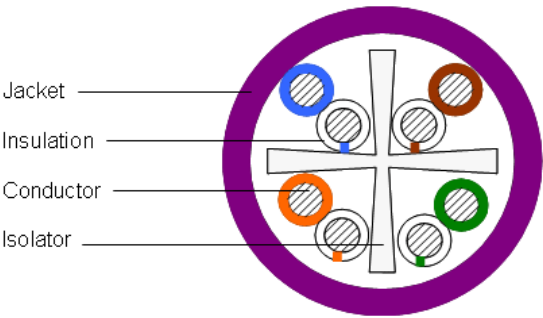




8845404/10 | 75N4 VIOLET REEL

UltraMedia® 75N4 ETL Verified Category 6e U/UTP Cable, non-plenum, violet 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
Separator Material	Polyolefin

Dimensions

Cable Length	305 m 1000 ft
Cable Weight	24.62 lb/kft
Diameter Over Jacket	5.842 mm 0.230 in
Jacket Thickness	0.508 mm 0.020 in

Electrical Specifications

ANSI/TIA Category	6
dc Resistance Unbalance, maximum	5 %
dc Resistance, maximum	6.66 ohms/100 m
Delay Skew	30 ns
Mutual Capacitance	5.4 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	69 %
Operating Frequency, maximum	400 MHz
Transmission Standards	ANSI/TIA-568-C.2 CENELEC EN 50288-6-1 ISO/IEC 11801 Class E
Safety Voltage Rating	300 V
Dielectric Strength, minimum	1500 Vac 2500 Vdc
Note	All electrical transmission tests include swept frequency measurements

Environmental Specifications

Environmental Space	Non-plenum
Flame Test Method	CMG CMR
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

Brand	UltraMedia® Uniprise®
Cable Component Type	Horizontal
Cable Type	U/UTP (unshielded)
Pairs, quantity	4
Jacket Color	Violet
Conductor Gauge, singles	23 AWG

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Conductor Type, singles	Solid
Conductors, quantity	8
Separator Type	Isolator
Packaging Type	Reel
Product Number	75N4

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



Product Specifications



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Electrical Performance

CS	CommScope	ACRF	Attenuation to Crosstalk Ratio - Far End (dB/100m)
Std	Standard (ANSI/TIA-568)	PSACRF	Power Sum Attenuation to Crosstalk Ratio - Far End (dB/100m)
Typ	Typical	RL	Return Loss (dB)
IL	Insertion Loss (dB/100m)	TCL	Transverse Conversion Loss (dB/100m)
NEXT	Near End Crosstalk (dB/100m)	ELTCTL	Equal Level Transverse Conversion Transfer Loss (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)		

Freq. MHz	IL			NEXT			ACR			PSNEXT			PSACR			ACRF			PSACRF			RL			TCL		ELTCTL	
	CS	Std	Typ	CS	Std	Typ	CS	Std	Typ	CS	Std	Typ	CS	Std	Typ	CS	Std	Typ	CS	Std	Typ	CS	Std	Typ	CS	Std	CS	Std
1	2.0	2.0	2.1	77.3	74.3	92.6	75.3	72.3	90.5	75.3	72.3	90.7	73.3	70.3	88.6	68.8	67.8	85.1	65.8	64.8	83.8	20.0	20.0	34.5	40.0	40.0	35.0	35.0
4	3.8	3.8	3.9	68.3	65.3	85.0	64.5	61.5	81.1	66.3	63.3	82.9	62.5	59.5	79.0	56.8	55.8	73.3	53.8	52.8	72.1	23.6	23.0	33.1	40.0	40.0	23.0	23.0
8	5.3	5.3	5.3	63.8	60.8	80.8	58.5	55.4	75.5	61.8	58.8	78.7	56.5	53.4	73.3	50.7	49.7	67.5	47.7	46.7	66.3	25.4	24.5	34.4	40.0	40.0	16.9	16.9
10	5.9	6.0	6.0	62.3	59.3	79.2	56.4	53.3	73.2	60.3	57.3	77.1	54.4	51.3	71.1	48.8	47.8	65.5	45.8	44.8	64.3	26.0	25.0	35.7	40.0	40.0	15.0	15.0
16	7.5	7.6	7.5	59.2	56.2	76.3	51.7	48.7	68.8	57.2	54.2	74.0	49.7	46.7	66.5	44.7	43.7	61.5	41.7	40.7	60.2	26.0	25.0	35.7	38.0	38.0	10.9	10.9
20	8.4	8.5	8.4	57.8	54.8	74.6	49.4	46.3	66.2	55.8	52.8	72.4	47.4	44.3	64.1	42.8	41.8	59.6	39.8	38.8	58.3	26.0	25.0	37.0	37.0	37.0	9.0	9.0
25	9.4	9.5	9.4	56.3	53.3	73.0	46.9	43.8	63.7	54.3	51.3	70.9	44.9	41.8	61.5	40.8	39.8	57.6	37.8	36.8	56.3	25.3	24.3	38.1	36.0	36.0	7.0	7.0
31.25	10.6	10.7	10.5	54.9	51.9	71.7	44.3	41.2	61.2	52.9	49.9	69.6	42.3	39.2	59.1	38.9	37.9	55.6	35.9	34.9	54.3	24.6	23.6	38.2	35.1	35.1		
62.5	15.3	15.4	14.9	50.4	47.4	66.2	35.1	32.0	51.3	48.4	45.4	64.1	33.1	30.0	49.2	32.9	31.9	49.3	29.9	28.9	48.1	22.5	21.5	36.6	32.0	32.0		
100	19.7	19.8	19.0	47.3	44.3	63.5	27.6	24.5	44.5	45.3	42.3	61.3	25.6	22.5	42.4	28.8	27.8	44.9	25.8	24.8	43.8	21.1	20.1	33.6	30.0	30.0		
155	25.0	25.2	23.9	44.4	41.4	61.3	19.5	16.3	37.4	42.4	39.4	58.8	17.5	14.3	35.0	25.0	24.0	40.8	22.0	21.0	39.7	19.8	18.8	32.0	28.1	28.1		
200	28.8	29.0	27.3	42.8	39.8	58.9	14.0	10.8	31.6	40.8	37.8	56.9	12.0	8.8	29.6	22.8	21.8	38.6	19.8	18.8	37.5	19.0	18.0	31.1	27.0	27.0		
250	32.6	32.8	30.7	41.3	38.3	56.8	8.7	5.5	26.1	39.3	36.3	54.8	6.7	3.5	24.1	20.8	19.8	36.6	17.8	16.8	35.5	18.3	17.3	30.6	26.0	26.0		
300	36.2		33.9	40.1		55.4	4.0		21.5	38.1		53.5	2.0		19.6	19.3		34.8	16.3		33.7	17.8		30.7				
350	39.5		36.8	39.1		54.3	-0.4		17.5	37.1		52.3	-2.4		15.5	17.9		33.4	14.9		32.1	17.3		31.1				
400	42.7		39.4	38.3		53.0	-4.4		13.5	36.3		51.1	-6.4		11.6	16.8		32.1	13.8		30.8	16.9		32.5				
500			44.7			50.7			6.0			48.7			4.0			28.9			27.6			33.8				
550			44.9			50.9			6.0			48.8			3.9			28.7			27.3			33.6				