VIAVI

VIAVI Solutions

VIAVI
Coax Mapper

Cable Tester

The Coax Mapper is a handheld tester for CATV, security system, and other coax system installers and technicians who need to map coax installations. Used in conjunction with the included remote terminators, the Coax Mapper displays PASS, OPEN, or SHORT with just one test button on the main unit. One button also initiates a tone signal.

CoaxMapper will not test cable runs with AC or DC voltage present. It will not test cable runs with amplifiers, isolation splitters, attenuators, directional line taps, power dividers, or matching transformers.

Features

- Tests coax cable with F-connectors or BNC connectors
- Detects and displays OPEN or SHORT conditions
- Displays PASS when no failures are indicated for each remote
- Includes four remote terminators: No. 1 brown, No. 2 red, No. 3 orange, and No. 4 yellow
- Sends tone signal to center pin of coax cable

Applications

- Tests multi-run coax systems terminated with F-connectors
- Maps runs to a central bundle
- Tones coax cable
- Identifies coax cables connected to a splitter

Specifications

Electrical	
Automatic power off	
After PASS / FAIL results	12 s
In Tone mode	30 min
Maximum DC cable resistance (shield plus center conductor)	100Ω
Minimum cable length for testing	0 m (0 ft)
Maximum cable length for testing (see cable length reference chart below)	1,000 m (3,000 ft)

Coax Type	Belden P/N	Center + Shield	Maximum Length
RG-58A/U	8259	14.9Ω/1,000 ft	2.045 km (6,710 ft)
RG-59/U	9310	24.1Ω/1,000 ft	1.265 km (4,150 ft)
RG-59/U	9259	23.5Ω/1,000 ft	1.297 km (4,255 ft)
RG-59/U	8241A	49.7Ω/1,000 ft	628 m (2,010 ft)
RG-59/U	9275	78.5Ω/1,000 ft	398 m (1,275 ft)

Note: The Coax Mapper will not test cable runs with power amplifiers, isolation splitters, attenuators, directional line taps, power dividers, and matching transformers.

Ordering Information

Coax Mapper Cable Tester	CX200
Includes set of four (1–4) coax cable test remotes, four F-connector jack to BNC jack adapters, F-connector plug to BNC jack adapter, and 6-volt battery.	
Accessories	
Terminators No. 1 to No. 4: brown, red, orange, and yellow (included with CX200)	CX30
Terminator No. 1 brown	CX31
Terminator No. 2 red	CX32
Terminator No. 3 orange	CX33
Terminator No. 4 yellow	CX34
Batteries 6-volt (32 pieces) CX35	CX35

Warranty

VIAVI guarantees that its products will be free of all defects in material and workmanship.This warranty extends for the period of 12 months for test instruments and 3 months for cables from date of manufacture or purchase (proof of purchase required).

All products deemed defective under this warranty will be repaired or replaced at the discretion of VIAVI. No further warranties either implied or expressed will apply, nor will VIAVI assume responsibility for operation of this device.