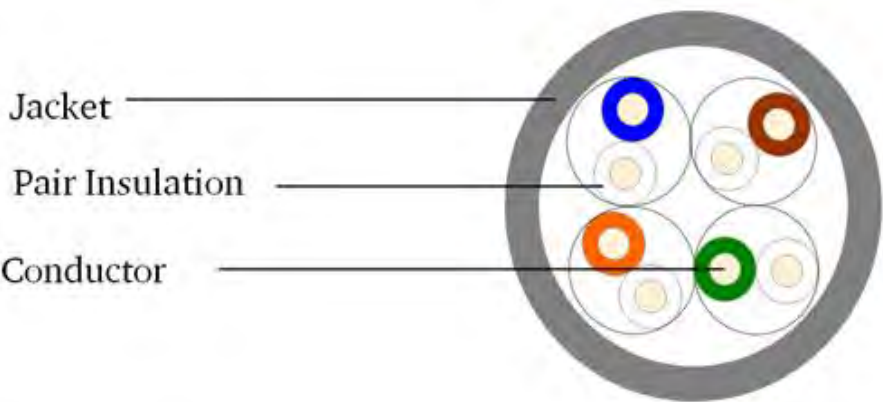




**Uniprise Solutions**  
8460714/10 | 5EN5-i GRAY CPK  
**Datapipe® 5EN5-i Category 5e U/UTP Cable, non-plenum CM rated, gray jacket, 4 pair count, 1000 ft (305 m) length, CommPak**

## Cross Section Drawing



## Construction Materials

Jacket Material	PVC
Conductor Material	Bare copper
Insulation Material	Polyolefin

## Dimensions

Cable Length	305 m   1000 ft
Cable Weight	19.48 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 %

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Operating Frequency, maximum	200 MHz
Operating Voltage, maximum	80 V
Transmission Standards	ANSI/TIA-568-C.2   CENELEC EN 50288-3-1   ISO/IEC 11801 Class D
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	CM
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
Packaging Type	CommPak® box
Brand	Datapipe®   Uniprise®
Jacket Color	Gray
Product Number	5EN5-i
Conductor Gauge, singles	24 AWG
Conductor Type, singles	Solid
Conductors, quantity	8
Ordering Note	Available in Asia Pacific

## 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

CS	CommScope		
Std	Refers to the standard value listed under Transmission Standards in the Electrical Specifications above		
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)

# Product Specifications

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Freq. MHz	IL		NEXT		ACR		PSNEXT		PSACR		ACRF		PSACRF		RL	
	CS	Std	CS	Std	CS	Std	CS	Std	CS	Std	CS	Std	CS	Std	CS	Std
1	2.0	2.0	65.3	65.3	63.3	63.3	62.3	62.3	60.3	60.3	63.8	63.8	60.8	60.8	20.0	20.0
4	4.1	4.1	56.3	56.3	52.2	52.2	53.3	53.3	49.2	49.2	51.8	51.8	48.8	48.8	23.0	23.0
8	5.8	5.8	51.8	51.8	46.0	46.0	48.8	48.8	43.0	43.0	45.7	45.7	42.7	42.7	24.5	24.5
10	6.5	6.5	50.3	50.3	43.8	43.8	47.3	47.3	40.8	40.8	43.8	43.8	40.8	40.8	25.0	25.0
16	8.2	8.2	47.2	47.2	39.0	39.0	44.2	44.2	36.0	36.0	39.7	39.7	36.7	36.7	25.0	25.0
20	9.3	9.3	45.8	45.8	36.5	36.5	42.8	42.8	33.5	33.5	37.8	37.8	34.8	34.8	25.0	25.0
25	10.4	10.4	44.3	44.3	33.9	33.9	41.3	41.3	30.9	30.9	35.8	35.8	32.8	32.8	24.3	24.3
31.25	11.7	11.7	42.9	42.9	31.2	31.2	39.9	39.9	28.2	28.2	33.9	33.9	30.9	30.9	23.6	23.6
62.5	17.0	17.0	38.4	38.4	21.4	21.4	35.4	35.4	18.4	18.4	27.9	27.9	24.9	24.9	21.5	21.5
100	22.0	22.0	35.3	35.3	13.3	13.3	32.3	32.3	10.3	10.3	23.8	23.8	20.8	20.8	20.1	20.1
155	28.1		32.4		4.4		29.4		1.4		20.0		17.0		18.8	
200	32.4		30.8		-1.6		27.8		-4.6		17.8		14.8		18.0	