

CC 8000



Technical data

- **Maximum conductor resistance at 20°C(Ohm/km):** 23.6
- **Minimum insulation DC resistance at 20°C (MΩm x km):** 200
- **Temperature rating (°C):** 60
- **Nominal voltage (V):** 30
- **Capacitance (pF/m):** 56
- **Velocity ratio (%):** 82
- **Impedance (Ωm):** 75±3
- **Capacitance (pF/m):** 56

Cable structure

- **Conductors:** solid bare copper, diameter 0.31 mm.
- **Insulation:** foam PE, diameter 1.45 mm
- **Shield:** Al-PET and tinned copper braiding
- **Sheath:** LSZH, diameter 2.75 mm
- **Multi-core coax cables are available;** typically 4, 8, 16 and 32 cores

Application

CC 8000 is a high performance alternative to BT 3002 with a much smaller overall diameter, and suitable for 2 Mbit/s 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

CC8000 cable diameter for different cores

	Single Core	4 Core	8 Core	12 Core	16 Core	32 Core
CC8000	2.75 mm	8.25 mm	10.00 mm	13.30 mm	14.85 mm	20.55 mm

Attenuation at 20°C (dB/100m)

at 1MHz	2.00
at 4MHz	4.15
at 17MHz	8.42
at 69MHz	15.02
at 78MHz	15.70