

CAT7

Cat7 Indoor/Outdoor Ethernet Solid Bare Copper

SKU: RCT-C7-IO-SFTP-BC-BK

23AWG • 4 Twisted Pairs • CMP
• S/FTP 850MHz • Solid Bare Copper

**Available color**

Our CAT 7 indoor/outdoor 10G (S/FTP) high performance data communications cable has voice, data, video and security capabilities and is ideal for a network installation. This cable is designed for indoor or outdoor type installations. This cable has 4 pairs of 23AWG solid bare copper conductors, Individually shielded pairs with an over all TC braiding, and a LSZH Jacket. This cable is sold in 1000 ft increments on a wooden spool.

Applications

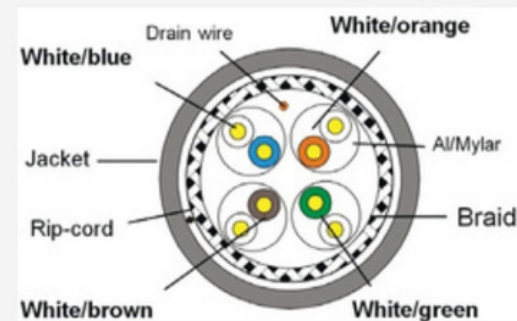
- 10/100/1000Base-T
- 100Base-VG
- 155 Mbps and 622-Mbps ATM
- Other high-performance applications

Compliance

- ISO/IEC 61156-5;EN 50288-4, YD/T1019
- TIA/EIA-568-C.2 category 7
- RoHS compliance for the requirement of European Union Issued Directive 2002/95/EC

Physical Characteristics

- Conductor Size: 23AWG
- Conductor Material: Solid Bare Copper
- Insulation Material: Skin-Foam-Skin Polyethylene
- Insulation Diameter: $1.330 \pm 0.05\text{mm}$
- Number of Conductors: 8 Conductors / 4 Pairs
- Inner Pair Shielding: AL/Mylar
- Outer Shield Material: TC Braiding
- Drain Wire: TC 0.45 mm
- Outer Jacket Material: LSZH (meets IEC60332-1 standard)
- Outer Jacket Diameter: $7.5\text{mm} \pm 0.5\text{mm}$



Cable Features

- Tested to 850MHz
- Meets or exceeds CAT 7 T568C.2 standards
- Easy to use wooden spool
- Cable is marked in descending order so you always know how much cable is left
- Extra headroom provides room for growth
- Low attenuation and power-sum crosstalk

Construction Facts

- The cable jacket is UV outdoor rated.
- AL shielding is used to help eliminate any interference.
- Longitudinal rip cord for easy jacket opening

Cable Put-Ups:

- Cable is supplied in 1000ft increments on a wooden spool



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CAT7 10Gig Solid Bulk Cable Electrical Specifications

Frequency MHz (Maximum)	ATT dB/100 m (328 ft.) (Maximum)	ACR dB/100 m (328 ft.) (Maximum)	DELAY ns/100 m (328 ft.) (Minimum)	NEXT dB/100 m (328 ft.) (Minimum)	PS-NEXT dB/100 m (328 ft.) (Minimum)	ELFEXT dB/100 m (328 ft.) (Minimum)	PS-ELFEXT dB/100 m (328 ft.) (Minimum)	Return Loss dB (Minimum)
1	N/A	N/A	570.0	78.0	75.0	78.0	75.0	20.0
4	3.74	N/A	552.0	78.0	75.0	78.0	75.0	23.0
8	5.24	N/A	546.7	78.0	75.0	75.9	72.9	24.5
10	5.86	N/A	545.4	78.0	75.0	74.0	71.0	25.0
16	7.41	N/A	543.0	78.0	75.0	69.9	66.9	25.0
20	8.29	N/A	542.0	78.0	75.0	68.0	65.0	25.0
25	9.29	N/A	541.2	78.0	75.0	66.0	63.0	24.3
31.25	10.41	N/A	540.4	78.0	75.0	64.1	61.1	23.6
62.50	14.88	N/A	538.6	75.5	72.5	58.1	55.1	21.5
100	19.02	N/A	537.6	72.4	69.4	54.0	51.0	20.1
150	23.58	N/A	536.9	69.8	66.8	50.2	47.2	18.9
200	27.47	N/A	536.5	67.9	64.9	48.0	45.0	18.0
250	30.97	N/A	536.3	66.4	63.4	46.0	43.0	17.3
300	34.19	N/A	536.1	65.2	62.2	44.5	41.5	17.3
600	50.10	N/A	535.5	60.7	57.7	38.4	35.4	17.3
700	54.63	N/A	535.4	59.7	56.7	37.1	34.1	14.2
1000	66.93	N/A	535.1	57.3	54.4	34.0	31.0	13.1

