Fiber Marking & Locating

Protect your Fiber Network!

Ensure your buried networks are precisely found.

FAST

92kHz Fiber OmniMarker™ can be placed in any orientation. Fiber enhanced Marker Mate's scan mode can locate all 9 electric utilities simultaneously.

ACCURATE

The 3 orthogonally mounted coils of the OmniMarker™ produce a stronger signal and the Marker-Mate's pinpoint feature can detect precise location.

RELIABLE

No MSDS for our OmniMarkers™ means no fluids to be spilled which reduces mitigation cost and the Marker Mate's ability to detect all marker brands mean you only need one tool.

NEW PRODUCT

92kHz Fiber
OmniMarker™

Marker-Mate

BENEFITS

Fiber Omni-Marker

- **Easy to use:** Does not require any particular orientation when buried and fits into standard 4 inch trench with NO EXTRA DIGGING.
- **Reliable:** No floating parts or liquids to contaminate the environment.

Marker-Mate

- **The Right Tool:** The scan mode and pinpoint accuracy within the EML-100 reduces time locating OmniMarker™, UniMarker™ and other markers made to industry standard frequencies.
- **Accurate:** User-Adjustable detection threshold is shown in bar graph, numerica and audible signal strength options and is equipped with battery warnings within its rugged design.

GENERAL	
Housing Material	High density welded polyethylene
Identification	Solid moulded colour and moulded text
Detection Range	1.5 m typical (5 ft) for all models (using Greenlee EML-100 or RD8000MRX)
US Patents	5,699,048 and 6,097,293
ELECTRICAL	
Detection Field	Dipole (Uni Marker model), Spherical (Omni Marker model)
Frequency tolerance	± 0.35 %
Detection Offset	15 cm (6") maximum at 1.5 m (5 ft)
MECHANICAL	
Overall Diameter	115 mm (4½") max
Minimum Trench Width	100 mm (4") Omni Marker case is dimpled to allow this 115 mm (4½") for UniMarker devices
Anchoring	Two "tie down" loops along flange. UniMarker devices are supplied with a mounting clip
Detection Offset (for OmniMarker or horizontally mounted UniMarker)	15 cm (6") maximum at 1.5 m (5 ft)

Weight	136 g (0.3 lb) OmniMarker models 70 g (2½ oz) UniMarker models
Interior Foam (OmniMarker models only)	Ensures precise mechanical alignment of the coils and structural strength.
ENVIRONMENTAL	
Water Penetration	Housing welded leak tight. Pressure tested at production.
Crush strength	35 pounds (155 N) applied with 0.187" (4.75 mm) radius point causes less than 0.25" (6 mm) deflection. 400 pounds (1780 N) uniformly distributed load with 1.5" (40 mm) aggregate.
Puncture resistance	22 pounds (100 N) applied with a point that has a 1/64 Inch (0.4 mm) radius.
Chemical Resistance	High density polyethylene has good resistance to non-oxidising acids, alkalis and solvents (tested with diesel fuel, gasoline, alcohol, acetone and motor oil).
Drop and Shock Resistance	20 foot (6 m) drop on concrete
Interior Foam (OmniMarkers only)	Provides mechanical alignment of the coils and structural strength.
Temperature	-30 C to +65 C (operation), -40 C to +75 C (storage)
UV Resistance	1 year direct sunlight (simulating storage)

ORDERING INFORMATION

CAT NO.	DESCRIPTION
EML100	Marker Mate Locator

MARKER BALLS

COLOUR(S)		FREQ. (kHz)	COMMON USE	UNIMARKER	UPC #	OMNIMARKER	UPC #
Yellow	Black	92.0	Fiber Optic	Model 183	07167	Model 180	05160
Purple.		66.35	Non-potable water	Model 178	11059	Model 168	11050
Orange	Black	77.0	Cable TV	Model 175	60776	Model 165	60770
Yellow		83.0	Gas	Model 174	60775	Model 164	60769
Orange		101.4	Telephone	Model 173	60774	Model 163	60768
Green		121.6	Sanitary	Model 172	60773	Model 162	60767
Red	Blue	134.0	European Power	Model 182	07161	Model 181	05160
Blue		145.7	Water	Model 171	60772	Model 161	60766
Red		169.8	Power	Model 170	60771	Model 160	60765

NEW