

SUBMITTAL RECORD

JOB \_\_\_\_\_  
LOCATION \_\_\_\_\_  
SUBMITTED TO \_\_\_\_\_  
SUBMITTAL PREPARED BY \_\_\_\_\_  
APPROVED BY \_\_\_\_\_  
DATE \_\_\_\_\_



**Kwik-Loc**

**Submittal Form**

**KL50, KL75, KL100, KL150, KL200, KL600**

**Kwik-Loc Cable Locks and Wire Rope**

**SUGGESTED SPECIFICATION:**

All equipment shall be supported using wire rope cable terminated by Cable Locks. All Cable Locks shall have a safe working load of at least 4 times the published Working Load Limit (W.L.L.). All wire rope shall have a breaking strength of at least 4 times the safe working load of the cable lock. Wire ropes shall be of the size and spaced per manufacturers printed specifications. Wire Rope and Cable Locks shall be as supplied by Rize Enterprises.

**SPECIFICATION DATA**

- 1) All wire rope supplied by Rize is statistically tested to minimum breaking strength.
- 2) All Working Load Ratings of Rize Kwik-Locs manufactured by Rize have been witnessed and verified by Independent Testing Labs.
- 3) Rize Kwik-Locs may be used in temperatures up to 300 degrees F.
- 4) Rize Kwik-Loc wedges are constructed of corrosion resistant sintered steel.
- 5) Rize Kwik-Loc springs are constructed of tempered stainless steel.
- 6) Rize Kwik-Loc cable lock housing is made of zinc alloy.

Kwik-Loc Size	Typical Applications	Wire Rope Diameter	Safe Working Load at 5:1 Safety Factor
<input type="checkbox"/> KL50	Signs, Lighting, Gallery Displays	WC1	5-35 lbs. (3-10 kg)
<input type="checkbox"/> KL75	Signs, Lighting, Gallery Displays	WC2	10-75 lbs. (5-34 kg)
<input type="checkbox"/> KL100	Fluorescent Lights, Speakers, Busbar, Cable Tray	WC3	25-150 lbs. (12-68 kg)
<input type="checkbox"/> KL150	Heavy Cable Basket, HID Lights	WC4	25-250 lbs. (12-114 kg)
<input type="checkbox"/> KL200	Sound Systems, Heavy Cable Trays	WC6	50-640 lbs. (25-291 kg)
<input type="checkbox"/> KL600	Services, Strut	WC8	50-1,100 lbs. (25-500 kg)

**CABLE BREAKING STRENGTH**

CABLE DIAMETER	TOLERANCE	CONSTRUCTION	MATERIAL	BREAKING STRENGTH
WC1	+0.008/-0.00 inch	7x7	Galvanized Steel	375 lbs.
WC2	+0.010/-0.006 inch	7x7	Galvanized Steel	480 lbs.
WC3	+0.012/-0.006 inch	7x7	Galvanized Steel	920 lbs.
WC4	+0.014/-0.007 inch	7x7	Galvanized Steel	1700 lbs.
WC6	+0.018/-0.009 inch	7x19	Galvanized Steel	4200 lbs.
WC8	+5%/-0%	7x19	Galvanized Steel	5500 lbs.

All Rize Kwik-Locs have been tested to UL 1598 and are listed under File # E246601.



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**RIZE**  
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# Rize Kwik-Loc Assembly Instructions and Warnings

As a matter of sound engineering practice, the Kwik-Loc assembly must be located no closer than 12 inches to the suspension point.

Adherence to these minimum clearances will distribute the load efficiently among all equipment components.



	<p><b>PULL ADJUSTMENT PIN BACK AND PASS WIRE THROUGH KWIK-LOC™</b></p>
	<p><b>LOOP WIRE THROUGH ANCHOR</b></p>
	<p><b>PULL ADJUSTMENT PIN BACK AND PASS WIRE BACK THROUGH KWIK-LOC™</b></p>
	<p><b>ALWAYS CONFIRM ENGAGEMENT OF KWIK-LOC™ ON WIRE BEFORE APPLYING LOAD</b> (This is best accomplished by pushing the adjustment pin in the opposite direction of the arrows on the cable lock and then pulling the cable also in the opposite direction of the arrows on the cable lock.)</p>
	<p><b>TO ADJUST, TAKE THE LOAD OFF AND PULL THE TAIL SLIGHTLY TO DISENGAGE TEETH, THEN RELEASE USING ADJUSTMENT PIN</b></p>

## EFFECTS OF HANGING AT ANGLES ON SAFE WORKING LOADS

Size	Vertical	15°	30°	45°	60°
WC8 Cable	1,100 lbs	1,060 lbs	950 lbs	775 lbs	550 lbs
WC6 Cable	640 lbs	625 lbs	559 lbs	455 lbs	325 lbs
WC4 Cable	250 lbs	240 lbs	215 lbs	175 lbs	125 lbs
WC3 Cable	150 lbs	144 lbs	129 lbs	105 lbs	75 lbs
WC2 Cable	75 lbs	72 lbs	64.5 lbs	52.5 lbs	37.5 lbs
WC1 Cable	35 lbs	33.8 lbs	30 lbs	24.5 lbs	17.5 lbs
Load	100%	96%	86%	70%	50%

## WARNINGS

- TO ENSURE HANGING SYSTEM INTEGRITY AND SAFETY: USE ONLY RIZE WIRE ROPE
- PULL ADJUSTMENT PIN BACK AND PASS WIRE ROPE THROUGH RIZE CABLE LOCK. FAILURE TO PULL ADJUSTMENT PIN FIRST MAY CAUSE DAMAGE TO SERRATED TEETH AND REDUCE HOLDING CAPACITY.
- ALWAYS CONFIRM ENGAGEMENT OF THE KWIK-LOC ON THE WIRE BEFORE APPLY LOAD BY PUSHING THE ADJUSTMENT PIN IN THE OPPOSITE DIRECTION OF THE ARROWS ON THE CABLE LOCK AND THEN PULLING THE CABLE ALSO IN THE OPPOSITE DIRECTION OF THE ARROWS ON THE CABLE LOCK.
- DO NOT USE FOR LOADS OUTSIDE THE STATED RANGE OF THE PRODUCT
- DO NOT EXCEED THE SAFE WORKING LOAD OF THE PRODUCT
- DO NOT USE ON COATED CABLE
- DO NOT APPLY PAINT OR OTHER COATING
- DO NOT APPLY LUBRICANT
- DO NOT USE FOR LIFTING
- KEEP THE PRODUCT CLEAN AND FREE FROM DIRT
- REMOVE DAMAGED CABLE END PRIOR TO INSERTING INTO THE KWIK-LOC
- DO NOT USE IN CHLORINATED ATMOSPHERES
- FOR DRY LOCATIONS ONLY
- FOR USE ON STATIC LOAD APPLICATIONS ONLY