

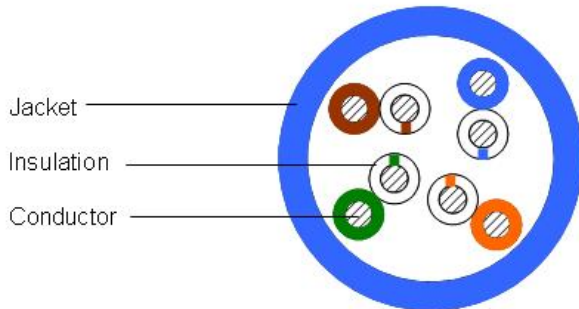


Uniprise Solutions

4656914/10 | 5EN5 BLUE CPK

Datapipe® 5EN5 Category 5e U/UTP Cable, non-plenum, blue jacket, 4 pair count, 1000 ft (305 m) length, CommPak

Cross Section Drawing



Construction Materials

Jacket Material	PVC
Conductor Material	Bare copper
Insulation Material	Polyolefin

Dimensions

Cable Length	305 m 1000 ft
Cable Weight	17.70 lb/kft
Diameter Over Jacket	4.877 mm 0.192 in
Jacket Thickness	0.432 mm 0.017 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)	69 %
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	Non-plenum
Flame Test Method	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

Cable Type	U/UTP (unshielded)
Pairs, quantity	4
Cable Component Type	Horizontal

Product Specifications

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Packaging Type	CommPak® box
Brand	Datapipe® Uniprise®
Jacket Color	Blue
Product Number	5EN5
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)	PSACR	Power Sum Attenuation to Crosstalk Ratio (dB/100m)
NEXT	Near End Crosstalk (dB/100m)	ACRF	Attenuation to Crosstalk Ratio - Far End (dB/100m)
ACR	Attenuation to Crosstalk Ratio (dB/100m)	PSACRF	Power Sum Attenuation to Crosstalk Ratio - Far End (dB/100m)
PSNEXT	Power Sum Near End Crosstalk (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