

# CABLE & INSTALLATION HARDWARE



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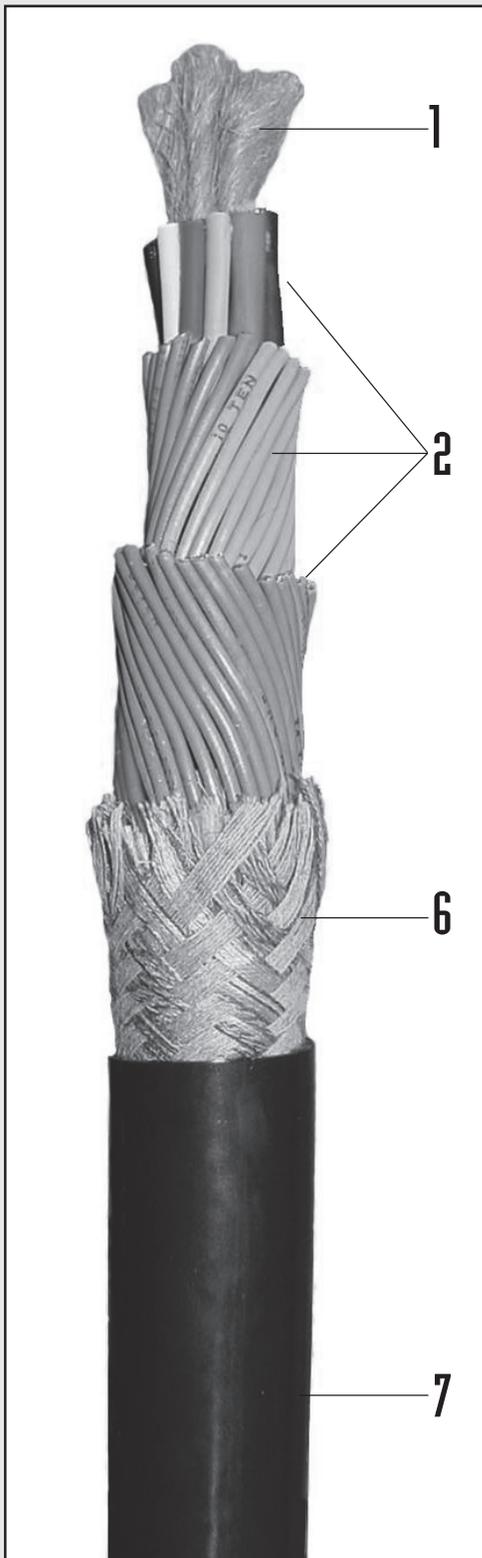
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## Elevator Traveling Cable Type ETT-JC (Jute Core)

Type ETT-JC (Jute Center Core) Traveling cables are designed for installations in elevators, dumbwaiters, personnel and material hoists. The cables are used for suspended lengths of under 200 feet (61 meters) as specified by the NEC, UL, CSA, and Canadian Electrical Codes.

### Construction

#### 1. Center Jute Core

Fibrous-plied jute center core, insulated conductors are cabled around.

#### 2. Insulated Conductors

Soft-annealed, bunched stranded, bare copper per ASTM Standards B3 and B174. The conductors are insulated with flame retardant 60°C polyvinyl chloride and are rated at 300 volts in accordance with the requirements of UL 62, CSA C22.2 No. 49 and the appropriate articles of the NEC and Canadian Electrical codes. Each conductor is color and number-coded for easy identification.

#### 3. Shielded Pairs (optional, not shown)

Two insulated No. 20 AWG soft-drawn bare copper conductors, PVC insulated, twisted with a bare drain wire. The laminated polyester and aluminum foil tape creates 100% shield coverage. The assembly has an overall colored PVC jacket and rated 300V.

#### 4. Coaxial Cable (optional, not shown)

RG-6, 75 ohm and 300V rated coaxial cable.

#### 5. Fillers (not shown)

Fibrous-plied jute fillers to provide the cable a circular cross section, enhance torsion stability, and cushion the construction during flexing.

#### 6. Braid

A tightly woven braid of cotton, rayon, or equivalent applied over the core to help maintain core shape, torsion balance and add mechanical strength.

#### 7. Jacket

An overall jacket of polyvinyl chloride provides a smooth, flexible, abrasion-resistant covering complying with the flame test requirements UL 1581 and is CSA FT-1 flame rated.

### Questions? Answers at...

Western US: 866 CED-ELEV or 866-233-3538  
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# Elevator Traveling Cable Type ETT-JC (Jute Core)



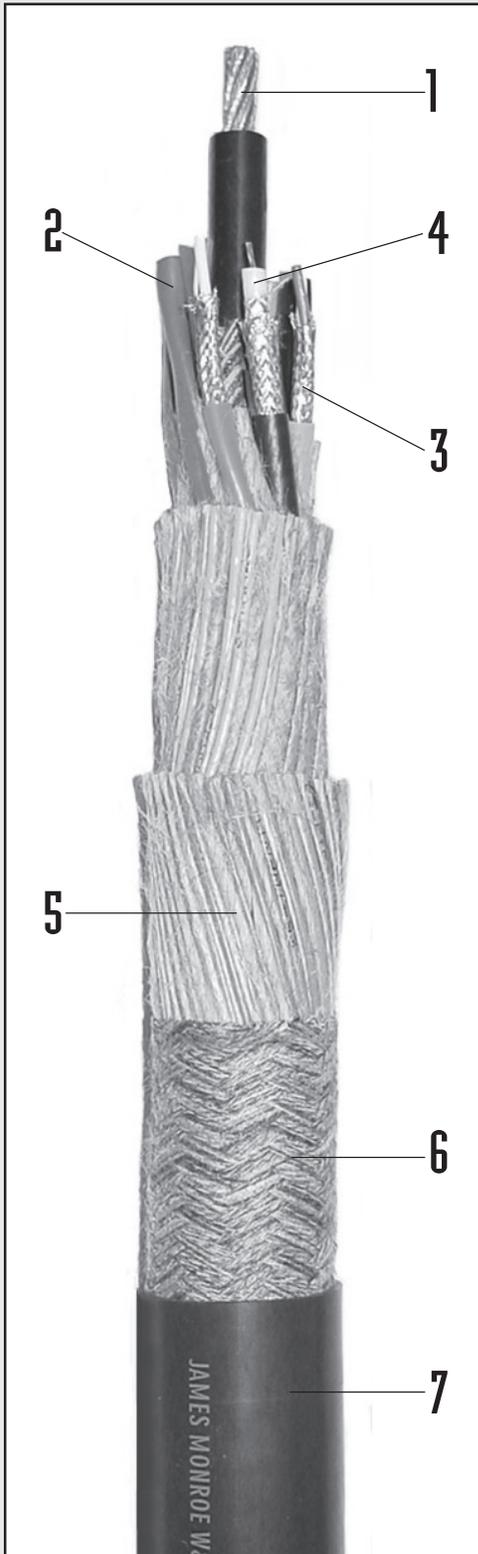
## Specifications Type ETT-JC (Jute Core)

Part Number	Size and Number of Components			Outside Diameter		Weight	
	14 AWG (2.08mm <sup>2</sup> )	18 AWG (.82mm <sup>2</sup> )	20 AWG Shld Pair 2x(.51mm <sup>2</sup> )	inches	mm	lbs./Mft	kg/km
TCJ0414	4			0.48	12.2	132	196
TCJ0418		4		0.36	9.1	68	101
TCJ0618SPL		6		0.43	10.9	96	143
TCJ1018		10		0.54	13.7	160	238
TCJ1618		16		0.64	16.3	219	326
TCJ2018		20		0.65	16.5	251	373
TCJ2418		24		0.73	18.5	304	452
TCJ3018		30		0.82	20.8	378	562
TCJ4018		40		0.92	23.4	475	707
TCJC27	3	20	2	0.94	23.9	466	693
TCJC33SPL	3	22	4	1.23	31.2	719	1070
TCJC37	4	31	1	1.19	30.2	672	1000
TCJC38W	12	18	4	1.25	31.8	806	1199
TCJC45	4	39	1	1.20	30.5	718	1068
TCJC45D	4	31	5	1.31	33.3	805	1198
TCJC51	4	45	1	1.20	30.5	757	1126
TCJC55D	4	41	5	1.39	35.3	917	1364
TCJC57	6	45	3	1.39	35.3	943	1403
TCJC59	4	49	3	1.22	31.0	872	1298
TCJC60	4	54	1	1.26	32.0	855	1272
TCJC66	4	56	3	1.33	33.8	956	1423
TCJC73	6	61	3	1.35	34.3	1042	1550
TCJC76		66	5	1.42	36.1	1017	1513
TCJC79SPL	7	64	4	1.45	36.8	1200	1786
TCJC86	4	76	3	1.39	35.3	1128	1678
TCJC96		86	5	1.42	36.1	1180	1756

The data herein is approximate and subject to normal manufacturing tolerances. These specifications subject to change without notice.

(1) NEC Article 620-41 allows for unsupported lengths of up to 200 feet (61 meters) when travelling cables are suspended from the supports by means that automatically tighten around the cable when tension is increased.

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## Elevator Traveling Cable Type ETT-SC (Steel Center Core)

Type ETT-SC (Steel Center Core) Traveling cables are designed for installations in elevators, dumbwaiters, personnel, and material hoists. They are recommended for suspended lengths of over 200 feet (61 meters) as specified by the NEC and Canadian Electrical Codes.

### Construction

#### 1. Center Steel Support Cable

Flexible, performance rated, galvanized steel wire rope support strand, manufactured to Military Specification MIL-W-83420. The steel core has 60C flame-retardant polyvinyl chloride insulation and a reinforcing tightly woven braid of cotton or rayon.

#### 2. Insulated Conductors

Soft-annealed, bunched stranded, bare copper per ASTM Standards B3 and B174. The conductors are insulated with flame retardant 60°C polyvinyl chloride and are rated at 300 volts in accordance with the requirements of UL 62, CSA C22.2 No. 49 and the appropriate articles of the NEC and Canadian Electrical codes. Each conductor is color and number-coded for easy identification.

#### 3. Shielded Pairs (optional)

Two insulated No. 20 AWG soft-drawn bare copper conductors, PVC insulated, twisted with a bare drain wire. The laminated polyester and aluminum foil tape creates 100% shield coverage. The assembly has an overall colored PVC jacket and rated 300V.

#### 4. Coaxial Cable (optional)

RG-6, 75 ohm and 300V rated coaxial cable.

#### 5. Fillers

Fibrous-plied jute fillers to provide the cable a circular cross-section, enhance torsion stability, and cushion the construction during flexing.

#### 6. Braid

A tightly woven braid of cotton, rayon, or equivalent applied over the core to help maintain core shape, torsion balance and add mechanical strength.

#### 7. Jacket

An overall jacket of polyvinyl chloride provides a smooth, flexible, abrasion-resistant covering complying with the flame test requirements UL 1581 and is CSA FT-1 flame rated.

### Questions? Answers at...

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# Elevator Traveling Cable Type ETT-SC (Steel Center Core)

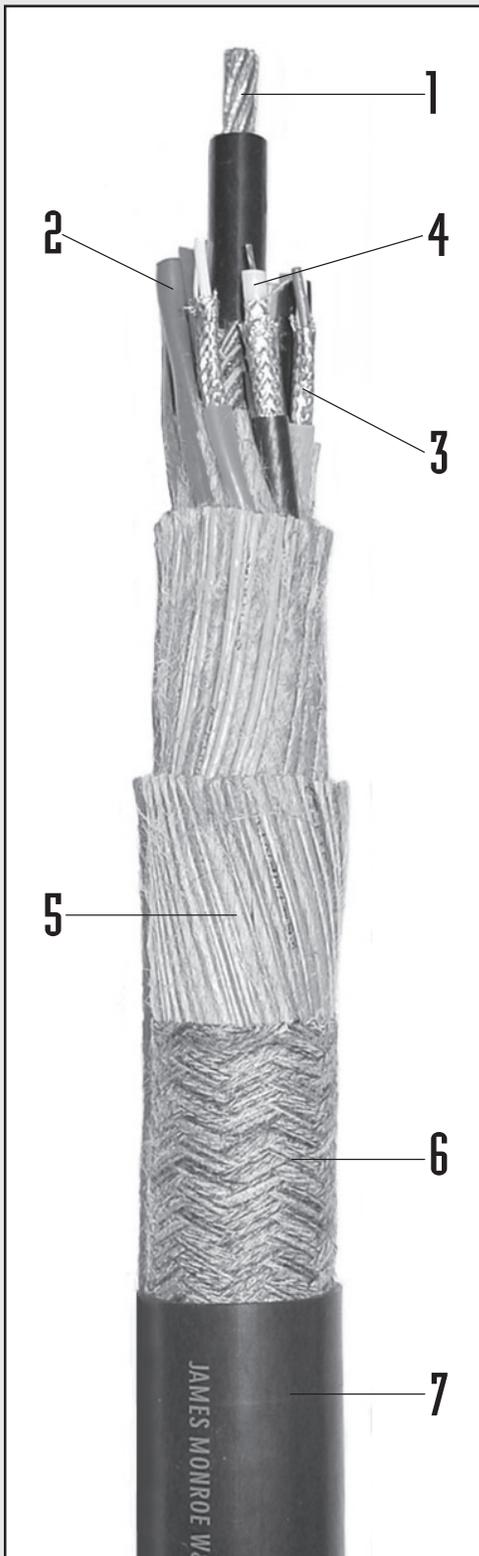


## Specifications Type ETT-SC (Steel Center Core)

Part Number	Size and Number of Components				Outside Diameter		Weight		Maximum Hanging Length		Steel Core Diameter	
	14 AWG (2.08mm <sup>2</sup> )	18 AWG (.82mm <sup>2</sup> )	20 AWG Shld Pair 2x(.51mm <sup>2</sup> )	Coax 22 AWG (.36mm <sup>2</sup> )	inches	mm	lbs./Mft	kg/km	feet	meters	inches	mm
TCS0414	4				0.57	14.5	166	247	900	274	3/32	2.4
TCS0814	8				0.70	17.8	293	436	900	274	1/8	3.2
TCS1514	15				0.93	23.6	487	725	900	274	1/8	3.2
TCS0618		6			0.49	12.4	124	185	900	274	3/32	2.4
TCS1018		10			0.54	13.7	178	265	861	262	3/32	2.4
TCS2018		20			0.70	17.8	286	426	804	245	3/32	2.4
TCS3018		30			0.82	20.8	417	620	900	274	1/8	3.2
TCS4018		40			0.93	23.4	534	795	874	266	5/32	4.0
TCS4518		45			0.93	23.6	543	808	900	274	1/8	3.2
TCS7518SPL		75			1.19	30.2	906	1348	773	236	5/32	4.0
TCSX05	3			2	1.00	25.4	460	684	900	274	5/32	4.0
TCSX14			6	2	1.06	26.9	470	848	900	274	5/32	4.0
TCSX18			8	2	1.38	25.4	483	719	900	274	5/32	4.0
TCSC20		14	3		0.95	24.1	376	559	612	187	3/32	2.4
TCSC27	4	21	1		0.96	24.4	500	744	900	274	5/32	4.0
TCSC28			13	2	1.35	24.4	500	744	900	274	5/32	4.0
TCSC36	17		8	3	1.61	40.9	1271	1891	900	274	1/4	6.4
TCSC37	4	31	1		1.18	30.0	700	1042	900	274	5/32	4.0
TCSC44	14	24	3		1.33	33.8	929	1382	753	230	5/32	4.0
TCSC45D	4	31	5		1.31	33.3	902	1342	776	237	5/32	4.0
TCSC48LO	4	30	7		1.32	31.1	836	1244	838	255	3/16	4.8
TCSC48HI	4	30	7		1.32	31.1	836	1244	838	255	3/16	4.8
TCSC51	4	45	1		1.20	30.5	797	1186	878	268	5/32	4.0
TCSC53	4	45	1	2	1.34	34.0	985	1466	711	217	5/32	4.0
TCSC56	6	48	1		1.20	30.5	847	1260	826	252	5/32	4.0
TCSC57	4	40	6	1	1.53	38.9	1144	1702	612	187	5/32	4.0
TCSC58LO	4	40	7		1.51	38.4	1125	1674	622	190	5/32	4.0
TCSC58HI	4	40	7		1.51	38.4	1125	1674	622	190	5/32	4.0
TCSC59	4	49	3		1.22	31.0	885	1317	791	241	5/32	4.0
TCSC60	7	27	13		1.58	40.1	1289	1918	900	274	1/4	6.4
TCSC61	7	27	13	1	1.65	41.9	1373	2043	900	274	1/4	6.4
TCSC64	22	30	6		1.61	40.9	1425	2120	900	274	1/4	6.4
TCSC71	6	61	2		1.50	38.1	1140	1696	614	187	5/32	4.0
TCSC74	20	38	8		1.54	39.1	1426	2122	491	150	5/32	4.0
TCSC750	20	38	8	1	1.58	40.1	1472	2190	900	274	1/4	6.4
TCSC75	4	69	1		1.38	35.1	1056	1571	663	202	5/32	4.0
TCSC77	4	69	1	2	1.64	41.7	1315	1957	532	162	5/32	4.0
TCSC77S	4	60	6	1	1.52	38.6	1269	1888	900	274	1/4	6.4
TCSC81	8	59	7		1.60	40.6	1336	1988	524	160	5/32	4.0
TCSC90	6	80	2		1.46	37.1	1262	1878	555	169	5/32	4.0
TCSC94	12	70	6		1.68	42.7	1663	2475	900	274	1/4	6.4
TCSC96		86	5		1.42	36.1	1215	1808	576	176	5/32	4.0

The data herein is approximate and subject to normal manufacturing tolerances.  
These specifications subject to change without notice.

**Questions? Answers at...**  
Western US: 866 CED-ELEV or 866-233-3538  
Eastern US: 866-253-2915 or 860-256-2211



## Elevator Traveling Cable Type ETT-C (Communications)

Type ETT-C (Communications Steel Center Core) Traveling cables are designed to complement existing or new communications cable installation and designed to track with other cables within the hoistway.

### Construction

#### 1. Center Steel Support Cable

Flexible, performance rated, galvanized steel wire rope support strand, manufactured to Military Specification MIL-W-83420. The steel core has polyvinyl chloride insulation and a reinforcing tightly woven braid of cotton.

#### 2. Insulated Conductors (optional)

Soft-annealed, bunched stranded, bare copper per ASTM Standards B3 and B174. The conductors are insulated with flame retardant 60°C polyvinyl chloride and are rated at 300 volts in accordance with the requirements of UL 62, CSA C22.2 No. 49 and the appropriate articles of the NEC and Canadian Electrical codes. Each conductor is color- and number-coded for easy identification.

#### 3. Shielded Pairs

Two insulated No. 20 AWG soft-drawn bare copper conductors, PVC insulated, twisted with a bare drain wire. The laminated polyester and aluminum foil tape creates 100% shield coverage. The assembly has an overall colored PVC jacket and rated 300V.

#### 4. Coaxial Cable

RG-6, 75 ohm and 300V rated coaxial cable.

#### 5. Fillers

Fibrous-plied jute fillers to provide the cable a circular cross section, enhance torsion stability, and cushion the construction during flexing.

#### 6. Braid

A tightly woven braid of cotton, rayon, or equivalent is applied over the core to help maintain core shape, torsion balance and add mechanical strength.

#### 7. Jacket

An overall jacket of polyvinyl chloride provides a smooth, flexible, abrasion-resistant covering complying with the flame test requirements UL 1581 and is CSA FT-1 flame rated.

### Questions? Answers at...

Western US: 866 CED-ELEV or 866-233-3538  
 Eastern US: 866-253-2915 or 860-256-2211

# Type ETT-C (Communications) Shielded Pairs

## Specifications Type ETT-C (Communications)

### Jute Core

Part Number	Number of Components		Outside Diameter		Weight		Maximum Hanging Length	
	20 AWG Shld Pair	Coax 20 AWG	inches	mm	lbs./Mft	kg/km	feet	meters
	2x(.51mm <sup>2</sup> )	(.36mm <sup>2</sup> )						
TCJCC0420SH	4		0.79	20.1	170	253	402	123

### Steel Core

Part Number	Size and Number of Components			Outside Diameter		Weight		Maximum Hanging Length		Steel Core Diameter	
	18 AWG Sh Pair	20 AWG Sh Pair	Coax 20 AWG	inches	mm	lbs./Mft	kg/km	feet	meters	inches	mm
	(0.8mm <sup>2</sup> )	2x(.51mm <sup>2</sup> )	(.36mm <sup>2</sup> )								
TCSCC0220SH		2		0.77	19.6	200	298	900	274	3/32	2.4
TCSCC0420SH		4		0.77	19.6	330	491	900	274	1/8	3.2
TCSCC0620SH		6		0.85	21.6	365	543	900	274	1/8	3.2
TCSCC0820SH		8		1.00	25.4	490	729	900	274	5/32	4.0

The data herein is approximate and subject to normal manufacturing tolerances. These specifications subject to change without notice.

### Shielded Pairs

Two insulated No. 20 AWG soft-annealed, bare copper conductors are twisted with an uninsulated drain wire. The laminated polyester and aluminum foil tape creates a 100% shield coverage. The assembly is covered with an overall colored PVC jacket.

**Conductors:** No. 20 AWG (10/.010") soft bare copper (.51 mm<sup>2</sup>–10/.254 mm)

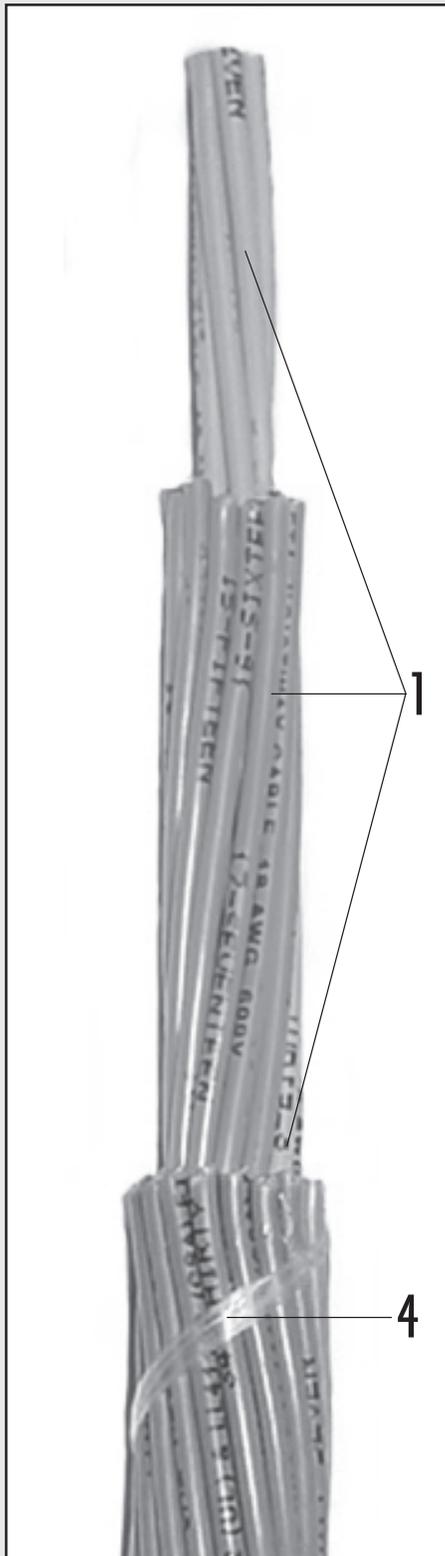
**Nominal D.C. Resistance:** 10.4 ohms/1000 ft. (34.1 ohms/Km)

**Nominal Capacitance:**

Between conductors: 40 pF/ft. (131 pF/m)

Between 1 conductor and other conductor connected to shield: 68 pF/ft. (223 pF/m)

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## Elevator Hoistway Cable 600V

600V Hoistway cables permit faster and easier interconnection of hoistway control and signaling devices. The insulated, identified conductors, cabled together and bound with a strong spiral binder for quick removal for breakout connections.

### Construction

#### 1. Insulated Conductors

Soft-drawn, solid or stranded, bare copper per ASTM Standards B3 and B174. The conductors are insulated with flame retardant 60°C polyvinyl chloride and are rated at 600 volts in accordance with the requirements of UL 62, CSA C22.2 No. 49 and the appropriate articles of the NEC and Canadian Electrical codes. Each conductor is color and number-coded for easy identification.

#### 2. Shielded Pairs (optional, not shown)

Two insulated No. 20 AWG soft-drawn bare copper conductors, PVC insulated, twisted with a bare drain wire. The laminated polyester and aluminum foil tape creates 100% shield coverage. The assembly has an overall colored PVC jacket and rated 300V.

#### 3. Coaxial Cable (optional, not shown)

RG-6, 75 ohm and 300V rated coaxial cable.

#### 4. Binder

High-strength synthetic fiber applied over the core to help maintain core shape, torsion balance and add mechanical strength.

#### 5. Jacket (Optional, not shown)

An optional flame retardant polyvinyl chloride (PVC) jacket is available upon request and in accordance with UL 1084 and CSA FT-1.

### Questions? Answers at...

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# Elevator Hoistway Cable 600V



## Stranded Hoistway—600V

Part Number	Size and Number of Components				Outside Diameter		Weight	
	14 AWG (2.08mm <sup>2</sup> )	18 AWG (.82mm <sup>2</sup> )	20 AWG Shld Pair 2x(.51mm <sup>2</sup> )	COAX	inches	mm	lbs./Mft	kg/km
HC0314	3				0.31	7.9	59	88
HC0814SPL	8				0.50	12.7	158	228
HC1414	14				0.63	16.0	276	399
HC0418		4			0.27	6.9	41	59
HC0418SPL		4			0.27	6.9	41	59
HC0718		7			0.34	8.6	72	100
HC1018		10			0.43	10.9	103	144
HC1218		12			0.46	11.7	119	172
HC1418		14			0.49	12.4	144	203
HC1618		16			0.53	13.5	165	238
HC1918		19			0.56	14.2	195	274
HC2118SPL		21			0.65	16.5	215	303
HC2418		24			0.66	16.8	307	349
HC3018		30			0.72	18.3	380	432
HC3718		37			0.78	19.8	380	566
HC3718SPL		37			0.78	19.8	380	566
HC4218		42			0.84	21.3	432	643
HC6118		61			0.98	24.9	625	930
HCC39	4	35			0.85	21.6	427	635
HCC42	14	24	2		0.96	24.4	599	891
HCC49	4	45			0.98	24.9	530	789
HCC57	4	40	6	1	1.05	26.7	648	936
HCC62	4	58			1.07	27.2	658	979
HCC71	6	61	2		1.18	30.0	816	1214

The data herein is approximate and subject to normal manufacturing tolerances. These specifications are subject to change without notice.

\*Cables with SPL designation have a special numbering sequence and/or conductor color arrangement:

HC0814SPL: non-standard conductor colors: #1/green; #2-#4/white; #5-#8/black

HC2118SPL: conductors are numbered 32 to 52

HC3718SPL: conductors are numbered 38 to 74

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# Stationary Wiring Shielded Pairs

## Audio and Communication

300V Audio systems requiring circuit isolation, data control, and process control computer systems.

## Construction

Single and Multi-paired, individually shielded per UL 2464, AWM, CL2 and CSA 300V 80C

### Insulated Conductors:

Composed of 20 AWG stranded tinned copper, insulated with 80°C semi-rigid polyvinyl chloride, shielded with polyester/aluminum tape for 100% coverage over each pair, 22awg stranded tinned copper drain wire under the shield

### Jacket:

Outer sheath is a chrome polyvinyl chloride (PVC) that provides a smooth, wear-resistant surface.

## Stationary Wiring Shielded Pairs

### 300 Volt/Jacketed/for Audio and Data Communications

Part Number	Number of Components		Outside Diameter		Weight	
	20 AWG PR	2x(.51mm <sup>2</sup> )	inches	mm	lbs./Mft	kg/km
<b>M13141</b>	1		0.22	5.5	29	43
<b>M13142</b>	2		0.23	5.8	34	51
<b>M13143</b>	3		0.30	7.6	52	77
<b>M13144</b>	4		0.32	8.1	64	95
<b>M13146</b>	6		0.38	9.7	87	130
<b>M13149</b>	9		0.45	11.4	132	196
<b>M13152</b>	12		0.50	12.7	169	251
<b>M13155</b>	15		0.60	15.2	225	335

### Color Codes

1 Pair = Red/White	10 Pair = Red/Blue
2 Pair = Black/White	11 Pair = Red/Yellow
3 Pair = Black/Green	12 Pair = Red/Brown
4 Pair = Black/Blue	13 Pair = Red/Orange
5 Pair = Black/Yellow	14 Pair = Green/White
6 Pair = Black/Brown	15 Pair = Green/Blue
7 Pair = Black/Orange	
8 Pair = Red/White	
9 Pair = Red/Green	

### Questions? Answers at...

Western US: 866 CED-ELEV or 866-233-3538  
 Eastern US: 866-253-2915 or 860-256-2211

# Compensating Cable

Compensating Cable is designed to reduce sway and provide a dampening effect to provide for smooth operation at temperatures between -15°C to +60°C. For use in the US, in elevators with rated speeds of 700 ft/min (3.56 m/sec) or less.

## Construction

### 1. Chain

Low-carbon, electrically-welded proof coil chain. Each link is proof tested at two times the working load limit.

### 2. Inner Insulation (not shown)

Polyvinyl chloride insulation (PVC) extruded to form a round cross-section.

### 3. Jacket

A 60°C flame-retardant polyvinyl chloride (PVC) jacket designed to reduce oxidation, weathering, chemical and flame resistant.

**Pre-stripped Compensating Cable is available. Call CED for details.**



Part Number	Cable Weight lb./ft. • kg/m	Cable Nom. O.D. inches • mm	Max. Hang Length feet • meters	Rec. Nom. Loop Width inches • mm
CC10	1.0 • 1.5	1.15 • 29	600 • 183	24 • 610
CC15	1.5 • 2.2	1.36 • 35	600 • 183	24 • 610
CC20	2.0 • 3.0	1.50 • 38	600 • 183	26 • 660
CC25	2.5 • 3.7	1.63 • 41	600 • 183	26 • 660
CC30	3.0 • 4.5	1.77 • 45	600 • 183	26 • 660
CC35	3.5 • 5.2	1.91 • 49	600 • 183	27 • 690
CC40	4.0 • 6.0	2.03 • 52	600 • 183	27 • 690

**CED can help you determine which size of Compensating Cable to use. Call us and have the following information ready:**

- 1) Number of hoist ropes per car
- 2) Outer diameter of the hoist ropes
- 3) Stranding of the hoist ropes (i.e. 8 x 19, 8 x 25...)
- 4) Car roping (i.e. 1:1, 2:1, other...)
- 5) Number of cables per car
- 6) Length of cable needed

**Questions? Answers at...**  
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### Coaxial

**Inner Conductor:** No. 20 AWG  
(6 strands of .010" tinned copper around  
1 strand of .010" tinned copper-covered steel)

**Nominal D.C. Resistance:** 16.2 ohms/1000 ft.  
(53 ohms/Km)

**Dielectric:** Cellular polypropylene

**Nominal Impedance:** 75 ohms

**Nominal Capacitance:** 18 pF/ft. (59 pF/m)

**Nominal Velocity of Propagation:** 78%

**Shield:** 85% coverage copper over a laminated  
polyester and aluminum foil for 100% coverage

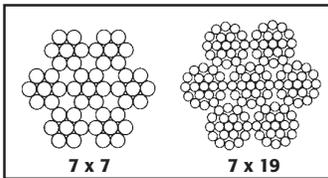
**Nominal D.C. Resistance:**  
8.3 ohms/1000 ft. (27 ohms/Km)

**Nominal Attenuation:**

MHz	dB/100 ft.	dB/100 m
1	0.4	1.3
5	0.8	2.6
10	1.0	3.3
50	2.1	6.9
100	3.0	9.8

### Steel Core for Elevator Traveling Cable

The steel support cables utilized in elevator traveling cables are flexible or extra flexible constructions specifically designed and selected for their high strength, resistance to fatigue and minimum stretch characteristics.



Manufactured to U.S. military specification MIL-W-83420, the individual wires are fully preformed and galvanized to provide maximum service life.

Diameter		Breaking Strength		Weight
Inches	Dec. In. • mm	Construction	lbs. • kg	lbs/Mft • kg/km
3/32	.0938 • 2.381	7x7	920 • 417	16 • 24
1/8	.1250 • 3.175	7x19	2000 • 907	29 • 43
5/32	.1563 • 3.969	7x19	2800 • 1270	45 • 67
3/16	.1875 • 4.763	7x19	4200 • 1905	65 • 97
1/4	.2500 • 6.350	7x19	7000 • 3175	110 • 164
3/8	.3750 • 9.525	7x19	14400 • 6532	243 • 362

# Elevator Cable Technical Information

## Color Code Chart

Gauge	Cond. Number	Color	Pr. Color
14 AWG	1	Black	N/A
	2	White	N/A
	3	Green	N/A
	4-10	Lavender	N/A
	11-20	Orange	N/A
16 AWG or	1-10	Yellow	N/A
	11-20	Orange	N/A
18 AWG or	21-30	Tan	N/A
	31-40	Blue	N/A
20 AWG	41-50	Red	N/A
	51-60	Gray	N/A
	61-70	Black	N/A
	71-80	Pink	N/A
	81-90	Brown	N/A
	91-100	Purple	N/A
Shielded Pairs	1	Blue	Red-White
	2	Purple	Red-White
	3	Black	Red-White
	4	Orange	Red-White
	5	Yellow	Red-White
	6	White	Red-White
	7	Brown	Red-White
	8	Green	Red-White
	9	Blue	Black-White
	10	Purple	Black-White
	11	Black	Black-White
	12	Orange	Black-White
	13	Yellow	Black-White
	14	White	Black-White
	15	Brown	Black-White
	16	Green	Black-White
Coaxial	1	Black	N/A
	2	Black/White	N/A

## Metric Cross-Reference

AWG	Wire Size		Stranding	
	mm2	#/Diam. in.	#/Diam. mm	
14	2.080	41/.010"	41/.254	
16	1.310	26/.010"	26/.254	
18	0.823	16/.010"	16/.254	
20	0.519	10/.010"	10/.254	
22	0.348	7/.010"	7/.254	

### Questions? Answers at...

Western US: 866 CED-ELEV or 866-233-3538  
Eastern US: 866-253-2915 or 860-256-2211

# Cable Installation Kits, Damping Devices

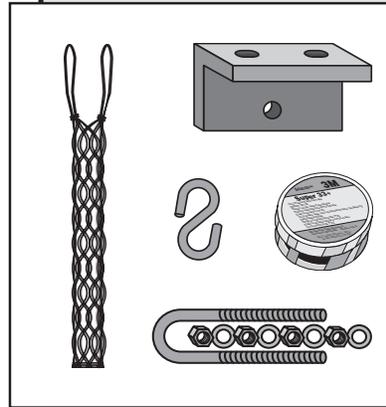
## Compensating Cable Installation Kits

Each installation hardware kit includes:

**2 Support Brackets (includes grade 8 nut, bolts, heavy duty cable TIE, lockwashers and hardened washers), 1 U-bolt (includes nuts and washers), 1 S-hook, 1 heavy duty grip and electrical tape**

For safe and economical installation, when used as recommended, this system will provide you with safe operation of your compensating cable. An installation guide is provided with each kit.

Part Number	For Use on Cable	S-hook Part Number	Grip Part Number	3/4" Electrical Tape Part Number
CC10KIT	CC10	SH1	024-20-1504	MMM 33+
CC15KIT	CC15	SH3	024-20-1470	MMM 33+
CC20KIT	CC20	SH3	024-20-1510	MMM 33+
CC25KIT	CC25	SH6	024-20-1510	MMM 33+
CC30KIT	CC30	SH6	024-20-1499	MMM 33+
CC35KIT	CC35	SH6	024-20-1499	MMM 33+
CC40KIT	CC40	SH6	024-20-1542	MMM 33+



## SteadySway™ Damping Device Kit

Maintenance-free, self-lubricating damping device for compensating cable on elevators with rated speeds up to 450 fpm. Field-proven to reduce cable wear, compared to other similar devices

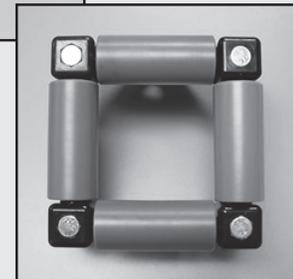
Part Number **SS1** Steady Sway Kit



## SteadyRoller™ Damping Device Kit

Compact, maintenance-free damping device with self-lubricating, free-spinning rollers for elevator compensating cable. The device has four sturdy, vibration-resistant corner posts and a support bracket that keeps the cable tracking smoothly without pinching, and provides the most protection against wear.

Part Number **SRI-DSCN911** SteadyRoller



## PhlexGrip™ Cable Hanging Support Bracket

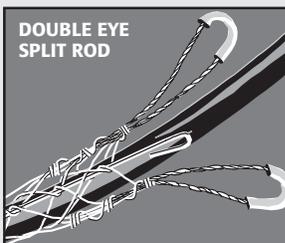
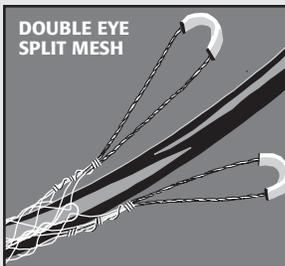
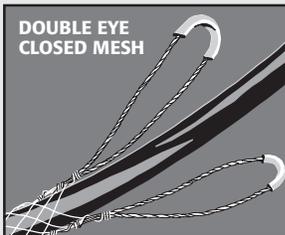
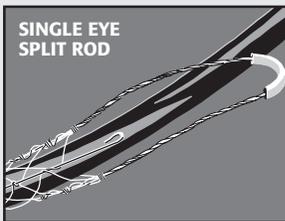
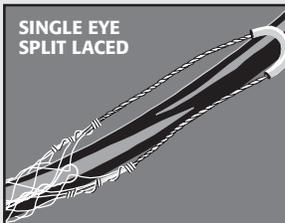
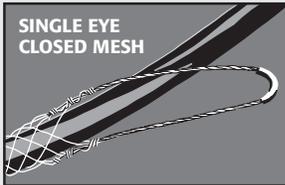
The fastest and easiest method for hanging steel-supported, elevator traveling cable. The support device is specifically designed for flexible steel rope and provides a support point for cable pre-hanging and/or hoisting the cable into position. The cable and support device can be adjusted and even removed from the support bracket without ever having to cut the cable's steel support.

Part Number **TCSBT**

Traveling Cable Support Bracket for 5/32 Steel Cable



**Questions? Answers at...**  
Western US: 866 CED-ELEV or 866-233-3538  
Eastern US: 866-253-2915 or 860-256-2211



# Kellems® Grips—Tinned Bronze

## Single Eye Design/Single Weave—Closed Mesh & Split Rod

Part Number Closed Mesh	Part Number Split Laced	Cable Dia. Range inches • cm	Approx. Breaking Wt. lbs • kg	Eye Length inches • cm	Nom. Mesh Length inches • cm
022-01-013	022-02-013	.50 to .62 • 1.27 to 1.57	530 • 240	7 • 17.8	10 • 25.4
022-01-014	022-02-014	.63 to .74 • 1.60 to 1.88	790 • 358	8 • 20.3	10 • 25.4
022-01-015	022-02-015	.75 to .99 • 1.91 to 2.51	1020 • 463	8 • 20.3	13 • 33.0
022-01-017	022-02-017	1.00 to 1.24 • 2.54 to 3.15	1610 • 730	9 • 22.9	14 • 35.6
022-01-018	022-02-018	1.25 to 1.49 • 3.18 to 3.78	1610 • 730	10 • 25.4	15 • 38.1
022-01-019	022-02-019	1.50 to 1.74 • 3.81 to 4.42	1610 • 730	12 • 30.5	17 • 43.2
022-01-020	022-02-020	1.75 to 1.99 • 4.45 to 5.05	2150 • 975	14 • 35.6	19 • 48.3

## Single Eye Design/Single Weave—Split Rod

Part Number	Cable Dia. Range inches • cm	Approx. Breaking Wt. lbs • kg	Eye Length inches • cm	Nom. Mesh Length inches • cm
022-03-013	.50 to .62 • 1.27 to 1.57	530 • 240	7 • 17.8	8.5 • 21.6
022-03-014	.63 to .74 • 1.60 to 1.88	790 • 358	8 • 20.3	8.5 • 21.6
022-03-015	.75 to .99 • 1.91 to 2.51	1020 • 463	8 • 20.3	10.5 • 26.7
022-03-017	1.00 to 1.24 • 2.54 to 3.15	1610 • 730	9 • 22.9	12.5 • 31.7
022-03-018	1.25 to 1.49 • 3.18 to 3.78	1610 • 730	10 • 25.4	14.5 • 36.8
022-03-019	1.50 to 1.74 • 3.81 to 4.42	1610 • 730	12 • 30.5	15.5 • 39.4
022-03-020	1.75 to 1.99 • 4.45 to 5.05	2150 • 975	14 • 35.6	16.5 • 41.9

## Double Eye Design/Single Weave—Closed Mesh & Split Laced

Part Number Closed Mesh	Part Number Split Laced	Cable Dia. Range inches • cm	Approx. Breaking Wt. lbs • kg	Eye Length inches • cm	Nom. Mesh Length inches • cm
022-01-001	022-02-001	.50 to .62 • 1.27 to 1.57	530 • 240	4 • 10.2	10 • 25.4
022-01-002	022-02-002	.63 to .74 • 1.60 to 1.88	530 • 240	4 • 10.2	10 • 25.4
022-01-003	022-02-003	.75 to .99 • 1.91 to 2.51	1020 • 463	4 • 10.2	13 • 33.0
022-01-005	022-02-005	1.00 to 1.24 • 2.54 to 3.15	1610 • 730	5 • 12.7	14 • 35.6
022-01-006	022-02-006	1.25 to 1.49 • 3.18 to 3.78	1610 • 730	5 • 12.7	15 • 38.1
022-01-007	022-02-007	1.50 to 1.74 • 3.81 to 4.42	1610 • 730	5 • 12.7	17 • 43.2
022-01-008	022-02-008	1.75 to 1.99 • 4.45 to 5.05	2150 • 975	6 • 15.2	19 • 48.3

## Double Eye Design/Single Weave—Split Rod

Part Number	Cable Dia. Range inches • cm	Approx. Breaking Wt. lbs • kg	Eye Length inches • cm	Nom. Mesh Length inches • cm
022-03-001	.50 to .62 • 1.27 to 1.57	790 • 358	4 • 10.2	8.5 • 21.6
022-03-002	.63 to .74 • 1.60 to 1.88	790 • 358	4 • 10.2	8.5 • 21.6
022-03-003	.75 to .99 • 1.91 to 2.51	1020 • 463	4 • 10.2	10.5 • 26.7
022-03-005	1.00 to 1.24 • 2.54 to 3.15	1610 • 730	5 • 12.7	12.5 • 31.7
022-03-006	1.25 to 1.49 • 3.18 to 3.78	1610 • 730	5 • 12.7	14.5 • 36.8
022-03-007	1.50 to 1.74 • 3.81 to 4.42	1610 • 730	5 • 12.7	15.5 • 39.4
022-03-008	1.75 to 1.99 • 4.45 to 5.05	2150 • 975	6 • 15.2	16.5 • 41.9

### Component Specifications

These grips are intended for low rise installations only! Listed breaking strengths should not be loaded more than 25% to ensure a four-to-one safety factor. To maintain original grip set, the base of all grips should be secured with vinyl tape.

### Questions? Answers at...

Western US: 866 CED-ELEV or 866-233-3538  
 Eastern US: 866-253-2915 or 860-256-2211

# Kellems® Grips—Stainless Steel

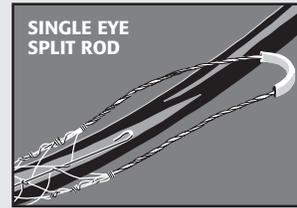


3

■ CABLE & INSTALLATION HARDWARE ■

## Single Eye Design/Single Weave/Split Rod

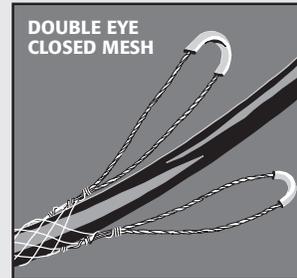
Part Number	Cable Dia. Range inches • cm	Approx. Breaking Wt. lbs • kg	Eye Length inches • cm	Nom. Mesh Length inches • cm
024-03-014	.63 to .74 • 1.60 to 1.88	2000 • 908	8 • 20.3	8.5 • 21.6
024-03-015	.75 to .99 • 1.91 to 2.51	2050 • 930	8 • 20.3	10.5 • 26.7
024-03-017	1.00 to 1.24 • 2.54 to 3.15	2650 • 1202	9 • 22.9	12.5 • 31.7
024-03-018	1.25 to 1.49 • 3.18 to 3.78	4500 • 2041	10 • 25.4	14.5 • 36.8
024-03-019	1.50 to 1.74 • 3.81 to 4.42	4500 • 2041	12 • 30.5	15.5 • 39.4



SINGLE EYE SPLIT ROD

## Double Eye Design/Double Weave/Closed Mesh

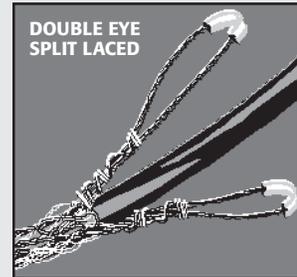
Part Number	Cable Dia. Range inches • cm	Approx. Breaking Wt. lbs • kg	Eye Length inches • cm	Nom. Mesh Length inches • cm
024-20-1504	1.00 to 1.24 • 2.54 to 3.15	6000 • 2722	12 • 30.5	14 • 35.6
024-20-1470	1.25 to 1.49 • 3.18 to 3.78	8200 • 3720	12 • 30.5	15 • 38.1
024-20-1510	1.50 to 1.74 • 3.81 to 4.42	8300 • 3765	12 • 30.5	17 • 43.2
024-20-1499	1.75 to 1.99 • 4.45 to 5.05	15000 • 6804	12 • 30.5	19 • 48.3
024-20-1542	2.00 to 2.50 • 5.08 to 6.35	15000 • 6804	12 • 30.5	22 • 55.9



DOUBLE EYE CLOSED MESH

## Double Eye Design/Double Weave/Split Laced

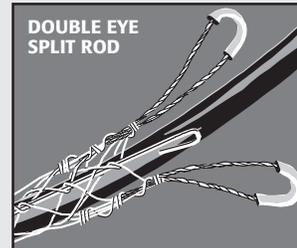
Part Number	Cable Dia. Range inches • cm	Approx. Breaking Wt. lbs • kg	Eye Length inches • cm	Nom. Mesh Length inches • cm
024-20-1284	.75 to .99 • 1.91 to 2.51	3100 • 1406	4 • 10.2	13 • 33.0
024-20-1285	1.00 to 1.24 • 2.54 to 3.15	4000 • 1814	4 • 10.2	14 • 35.6
024-20-1286	1.25 to 1.49 • 3.18 to 3.78	4000 • 1814	4 • 10.2	15 • 38.1
024-20-1287	1.50 to 1.74 • 3.81 to 4.42	4000 • 1814	4 • 10.2	17 • 43.2
024-20-1500	1.75 to 2.00 • 4.45 to 5.08	11000 • 4990	12 • 30.5	19 • 48.3



DOUBLE EYE SPLIT LACED

## Double Eye Design/Single Weave/Split Rod

Part Number	Cable Dia. Range inches • cm	Approx. Breaking Wt. lbs • kg	Eye Length inches • cm	Nom. Mesh Length inches • cm
024-03-005	1.00 to 1.24 • 2.54 to 3.15	2650 • 1202	5 • 12.7	12.5 • 31.7
024-03-006	1.25 to 1.49 • 3.18 to 3.78	4500 • 2041	5 • 12.7	14.5 • 36.8
024-03-007	1.50 to 1.74 • 3.81 to 4.42	4500 • 2041	5 • 12.7	15.5 • 39.4



DOUBLE EYE SPLIT ROD

### Component Specifications

These grips are intended for mid- and high-rise installations, and could be used as the primary hanging method for cables up to 200' (61 meters) in travel. Installations of over 40 stories should utilize the heavy duty double-weave grips for back-up purposes ONLY and not as the primary hanger. To maintain original grip set, the base of all grips should be secured with vinyl tape.

**Questions? Answers at...**  
 Western US: 866 CED-ELEV or 866-233-3538  
 Eastern US: 866-253-2915 or 860-256-2211

3.15

### Barclays California Code of Regulations

(applies to 1970–August 8, 1997)

#### 2.(c) Guarding of Counterweights in a Multiple-Elevator Hoistway

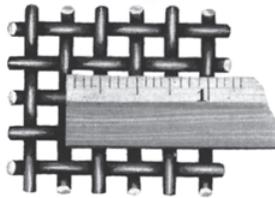
(1) Where counterweights are located between elevators in a hoistway having more than one elevator, the counterweight shall be guarded for the entire height of the hoistway. The guard shall extend at least 6 inches horizontally beyond each counterweight rail. The guard shall be made from wire-mesh material equal to or stronger than .048-inch diameter wire with openings not exceeding ½-inch, securely fastened to keep the guard taut and plumb.

(2) The guarding of counterweights required in Section 3013(c)(1) shall be accomplished within three years of the effective date of this regulation. (Title 24, Part 7, Section 7–3013.)

**OHSA Regulations** require the installation of screening between adjacent elevator hoistways to protect workers from injury.

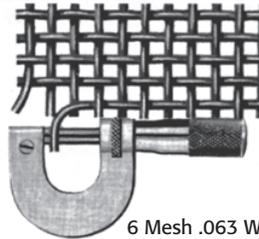
**The National Elevator Industry's Field Employee Safety Handbook**, Section 8.3, "Hoistway Screening," requires that, "When an elevator is operating in a multiple hoistway, and construction or modernization work is to be performed, in an adjacent position of that multiple hoistway, that portion of the elevator hoistway where the work is to be performed, shall be fully separated."

#### MESH



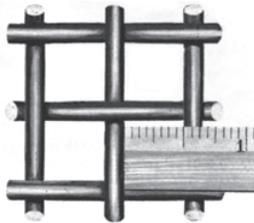
4 Mesh .092 Wire,  
.158 Opening

#### WIRE



6 Mesh .063 Wire

#### OPENING



.50 Opening



## Hoistway Safety Netting & Guard System

### Square Mesh Wire Cloth

- Galvanized, Hot-Dipped after Welded
- Mesh: ½" x ½" (center to center)
- .063" diameter wire
- Rolls are 100 feet long and are available in widths of 18, 24, 30, 36, 48, 60 and 72 inches.

#### Specifications

##### Mesh

Number of openings per lineal inch. Measured from the center of wires. The number of openings precedes the word "Mesh."

##### Wire

The diameter of wire (in decimals) used in weaving cloth.

##### Opening

The size of clear opening between parallel wires. For a given mesh, the space is determined by the diameter of wire used.

### PearlWeave Hoistway Safety Netting

PearlWeave netting, when installed vertically inside elevator hoistways, provides protection equivalent to that of wire mesh. It replaces screening behind traveling cables, protects counterweight frames, and most important, protects workers working inside of one hoistway from straying into the adjacent hoistway or the area between counterweight rails, thereby preventing serious injury, and even loss of life.

PearlWeave safety netting products are lightweight, durable and easier to use than traditional wire meshes, while exceeding their strength characteristics. Our chemical- and mildew-resistant products, are also flame retardant, and if burned, will not emit toxins into the hoistway.

Available in 48in. x 160ft. rolls

### Hoistway Guard Systems

Hoistway guard systems are used to prevent round and flat traveling cable from striking obstructions in the hoistway and from crossing over into adjoining hoistways. Their use may extend the life span and prevent possible interference of your installed elevator cables.

Our guarding systems are available in two sizes, each containing 100ft x 1.5ft of ½"x ½" wire mesh, installation hardware, and detailed installation instructions.

Part Number	Description
HGS	Hardware, mesh and base mounting kit
HGS-EXT	Hardware, mesh and extension mounting kit (used to extend HGS an additional 100ft)

### Questions? Answers at...

Western US: 866 CED-ELEV or 866-233-3538

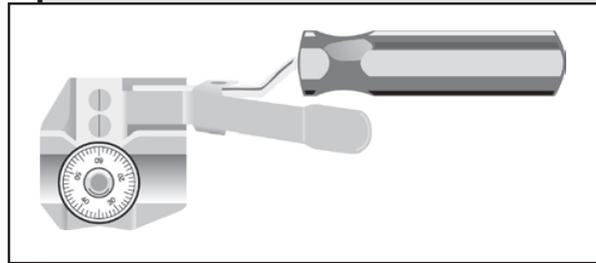
Eastern US: 866-253-2915 or 860-256-2211

# Cable & Wire Cutting Tools

## Super Peeler

The Cadillac of cable stripping tools! Easy to calibrate and use, this unique cable "peeler" allows you to precisely score round traveling cable jackets for fast removal without nicking the conductors underneath. Just a turn of the dial adjusts the spring-loaded blade from 20 to 70 mils (0.5 to 1.8 mm).

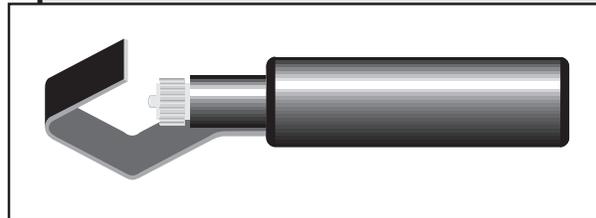
Part Number	Description	Standard Packaging
BP1A	For cable dia. 0.75 to 1.25 in (19 to 32 mm)	1
BP2A	For cable dia. 1.25 to 2.00 in (32 to 51 mm)	1
34230	Replacement blade for either Super Peeler	1



## Roto-Peeler

An easy-to-use blade that allows you to lock in the required cutting depth as to cleanly strip away the jacket, yet leave the individual conductor insulation undisturbed. The blade also can be positioned to allow circular, spiral and longitudinal cutting of the jacket. Designed for cable from 0.75 to 1.58 in (19 to 40 mm) in diameter.

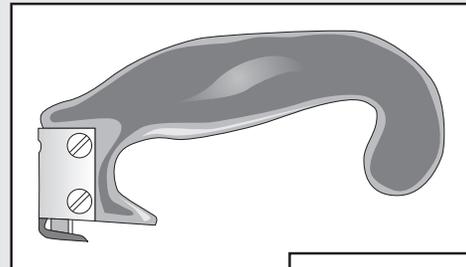
Part Number	Description	Standard Packaging
1903	Roto-Peeler	1



## FCJ Stripper

Faster and safer than the utility knife it replaces, the FCJ makes easy work of stripping jackets from flat cables. A rigid, ergonomic handle fits the worker's hand and protects it from cuts and skinned knuckles. The blade is housed in an L-shaped hardened steel guide that eases stripping while keeping blade and fingers from touching. Two extra blades are included and stored within the handle. Common Schick™ injector-type blades can be economically replaced.

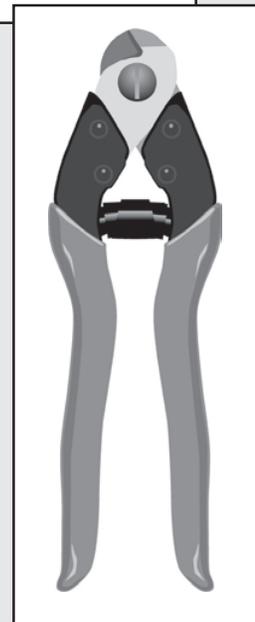
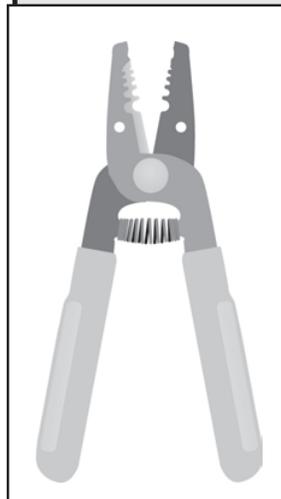
Part Number	Description	Standard Packaging
N2878	Stripper	1
N2878H	Replacement Blades	1



## Steel Core Cutters

High-leverage cutters with Swiss-made carbide steel blades that make quick work of the steel reinforcement cable in traveling cables. Plastic-coated handles for comfort and grip. Blades lock in a closed position for better fit in a toolbelt.

Part Number	Description	Standard Packaging
63016	Steel Core Cutters	1



## Wire Strippers

A compact, lightweight tool rugged enough for hoistway use. Precision-ground holes cleanly strip 16, 18, 20, 22, 24 and 26 AWG (1, 0.75, 0.50, 0.34, 0.25 and 0.19 mm<sup>2</sup>) stranded wire. Spring-loaded jaws and specially designed handles reduce fatigue.

Part Number	Description	Standard Packaging
KLEIN 11055	Wire Strippers	1

**Questions? Answers at...**  
Western US: 866 CED-ELEV or 866-233-3538  
Eastern US: 866-253-2915 or 860-256-2211

