

CC 7000



Technical data

- **Maximum conductor resistance at 20°C (Ohm/km):** 7.32
- **Minimum insulation DC resistance at 20°C (MΩ x km):** 200
- **Temperature rating (°C):** 60
- **Nominal voltage (V):** 30
- **Capacitance (pF/m):** 56
- **Velocity ratio (%):** 82.5
- **Impedance (Ω):** 75±3
- **Capacitance (pF/m):** <70

Cable structure

- **Conductors:** solid bare copper, diameter 0.60 mm.
- **Insulation:** foam PE, diameter 2.80 mm
- **Shield:** Al-PET and tinned copper braiding
- **Sheath:** LSZH, diameter 4.5 mm
- **Multi-core coax cables are available;** typically 4, 8, 16 and 32 cores

Application

CC 7000 is a flexible cable which runs up to 250 m at 34 Mbit/s. It is also capable to run over 100 m at 155 Mbit/s. It is ideal for use on HDC systems and VoIP application;

Summary of transmission distance:

Transmission Rate(Mbit/s)	2	8	34	140	155
CC 8000	280 m	160 m	140 m	80 m	60 m
CC 7000	N/A	250 m	250 m	125 m	115 m

CC7000 cable diameter for different cores

	Single Core	4 Core	8 Core	12 Core	16 Core	32 Core
CC7000	4.50 mm	12.75 mm	17.20 mm	21.40 mm	24.25 mm	33.45 mm

Attenuation at 20°C (dB/100m)

at 1MHz	2.406
at 5MHz	3.938
at 10MHz	4.966
at 30MHz	7.384
at 100MHz	12.156
at 135MHz	13.796
at 180MHz	15.502
at 270MHz	16.172
at 360MHz	17.370