

Detectable Buried Barricade Tapes 400 Series

Data Sheet June 2010

Description

Scotch[®] Detectable Buried Barricade Tapes 400 Series are nominal 5-mil tapes, constructed of a solid aluminum foil backing with a clear film laminate. The aluminum backing helps make underground assets easier to locate when using a non-ferrous locator. These tapes are color-coded to meet or exceed the industry standards, including the American Public Works Association (APWA).

Agency Approvals & Self Certifications

Meets the requirements of:

RoHS 2002/95/EC



"RoHS Compliant 2002/95/EC" means that the product or part ("Product") does not contain any of the substances in excess of the maximum concentration values in EU Directive 2002/95/EC, as amended by Commission Decision 2002/618/EC, unless the substance is in an application that is exempt under RoHS. This information represents 3M's knowledge and belief, which may be based in whole or in part on information provided by third party suppliers to 3M.

Typical Properties

Not for specifications. Values are typical, not to be considered minimum or maximum. Properties measured at room temperature 73°F (23°C) unless otherwise stated.

Physical Property (Test Method)	Typical Value US units (metric)			
Color and Width	Variable (see availability chart)			
Thickness	5-mil			
Length	1000 ft.			
Maximum Detectable Burial Range*	2" - 6" to 12" 3" - 12" to 24" 6" - 22" to 30"			
Tensile Strength at Break (ASTM D-882)	35 lbs/in (15,000 psi)			
* The types of locators used have a direct input on the maximum detectable burial depth.				

Specifications

The tape shall be of good manufacturing quality in terms of appearance. It shall not gap or telescope more than 0.1 inches when stored at temperatures below 49°C. It must be flexible or not be stiff or brittle in applications ranging from below 0°C to about 38°C. The tape must be removable from the roll without difficulty.

The tape shall be smooth, uniform, and free of defects and irregularities. The print shall be uniform, free of visibly large voids and foreign materials, and the lettering free of lumps. The warning words shall be legible, correctly spelled and fully printed. The ink shall be dry, firmly bonded to the substrate, and not transferable to non-printed parts of the film.

Shelf Life & Storage

This product has a 5-year shelf life from date of manufacture when stored in a humidity controlled storage (10°C/50°F to 27°C/80°F and <75% relative humidity).

Scotch® Detectable Buried Barricade Tape 400 Series

Availability

Please contact your local distributor; available from 3M.com/electrical [Where to Buy] or call 1-800-245-3573.

Product	Text	Length	Color	Thickness	Width
Scotch 406	CAUTION BURIED ELECTRIC LINE BELOW	1000 ft.	Red	5-mil	3 in.
Scotch 408		1000 11.	Red		6 in.
Scotch 407	CAUTION BURIED FIBER OPTIC LINE BELOW	1000 ft.	Orongo	5-mil	3 in.
Scotch 409		1000 11.	Orange	0-iIIII	6 in.
Scotch 410	CAUTION BURIED TELEPHONE LINE BELOW	1000 ft.	Orongo	ange 5-mil	3 in.
Scotch 411		1000 11.	Orange		6 in.
Scotch 412	CAUTION BURIED HIGH VOLTAGE CABLE BELOW	1000 ft.	Red	5-mil	3 in.
Scotch 413		1000 11.	Red	J-11111	6 in.
Scotch 414	CAUTION BURIED GAS LINE BELOW	1000 ft.	Yellow	5-mil	3 in.
Scotch 415		1000 11.	I GIIOW		6 in.

Important Notice

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Electrical Markets Division

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