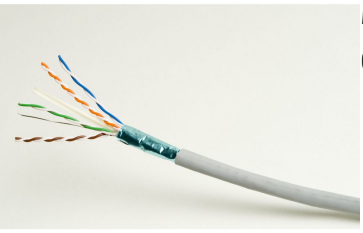
8462904/10 | 65NS4ZH-i GRAY REEL



Media 6® 65NS4ZH-i Category 6 F/UTP Cable, low smoke zero halogen, gray jacket, 4 pair count, 1000 ft (305 m) length, reel

Product Classification

Regional Availability	Asia | Latin America
Portfolio	Uniprise®
Product Type	Twisted pair cable
Product Brand	Media 6®
Ordering Note	Available in Asia Pacific

General Specifications

Product Number	65NS4ZH-i
ANSI/TIA Category	6
Cable Component Type	Horizontal
Cable Type	F/UTP (shielded)
Conductor Type, singles	Solid
Conductors, quantity	8
Drain Wire Type	Solid
Jacket Color	Gray
Note	All electrical transmission tests include swept frequency measurements
Pairs, quantity	4
Separator Type	Isolator
Transmission Standards	ANSI/TIA-568.2-D | CENELEC EN 50288-6-1 | ISO/IEC 11801 Class E

Dimensions

Cable Length	304.8 m | 1000 ft
Diameter Over Jacket, nominal	7.214 mm | 0.284 in
Jacket Thickness	0.483 mm | 0.019 in

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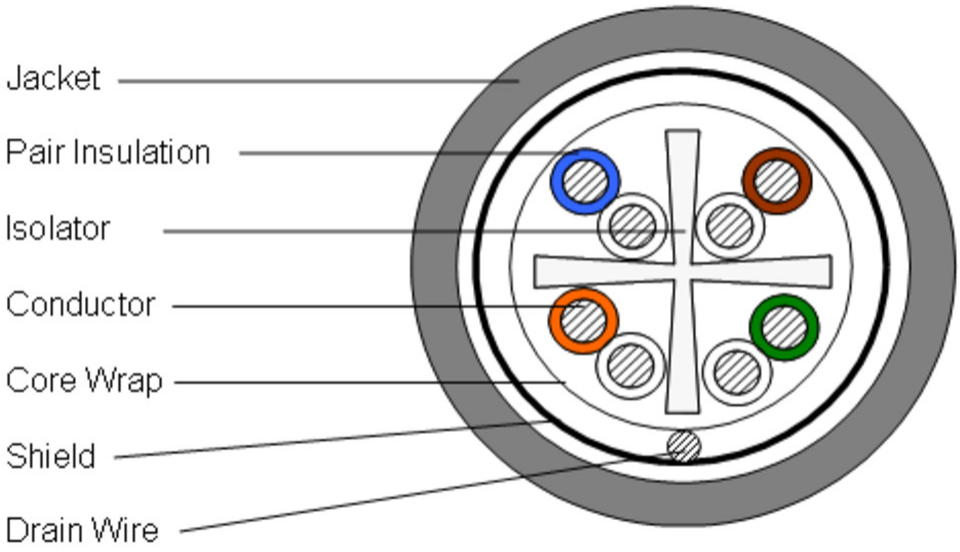
Conductor Gauge, singles	23 AWG
Drain Wire Gauge	26 AWG

Cross Section Drawing



Electrical Specifications

Characteristic Impedance	100 ohm
dc Resistance Unbalance, maximum	5 %
dc Resistance, maximum	9.38 ohms/100 m | 2.859 ohms/100 ft
Delay Skew, maximum	45 ns
Dielectric Strength, minimum	1500 Vac | 2500 Vdc
Mutual Capacitance at Frequency	5.6 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	69 %
Operating Frequency, maximum	250 MHz
Operating Voltage, maximum	80 V
Remote Powering	Fully complies with the recommendations set forth by IEEE 802.3bt (Type 4) for the safe delivery of power over LAN cable when installed according to ISO/IEC 14763-2, CENELEC EN 50174-1, CENELEC EN 50174-2 or TIA TSB-184-A

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Electrical Cable Performance

CS	CommScope
STD	Refers to the standard value listed under Transmission Standards in the Electrical Specifications above
TYP	Typical Electrical Performance
IL	Insertion Loss (dB/100m)
ACR	Attenuation to Crosstalk Ratio (dB/100m)
PSACR	Power Sum Attenuation to Crosstalk Ratio (dB/100m)
PSACRF	Power Sum Attenuation to Crosstalk Ratio - Far End (dB/100m)
TCL	Transverse Conversion Loss (dB/100m)
NEXT	Near End Crosstalk (dB/100m)
PSNEXT	Power Sum Near End Crosstalk (db/100m)
ACRF	Attenuation to Crosstalk Ratio - Far End (dB/100m)
RL	Return Loss (dB)
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	74.3	72.3	72.3	70.3	67.8	64.8	20	40	35
4	3.8	65.3	61.5	63.3	59.5	55.8	52.8	23	40	23
8	5.3	60.8	55.4	58.8	53.4	49.7	46.7	24.5	40	16.9
10	6	59.3	53.3	57.3	51.3	47.8	44.8	25	40	15
16	7.6	56.2	48.7	54.2	46.7	43.7	40.7	25	38	10.9
20	8.5	54.8	46.3	52.8	44.3	41.8	38.8	25	37	9
25	9.5	53.3	43.8	51.3	41.8	39.8	36.8	24.3	36	7
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	45.4	30	31.9	28.9	21.5	32	
100	19.8	44.3	24.5	42.3	22.5	27.8	24.8	20.1	30	
155	25.2	41.4	16.3	39.4	14.3	24	21	18.8	28.1	
200	29	39.8	10.8	37.8	8.8	21.8	18.8	18	27	
250	32.8	38.3	5.5	36.3	3.5	19.8	16.8	17.3	26	

Material Specifications

Conductor Material	Bare copper
Drain Wire Material	Tinned copper
Insulation Material	Polyolefin
Jacket Material	Low Smoke Zero Halogen (LSZH)
Separator Material	Polyolefin
Shield (Tape) Material	Polyester/Aluminum shield

Mechanical Specifications

Pulling Tension, maximum	11.34 kg | 25 lb

Environmental Specifications

Installation temperature	0 °C to +60 °C (+32 °F to +140 °F)
Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)

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Acid Gas Test Method	IEC 60754-2
Environmental Space	Low Smoke Zero Halogen (LSZH)
Flame Test Method	IEC 60332-3-22
Smoke Test Method	IEC 61034-2

Packaging and Weights

Cable weight	49.853 kg/km | 33.5 lb/kft
Packaging Type	Reel

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

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