



OPTICAL FIBER CABLE CRUSH & CUT THROUGH TESTING MACHINE

Torontech's Optical Fiber Cable Crush & Cut through Testing Machine complies with employs an IEC-60794-1-2 Method E3/E12 to perform compression (Crush) test on optical cables.

Cable is laid to rest under compression as per detailed specifications, and then the attenuation of fiber optics is measured. It employs servo-controlled system to apply compressive force on the cable in constant speed and maintains the compression force in specified period.

The plate is mounted on the bottom of moveable crosshead which allows a sample of cable to be crushed between a flat steel base plate and movable steel plate which applies the crushing force uniformly over the length of the sample.

APPLICATIONS

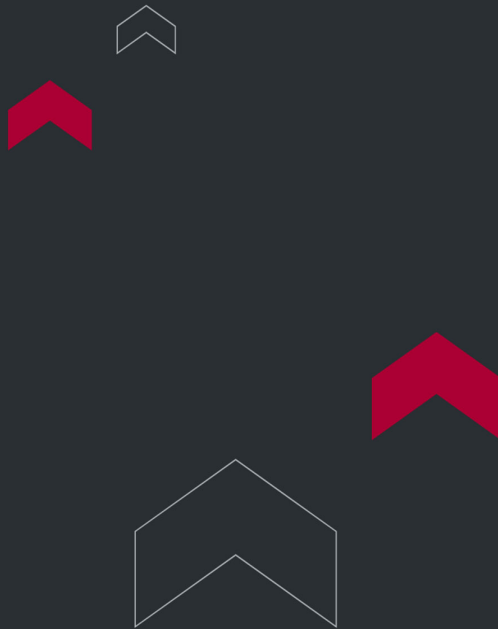
- **Telecommunication Cables** - Evaluates resistance to compressive forces during installation and service.
- **Underground and Buried Cables** - Confirms durability under soil pressure and external load conditions.
- **Armored and Outdoor Fiber Optics** - Tests impact of heavy loads or accidental crushing in harsh environments.
- **Elevator and Vertical Transport Systems** - Ensures cables withstand compression within confined routing paths.
- **Industrial and Factory Cabling** - Validates performance where cables may be exposed to machinery or structural pressure.
- **Automotive and Rail Wiring** - Assesses cable strength under compression and cut-through stress in transport applications.
- **Laboratories and Quality Assurance** - Provides standardized IEC 60794-1-2 E3/E12 testing for certification and compliance.

TECHNICAL SPECIFICATIONS

Model	TT-OFCCC
-------	----------

Crush Load capacity	10KN			
Crosshead travel	200 mm			
Loading speed	0.01 - 500 mm/min			
Accuracy				
Accuracy class	±0.5% - ISO 7500-1, EN 10002-2,ASTM E4, JIS B7721			
Load measuring accuracy	±0.5% of reading to 1/100 of load weighing system capacity meets or exceeds the requirements of the following standards: ISO 7500-1, EN 10002-2, ASTM E4			
Displacement measuring accuracy	±0.3%			
Position measurement accuracy	±0.01% of reading or 0.0001 mm, whichever is greater			
Operating Temperature:	0 to +38°C (+32 to +100°F)			
Humidity Range:	10% to 90% non-condensing			
Storage Temperature:	-40 to +66°C (-40 to +150°F)			
Mass of weights	Bracket 5 N x 2, Mass 5 N x 2, Mass 10 N x 2			
Mass of counter weights	5 N x 2, 10 N x 2			
Power supply	Please specify voltage and frequency before placing the order. Power must be free of spikes and surges exceeding 10% of the nominal voltage)			
Operational space (WxDxH) mm	2000 x 1800 x 1400			
Dimension/Weight	Machine		Shipping Package	
	Dimensions (LxWxH) mm	Net Weight Kg	Dimensions (LxWxH) mm	Gross Weight Kg
Load frame	400 x 400 x 1000	60	500 x 500 x 1500	80

PC + Table	1500 x 800 x 400	50	900 x 900 x 1100	70
------------	------------------	----	------------------	----



Torontech Inc.

251 Consumers Road, Suite 1200
Toronto, Ontario, M2J 4R3, Canada 

Phone: +1 416 368 2721 | Fax: +1 416 981 7652
Email: info@torontech.com

Torontech, LLC

601 Brickell Key Drive, Suite 700
Miami, FL 33131, USA 

Toll-Free: 1-866-383-7919
Email: sales@torontech.com

Torontech ME FZE

Meydan Grandstand, 6th Floor,
Meydan Road, Nad Al Sheba,
Dubai-261440, UAE 

Phone: +971 488 19252
Email: me@torontech.com

