

Type of Instrument	C.A 7024	C.A 7026	C.A 7028
	Fault Mapper	Fault Mapper Pro	Wire Mapper Pro
	Alphanumeric TDR (time-domain reflectometer)	Graphic TDR	LAN wiring tester
Maximum distance	2 000 m - 6000 ft	3500 m - 11700 ft	150 m - 500 ft
Types of cables tested	shielded, coaxial, twisted pairs, multiconductor		UTP & STP (SSTP & FTP) as per TIA568 A/B, ISO, EN, USOC and RNIS standards
Cable selection	internal library	Automatic impedance selection	UTP, STP
Relative propagation velocity	manual selection for the cable to be tested, from 0 to 99%		
Cable impedance	automatic selection	selected from among 50, 75, and 100 Ohm	
Faults detected	open circuits and short-circuits	short-circuits, open circuits, shunts, junctions, deterioration caused by infiltration of water and other impedance anomalies	open-circuit, short-circuited, crossed, or separated pairs, short-circuits between pairs, pair inversions, and shield/screen continuity
			end of installed link or connecting wire containing faults; fault detection
Measurement	display of distance to fault		location with a sound-emitting probe
	length of cables (in m or ft)		
Test modes	Single pulse	pulse mode: one test pulse emitted for each press	Length of cable or link (in m or ft)
		continuous mode: several test pulses per second	
Resolution	0.1 m up to 100 m, then 1 m	Approximately 1% of range selected	
Accuracy	+/- 2% if relative propagation velocity correctly configured	+/- 1% of range if relative propagation velocity correctly configured	+/- 5% of length
Display	alphanumeric LCD screen 128 x 64 pixels	graphic LCD screen 128 x 64 pixels	
Protection / Safety	voltage alert (> 10 V AC/DC) and test stopped		alerting of active services on the cable
Cable location and Identification	built-in sound frequency generator		
Dimensions	165 x 90 x 37 mm		emitter: 165 x 90 x 37 mm identifier: 65 x 52 x 25 mm
Mass	350 g		350 g / 40 g
Environmental conditions	Storage temperature: -20 to +70°C (-4 to +158°F)		
	Operating temperature: 0 to +40°C (32 to +112°F)		
Protection	IP 54 - ABS housing		
Delivery condition	test wires with alligator clips / carrying case		2 RJ 45 cords / 1 Identifier / carrying case
Power supply / Battery life	4 AA batteries (1.5 V) / 7.5 h in continuous use; 4,000 hours on standby		4 AA batteries (1.5 V) / > 100 hours in continuous use
Standards	safety: IEC61010-1/EN 60950 - EMC: BS/EN 61326 -1 - CE		