

B-Series Safety Light Curtain Accessories

Cable Assemblies

Cable assemblies are used to connect the B-Series Safety Light Curtain sensing units to a controller or machine. The emitter has a 5-wire cable and the receiver has an 8-wire cable. One end of each cable has a keyed quick-disconnect connector and the other end is unterminated. The cables are IP68 rated, and UL and CSA recognized. Order cables separately.

Description		Part Number
Emitter Cable, 15 ft.	5 Conductor	0972
Emitter Cable, 30 ft.	5 Conductor	0973
Emitter Cable, 98 ft.	5 Conductor	0976
Receiver Cable, 15 ft.	8 Conductor	0974
Receiver Cable, 30 ft.	8 Conductor	0975
Receiver Cable, 98 ft.	8 Conductor	0977



Mounting Brackets (included)

Mounting brackets are supplied with the B-Series Safety Light Curtain sensing units. The brackets can be oriented to accommodate most installation requirements. They are designed to fit most commonly available structural framing systems.

Optional swivel, clamping, and vibration-damping brackets are also available. Call for information.



Floor Stands (Part No. 0957)

Floor stands are constructed from extruded aluminum. They are 5 ft. tall with a steel base for permanently affixing to the floor. The base has adjustment hardware to assist in fine tuning the optical alignment of the light curtains.

All of the necessary hardware is provided with the floor stands to allow easy attachment to the mounting brackets provided with the B-Series Safety Light Curtain sensing units. Order floor stands separately.



Mirror Assemblies

Mirror assemblies are used to change the direction of the emitter beams, allowing one light curtain to protect more than one side of a guarded area. They are provided with two pivot brackets for easy alignment. All of the necessary hardware is provided to allow attachment to floor stands. The actual length of the mirror is 4" (100mm) larger than the active curtain length (sensing area) to facilitate a wide tolerance for height alignment. Order mirror assemblies separately.



Curtain Length	Mirror Assembly Length	Part Number
200 mm (8")	300 mm (12")	0960
300 mm (12")	400mm (16")	0961
400mm (16")	500mm (20")	0962
600 mm (24")	700 mm (28")	0963
800 mm (32")	900 mm (36")	0964
900 mm (36")	1000 mm (40")	0965
1000 mm (40")	1100 mm (44")	0966
1200 mm (48")	1300 mm (52")	0967
1400 mm (56")	1500 mm (60")	0968

Machine Guard Fences

These mesh safety barriers provide additional guarding by filling in the gaps when a machine or work area configuration cannot be fully protected by a light curtain. They block these access points and prevent a worker from circumventing the light curtain and reaching into or squeezing into a dangerous area.

Machine guard fences are custom configured for each application. For more information, contact Tapeswitch with your requirements.



Model BPU-2 Blanking Programming Unit (Part No. 0954)

The blanking function allows selected areas of the sensing field to be disabled. This is useful for those applications in which objects, such as workpiece supports, protrude through the curtain. All B-Series Safety Light Curtains are capable of being blanked for fixed and floating objects.

The beam blanking function is set up using the BPU-2 Programming Unit. This device is used to "teach" the B-Series sensing unit when fixed blanking or floating blanking is required. One programming unit can be used to program any number of light curtains.



Laser Alignment Tool (Part No. 0956)

The laser alignment tool simply snaps onto the emitter or receiver of the B Series Safety Light Curtain. It then provides a visual indication of the alignment between them.

This device is particularly useful when the emitter and receiver are separated by a long distance or when mirrors are involved in the application.

