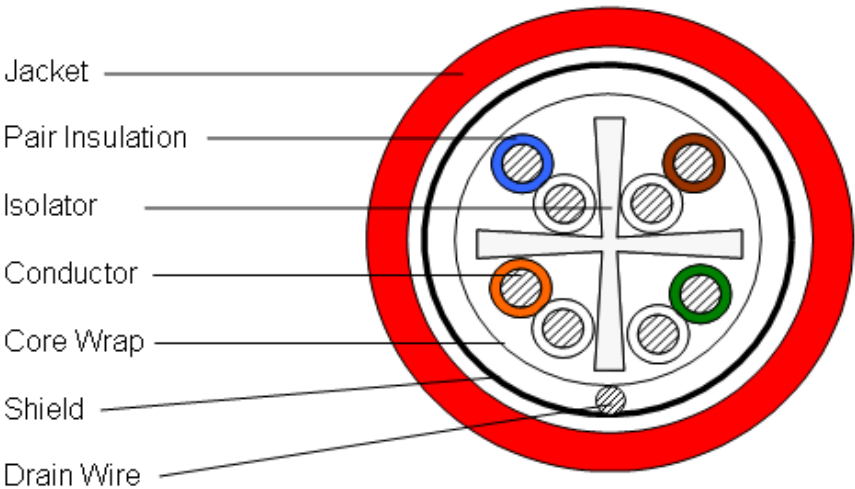




8859304/10 | 65NS4+ RED REEL

Media 6® 65NS4+ Category 6 F/UTP Cable, non-plenum, red jacket, 4 pair count, 1000 ft (305 m) length, reel

## Cross Section Drawing



## Construction Materials

Jacket Material	PVC
Conductor Material	Bare copper
Drain Wire Material	Tinned copper
Insulation Material	Polyolefin
Separator Material	Polyolefin
Shield (Tape) Material	Polyester/Aluminum shield

## Dimensions

Cable Length	305 m   1000 ft
Cable Weight	34.10 lb/kft
Diameter Over Jacket	7.315 mm   0.288 in
Jacket Thickness	0.508 mm   0.020 in

## Electrical Specifications

ANSI/TIA Category	6
Characteristic Impedance	100 ohm
dc Resistance Unbalance, maximum	5 %
dc Resistance, maximum	9.38 ohms/100 m
Delay Skew, maximum	45 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

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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	F/UTP (shielded)
Pairs, quantity	4
Cable Component Type	Horizontal
Packaging Type	Reel
Brand	Media 6®   Uniprise®
Jacket Color	Red
Product Number	65NS4+
Conductor Gauge, singles	23 AWG
Conductor Type, singles	Solid
Conductors, quantity	8
Drain Wire Gauge	24 AWG
Drain Wire Type	Solid
Separator Type	Isolator

## 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

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

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)

TCL Transverse Conversion Loss (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	