Product Specifications

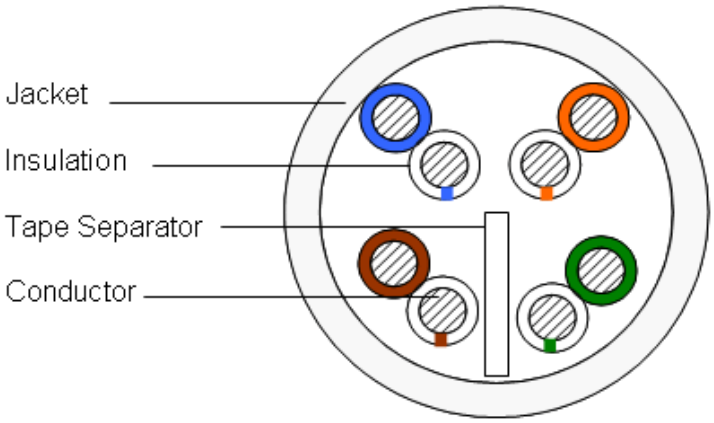
65N4+ WHITE CPK

Material ID: 8471714/10

Media 6® 65N4+ Category 6 U/UTP Cable, non-plenum, white jacket, 4 pair count, 1000 ft (305 m) length, CommPak

CHARACTERISTICS

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	23.58 lb/kft
Diameter Over Jacket	5.588 mm | 0.220 in
Jacket Thickness	0.508 mm | 0.020 in

Uniprise
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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	5.6 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	69 %
Operating Frequency, maximum	250 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	Media 6® | Uniprise®
Cable Component Type	Horizontal
Cable Type	U/UTP (unshielded)
Pairs, quantity	4
Jacket Color	White
Conductor Gauge, singles	23 AWG
Conductor Type, singles	Solid
Conductors, quantity	8
Separator Type	Tape separator
Packaging Type	CommPak® box
Product Number	65N4+

Mechanical Specifications

Pulling Tension, maximum	11 kg | 25 lb

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2002/95/EC	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

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Electrical Performance

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

Freq. MHz	IL	NEXT	ACR	PSNEXT	PSACR	ACRF	PSACRF	RL	TCL	ELTCTL
	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
1	2.0	74.3	72.3	72.3	70.3	67.8	64.8	20.0	40.0	35.0
4	3.8	65.3	61.5	63.3	59.5	55.8	52.8	23.0	40.0	23.0
8	5.3	60.8	55.4	58.8	53.4	49.7	46.7	24.5	40.0	16.9
10	6.0	59.3	53.3	57.3	51.3	47.8	44.8	25.0	40.0	15.0
16	7.6	56.2	48.7	54.2	46.7	43.7	40.7	25.0	38.0	10.9
20	8.5	54.8	46.3	52.8	44.3	41.8	38.8	25.0	37.0	9.0
25	9.5	53.3	43.8	51.3	41.8	39.8	36.8	24.3	36.0	7.0
31.25	10.7	51.9	41.2	49.9	39.2	37.9	34.9	23.6	35.1	
62.5	15.4	47.4	32.0	45.4	30.0	31.9	28.9	21.5	32.0	
100	19.8	44.3	24.5	42.3	22.5	27.8	24.8	20.1	30.0	
155	25.2	41.4	16.3	39.4	14.3	24.0	21.0	18.8	28.1	
200	29.0	39.8	10.8	37.8	8.8	21.8	18.8	18.0	27.0	
250	32.8	38.3	5.5	36.3	3.5	19.8	16.8	17.3	26.0	

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