



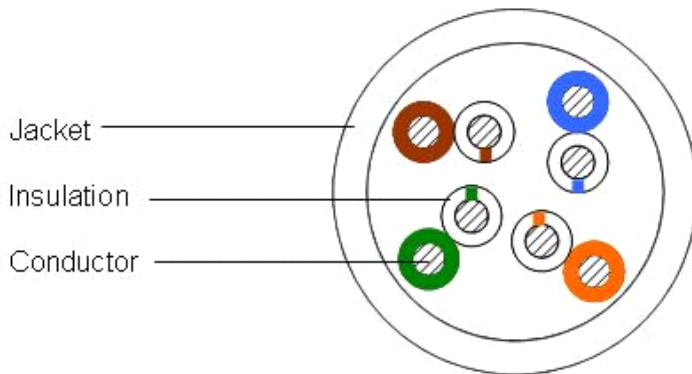
4759114/10 | 5E55 WHITE CPK

Datapipe® 5E55 Category 5e U/UTP Cable, plenum, white jacket, 4 pair count, 1000 ft (305 m) length, CommPak

Product Classification

Portfolio	Uniprise®
Brand	Datapipe®
Product Type	Twisted pair cable
Regional Availability	North America

Cross Section Drawing



Construction Materials

Jacket Material	PVC
Conductor Material	Bare copper
Insulation Material	FEP Polyolefin

Dimensions

Cable Length	305 m 1000 ft
Cable Weight	22.50 lb/kft
Diameter Over Jacket	5.131 mm 0.202 in
Jacket Thickness	0.635 mm 0.025 in

Electrical Specifications

ANSI/TIA Category	5e
Characteristic Impedance	100 ohm
dc Resistance Unbalance, maximum	5 %
dc Resistance, maximum	9.38 ohms/100 m
Delay Skew, maximum	15 ns
Mutual Capacitance	5.6 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	76 %
Operating Frequency, maximum	200 MHz
Transmission Standards	ANSI/TIA-568-C.2 CENELEC EN 50288-3-1 ISO/IEC 11801 Class D
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	Plenum
Smoke Test Method	CMP
Flame Test Method	CMP
Installation Temperature	0 °C to +60 °C (+32 °F to +140 °F)

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Operating Temperature -20 °C to +60 °C (-4 °F to +140 °F)

General Specifications

Cable Type	U/UTP (unshielded)
Packaging Type	CommPak® box
Pairs, quantity	4
Cable Component Type	Horizontal
Jacket Color	White
Product Number	5E55
Brand	Datapipe® Uniprise®
Conductor Gauge, singles	24 AWG
Conductor Type, singles	Solid
Conductors, quantity	8

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



Electrical Performance

- CS CommScope
- 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)

Freq. MHz	IL			NEXT			ACR			PSNEXT			PSACR			ACRF			PSACRF			RL		
	CS	Std	Typ	CS	Std	Typ	CS	Std	Typ	CS	Std	Typ	CS	Std	Typ	CS	Std	Typ	CS	Std	Typ	CS	Std	Typ
1	2.0	2.0	2.1	65.3	65.3	81.5	63.3	63.3	79.4	62.3	62.3	79.2	60.3	60.3	77.1	63.8	63.8	76.4	60.8	60.8	74.7	20.0	20.0	33.5
4	4.1	4.1	3.9	56.3	56.3	72.9	52.2	52.2	69.0	53.3	53.3	70.5	49.2	49.2	66.6	51.8	51.8	64.8	48.8	48.8	63.1	23.0	23.0	33.5
8	5.8	5.8	5.5	51.8	51.8	68.3	46.0	46.0	62.7	48.8	48.8	65.9	43.0	43.0	60.4	45.7	45.7	58.9	42.7	42.7	57.2	24.5	24.5	36.6
10	6.5	6.5	6.2	50.3	50.3	66.7	43.8	43.8	60.6	47.3	47.3	64.2	40.8	40.8	58.1	43.8	43.8	57.0	40.8	40.8	55.3	25.0	25.0	36.7
16	8.2	8.2	7.8	47.2	47.2	63.6	39.0	39.0	55.8	44.2	44.2	61.2	36.0	36.0	53.4	39.7	39.7	52.9	36.7	36.7	51.1	25.0	25.0	38.5
20	9.3	9.3	8.7	45.8	45.8	62.0	36.5	36.5	53.2	42.8	42.8	59.5	33.5	33.5	50.8	37.8	37.8	51.0	34.8	34.8	49.2	25.0	25.0	38.8
25	10.4	10.4	9.8	44.3	44.3	60.3	33.9	33.9	50.5	41.3	41.3	57.9	30.9	30.9	48.2	35.8	35.8	48.9	32.8	32.8	47.2	24.3	24.3	39.4
31.25	11.7	11.7	11.0	42.9	42.9	58.9	31.2	31.2	47.9	39.9	39.9	56.6	28.2	28.2	45.7	33.9	33.9	47.0	30.9	30.9	45.2	23.6	23.6	39.8
62.5	17.0	17.0	15.6	38.4	38.4	54.2	21.4	21.4	38.6	35.4	35.4	51.9	18.4	18.4	36.2	27.9	27.9	40.8	24.9	24.9	39.0	21.5	21.5	34.7
100	22.0	22.0	20.0	35.3	35.3	50.9	13.3	13.3	30.9	32.3	32.3	48.6	10.3	10.3	28.6	23.8	23.8	36.9	20.8	20.8	35.1	20.1	20.1	30.9
155	28.1		25.1	32.4		47.8	4.4		22.7	29.4		45.3	1.4		20.2	20.0		33.1	17.0		31.3	18.8		28.3
200	32.4		28.8	30.8		45.6	-1.6		16.8	27.8		43.3	-4.6		14.5	17.8		30.7	14.8		28.8	18.0		27.6
250			32.4			43.7			11.3			41.4			9.1			28.7			26.8			26.9
300			35.7			42.0			6.3			39.7			4.0			27.0			25.1			26.5
350			38.9			40.5			1.6			38.3			-0.6			25.2			23.3			25.6