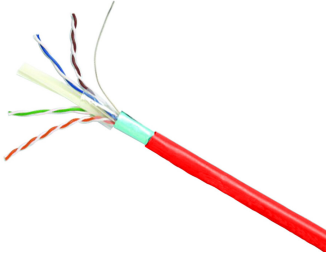


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CS44Z3 Category 6A, F/UTP Cable, low smoke zero halogen, red jacket, 4 pair count, ANATEL, 1000ft (305 m) length reel

Product Classification

Regional Availability	Latin America
Portfolio	NETCONNECT®
Product Type	Twisted pair cable

General Specifications

ANSI/TIA Category	6A
Cable Component Type	Horizontal
Cable Type	F/UTP (shielded)
Conductor Type, singles	Solid
Conductors, quantity	8
Jacket Color	Red
Pairs, quantity	4
Transmission Standards	ANSI/TIA-568.2-D Anatel CENELEC EN 50288-6-1 ISO/IEC 11801 Class EA

Dimensions

Cable Length	304.8 m 1000 ft
Diameter Over Jacket, nominal	7.595 mm 0.299 in
Conductor Gauge, singles	23 AWG

Electrical Specifications

Characteristic Impedance	100 ohm
Characteristic Impedance Tolerance	±15 ohm
Delay Skew, maximum	45 ns
Dielectric Strength, minimum	1500 Vac 2500 Vdc
Mutual Capacitance at Frequency	5.6 nF/100 m @ 1 kHz

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Nominal Velocity of Propagation (NVP)	69 %
Operating Frequency, maximum	500 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
Segregation Class	C

Electrical Cable Performance

CS	CommScope	NEXT	Near End Crosstalk (dB/100m)
STD	Refers to the standard value listed under Transmission Standards in the Electrical Specifications above	PSNEXT	Power Sum Near End Crosstalk (db/100m)
TYP	Typical Electrical Performance	ACRF	Attenuation to Crosstalk Ratio - Far End (dB/100m)
IL	Insertion Loss (dB/100m)	RL	Return Loss (dB)
ACR	Attenuation to Crosstalk Ratio (dB/100m)	ELTCTL	Equal Level Transverse Conversion Transfer Loss (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)		

Freq. MHz	IL	NEXT	PSNEXT	ACRF	PSACRF	RL
	STD	STD	STD	STD	STD	STD
1	2.1	74.3	72.3	67.8	64.8	20
4	3.8	65.3	63.3	55.8	52.8	23
8	5.3	60.8	58.8	49.7	46.7	24.5
10	5.9	59.3	57.3	47.8	44.8	25
16	7.5	56.2	54.2	43.7	40.7	25
20	8.4	54.8	52.8	41.8	38.8	25
25	9.4	53.3	51.3	39.8	36.8	24.3
31.25	10.5	51.9	49.9	37.9	34.9	23.6
62.5	15	47.4	45.4	31.9	28.9	21.5
100	19.1	44.3	42.3	27.8	24.8	20.1
200	27.6	39.8	37.8	21.8	18.8	18
250	31.1	38.3	36.3	19.8	16.8	17.3
300	34.3	37.1	35.1	18.3	15.3	16.8
400	40.1	35.3	33.3	15.8	12.8	15.9
500	45.3	33.8	31.8	13.8	10.8	15.2

Material Specifications

Conductor Material	Bare copper
Insulation Material	Polyolefin
Jacket Material	Low Smoke Zero Halogen (LSZH)
Shield (Tape) Material	Aluminum/Polyester

Mechanical Specifications

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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 +75 °C (-4 °F to +167 °F)
Acid Gas Test Method IEC 60754-2
Flame Test Method IEC 60332-3-25
Smoke Test Method IEC 61034-2

Packaging and Weights

Packaging Type Reel