

■ **Description**

The new STI series safety mat incorporates a design that features a quick disconnect located on the mat. The mats can be installed without the cable to minimize damage to the cable during installation. The new patented connector is designed and tested to meet IP67 requirements. The quick disconnect has been designed to be backward compatible with the current mat cable location. The new cable assembly will be offered in two cable lengths, 5 and 10 m. Alternate locations for the cable may be specified (see alternate cable locations).

STI safety mats meet the requirements of the following standards:

- ANSI/RIA R15.06-1999
 - ISO 13856-1:2001
 - ANSI B11.19-2003
- Also applicable:
- CSA Z432-04
 - EN1760-1:1998

UMQ Series

Quick Disconnect Universal Safety Mat

- Easy cable replacement
- Damage to cables during installation is eliminated
- Last minute cable length changes are easily accommodated
- Ability to configure cable exit location
- Mats will be stocked in black standard sizes with cable in "A" location
- Metric sizes are also available
- Mats are available in black and yellow
- Availability of custom size mats in a rectangular shape can be easily configured and ordered

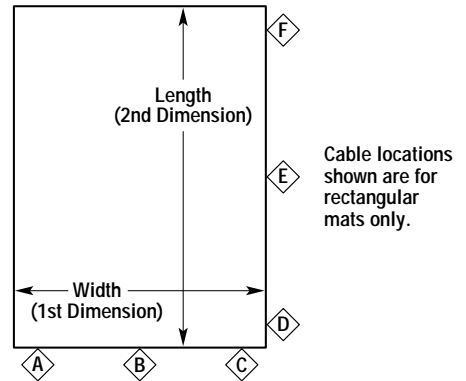
F safety mats and area guarding

Patent #6,896,533

Alternative Cable Location

Location	Description
A	Bottom left corner of first mat dimension (same as current UM mats), 2 in. from <i>top surface</i> of the left edge to center of cable exit
B	Bottom center of first mat dimension
C	Bottom right corner of first mat dimension, 2 in. from <i>top surface</i> of the right edge to center of cable exit
D	Bottom right corner of second mat dimension, 2 in. from <i>top surface</i> of the bottom edge to center of cable exit
E	Center of second mat dimension
F	Top right corner of second mat dimension, 2 in. from <i>top surface</i> of the top edge to center of cable exit

Note: Mats with both dimensions equal will only have "A", "B", and "C" cable locations available.



Ordering

Mats are available in black or yellow. Yellow mats are denoted by placing a "Y" in the ordering code. The cable location is specified by letter code at the end of the ordering number. Cables must be ordered separately.

Standard Sizes*

Standard mat widths in inches:

12, 18, 24, 30, 36, 42, 48

Standard mat lengths in inches:

12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72

Ordering Examples

48 x 36 in. Black: UMQ-4836-A

48 x 36 in. Yellow: UMYQ-4836-A

Special Standard Sizes*

Special inch sizes are available in increments of

1 in., with a minimum width or length of 8 in.

Ordering Example

15 x 11 in. Black: UMQ-1511-B

Metric Sizes**

Metric mat widths in millimeters:

500, 750, 1000, 1200

Metric mat lengths in millimeters:

500, 750, 1000, 1250, 1500, 1750, 1800

Ordering Examples

500 x 1000 mm Black: UMMQ-0500-1000-A

500 x 1000 mm Yellow: UMMYQ-0500-1000-A


Special Metric Sizes**

Special metric sizes are available in increments

of 50 mm, with a minimum width or length of 250 mm.

Ordering Example

600 x 250 mm Black: UMMQ-0600-0250-A

 Custom mats with angles and/or cut outs are available. Please consult STI.

 For specifications and dimensions on the MC Controllers, see page F17

Notes:

*Mats will take the largest dimension as the first dimension up to the 48 in. width (i.e. a mat ordered as 36 x 48 will be made as 48 x 36).

**Mats will take the largest dimension as the first dimension up to the 1200 mm width (i.e. a mat ordered as 500 x 1200 will be made as 1200 x 500)

Cables

Cables should be ordered separately.

Model No.	Description
UMQ5 Cable	5 m quick disconnect cable
UMQ10 Cable	10 m quick disconnect cable



 **Go to the Engineering Guide**
For in-depth information on safety standards and use.