

PRODUCT SPECIFICATION

PRODUCT: 3M EMS RFID Passive Marker Balls

3M EMS RFID Passive Marker Balls (READ ONLY). Bury Depth 1.5m

CODE	PRODUCT DESCRIPTION	COLOUR	UNIT MEASURE	UNIT WEIGHT
1401-XR	EMS Ball Marker Passive Telephone	Orange	ball	0.35
1402-XR	EMS Ball Marker Passive Power	Red	ball	0.35
1403-XR	EMS Ball Marker Passive Water	Blue	ball	0.35
1404-XR	EMS Ball Marker Passive Wastewater	Green	ball	0.35
1405-XR	EMS Ball Marker Passive Gas	Yellow	ball	0.35
1408-XR	EMS Ball Marker Passive Rec Water	Purple	ball	0.35

3M EMS RFID Programmable Marker Balls (READ/WRITE). Bury Depth 1.5m

CODE	PRODUCT DESCRIPTION	COLOUR	UNIT MEASURE	UNIT WEIGHT
1421-XR/ID	EMS Ball Marker Programmable Telephone	Orange	ball	0.35
1422-XR/ID	EMS Ball Marker Programmable Power	Red	ball	0.35
1423-XR/ID	EMS Ball Marker Programmable Water	Blue	ball	0.35
1424-XR/ID	EMS Ball Marker Programmable Wastewater	Green	ball	0.35
1425-XR/ID	EMS Ball Marker Programmable Gas	Yellow	ball	0.35
1428-XR/ID	EMS Ball Marker Programmable Rec Water	Purple	ball	0.35

PRODUCT INFORMATION

3M™ Ball Markers make precisely locating underground facilities easier. Other buried markers can be disturbed by backfill dirt or installed improperly, so that they don't stay positioned correctly. The 3M ball marker's unique self-leveling design ensures the marker is always in an accurate, horizontal position regardless of how it is placed into the ground.

The addition of 3M-iD markers enables facility data to be stored in the marker, to ensure positive identification of facilities. The pre-programmed unique serial number integrates with back office mapping and GIS systems when used for mapping new and legacy assets and points of special interest for construction and maintenance applications.

The ball marker is buried over key facilities during construction or maintenance. Later, the marker is easily and accurately located using a Radiodetection Locator. The locator transmits a signal to the buried marker. The marker returns the signal to the locator, indicating the marker's exact position, giving both a visual reading and an audible tone.

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FEATURES	BENEFITS
Accurate even in congested areas	Helps eliminate mislocates
Underground marker	Protected from damage from above-ground environment
Durable	Long-lasting passive antenna encased in waterproof shell helps identify underground facilities for years to come
Frequency- and color-coded	Helps identify specific utility
Easy to Use	Minimal training
RFiD capability	Positive identification using facility information

PHYSICAL SPECIFICATIONS	
Size	10.4 cm diameter
Weight	Net: 0.35 kg / Shipping: 10.4 kg
Packaging	30 per carton
3M iD Markers Read Range	1.2 m (Tel, Gas, WW, Comm)/1.0 m (Pwr, Wtr)
3M Passive Markers Detection Range	1.5m

ENVIRONMENTAL SPECIFICATIONS	
Operating Temperature	10.4 cm diameter
Storage Temperature	Net: 0.35 kg / Shipping: 10.4 kg
Packaging	30 per carton
3M iD Markers Read Range	1.2 m (Tel, Gas, WW, Comm)/1.0 m (Pwr, Wtr)
3M Passive Markers Detection Range	1.5m

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