

CHANCE[®]

Jumpers & Load Pickup Tools

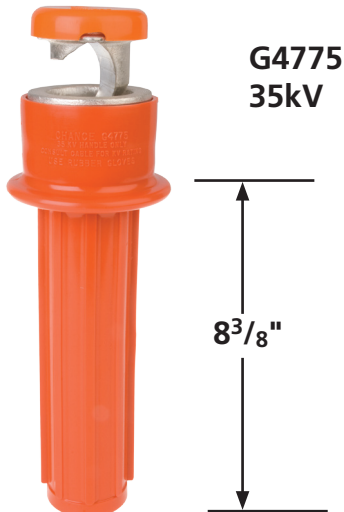
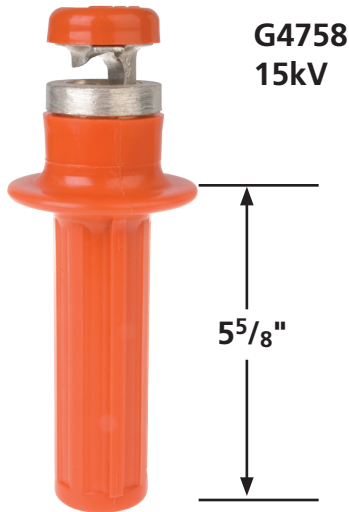
Catalog 2300 May 2016



Jumpers & Load Pickup Tools -2300



All Chance® Insulated Jumpers meet ASTM F 2321 Standard Specification.



Insulated Jumper Clamps

Features & Applications

- Used for bypassing work areas when equipment is under repair
- Also used for upgrading lines and making temporary or emergency repairs
- Handles are tough, high-impact strength polyethylene with a wide hand guard flange

15 kV Ø-Ø Rated — 300 Amp Capacity

The G4758 series Jumper Clamp has:

- Handle length of 5-5/8" below the handguard
- Bearing type floating washer lower contact that improves gripping action and prevents conductor scoring
- Metal parts with copper alloy to improve oxidation resistance
- 300 amp continuous rating based on using 2/0 Jumper Cable on tap side

Style I per ASTM F 2321 Standard Specification

Cat. No.	Description	Main Line Range		Jumper Cable Range		Weight
		Max.	Min.	Max.	Min.	
G4758	Pair* of Clamps	336.4 ACSR .721"	#6 Copper .162"	2/0	#2	2 ³ / ₄ lb./ 1.0 kg.

*Cat No. T6010003 for single clamp.

25 kV Ø-Ø Rated — 400 Amp Capacity

The G4765 series Jumper Clamp has:

- The same polyethylene material in the handle as other Chance Jumper Clamps
- Handle length below handguard is 7-1/2"

Style I per ASTM F 2321 Standard Specification

Cat. No.	Description	Main Line Range		Jumper Cable Range		Weight
		Max.	Min.	Max.	Min.	
G4765	Pair* of Clamps	477 ACSR .883"	#6 Copper .162"	4/0	#2	2 ³ / ₄ lb./ 1.3 kg.

*Cat. No. T6010039 for single clamp.

35 kV Ø-Ø Rated — 400 Amp Capacity

The G4775 series Jumper Clamp has:

- A larger contact opening for use on larger conductor
- Handle length below the handguard is 8-3/8"

Style I per ASTM F 2321 Standard Specification

Cat. No.	Description	Main Line Range		Jumper Cable Range		Weight
		Max.	Min.	Max.	Min.	
G4775	Pair* of Clamps	954 ACSR 1.165"	#6 Copper .162"	4/0	#2	3 lb./ 1.4 kg.

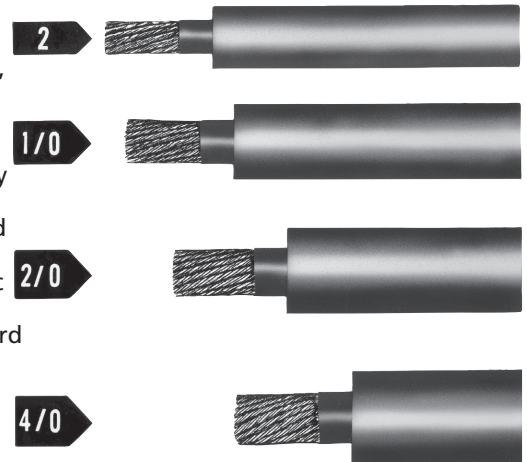
*Cat. No. T6010040 for single clamp.



Jumper Cable rated Ø-Ø 15 kV with EPR Insulation/Jacket

Features & Applications

- Extremely flexible even at low temperatures
- Features insulation/jacket combination resistant to abrasion, oil, heat, moisture and ozone
- Orange/Red color of mold-cured ethylene-propylene-base coating imparts high visibility
- AWG size and voltage rating are embossed at 4-foot intervals for easy identification
- For extended service life, an extruded screen interfaces insulation and conductor
- This strand screen improves voltage-stress control by adding dielectric strength and eliminating internal corona
- Insulation and conductor screen meet and exceed ICEA-NEMA standard S-68-516
- For easy handling in adverse conditions, conductors are extra flexible alloy-coated copper-stranded rope per ASTM B-189 or B-33
- Ampacity ratings are based on 90°C conductor temperature at 40°C ambient



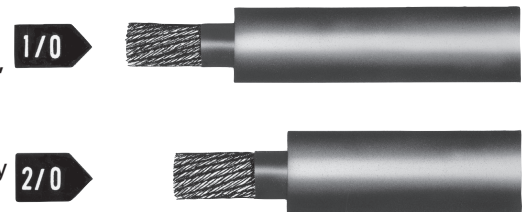
Type I per ASTM F 2321 Standard Specification

Catalog No.	Size AWG	Stranding	Approx. Cond. Diameter	Approx. Cable O.D.	Approx. Ampacity Rating, Amps	Weight Per 1000 Ft.
S10043	#2	259/No. 26	0.322"	0.779"	200	438 lb./197 kg.
S10044	1/0	413/No. 24	0.404"	0.863"	260	598 lb./269 kg.
S10045	2/0	273/No. 23	0.455"	0.914"	300	707 lb./318 kg.
S10046	4/0	437/No. 21	0.602"	1.065"	400	1047 lb./471 kg.

Jumper Cable rated Ø-Ø 25 kV and 35 kV with EPR Insulation/Jacket

Features & Applications

- Extremely flexible even at low temperatures
- Features insulation/jacket combination resistant to abrasion, oil, heat, moisture and ozone
- Orange/Red color of mold-cured ethylene-propylene-base coating imparts high visibility
- AWG size and voltage rating are embossed at 4-foot intervals for easy identification
- For extended service life, an extruded screen interfaces insulation and conductor
- This strand screen improves voltage-stress control by adding dielectric strength and eliminating internal corona
- Insulation and conductor screen meet and exceed ICEA-NEMA standard S-68-516
- For easy handling in adverse conditions, conductors are extra flexible alloy-coated copper-stranded rope per ASTM B-189 or B-33
- Ampacity ratings are based on 90°C conductor temperature at 40°C ambient



For connectors, see page 2304.

Type I per ASTM F 2321 Standard Specification

Catalog No.	Size AWG	Stranding	Approx. Cond. Diameter	Approx. Cable O.D.	Approx. Ampacity Rating, Amps	Weight Per 1000 ft.
25 kV Cable:						
S11272	1/0	413	0.404"	1.113"	260	801 lb./ 360.5 kg.
S11273	2/0	266	0.450"	1.160"	300	913 lb./410.9 kg.

Type I per ASTM F 2321 Standard Specification

Catalog No.	Size AWG	Stranding	Approx. Cond. Diameter	Approx. Cable O.D.	Approx. Ampacity Rating, Amps	Weight Per 1000 ft.
35 kV Cable:						
S11274	1/0	413	0.404"	1.287"	260	985 lb./443.3 kg.

Jumper Terminals for 15kV EPR Jumper Cable only

Features & Applications

- Shrouded terminals are for use with only grounding clamps (see Section 3000) and EPR Jumper Cable (Page 2305)
- Should only be used as temporary jumper assemblies (and should not be used with insulated jumper clamps, page 2302)
- Extra heavy-duty shroud prevents excessive cable stress at terminal connection
- To match pressure-type and threaded connectors on grounding clamps, both plug and stud terminal styles are available
- Two crimps in Section "A" with Burndy die numbers (or equivalent) below secure terminal to cable
- Anderson VERSA-CRIMP® compression tools are acceptable for making these crimped connections

PLUG TERMINALS (NO THREADS)

Type III per ASTM F 2321 Standard Specification

Cable Size	Catalog No.	Burndy Die No.	Weight per terminal
	One Unit, Not Installed		
#2	C6010190	U243	2 oz.
1/0	C6010191	U243	
2/0	C6010192	U166-206	
4/0	C6010193	U249	



STUD TERMINALS (THREADED)

Type III per ASTM F 2321 Standard Specification

Cable Size	Catalog No.	Burndy Die No.	Weight per terminal
1/0	C6010199	U243	
2/0	C6010200	U166-206	
4/0	C6010201	U249	



Jumper Clamp Connector Assemblies for 15kV, 25kV & 35kV Jumper Cable

Features & Applications

- Copper Connector Assemblies are necessary to join cable and clamp together on Jumper Clamps or Load Pickup Tools only
- Threads are 5/8-11 NC for all connectors
- Each Catalog Number consists of a copper connector, nut and lockwasher
- Anderson VERSA-CRIMP® compression tools are acceptable for making these crimped connections

Type VI per ASTM F 2321 Standard Specification



Catalog No.	Cable Size	Burndy Die No. (or equivalent)	No. of Crimps	Weight each
C6002598	No. 2	U165	2	4 oz.
C6002599	1/0	U165	2	4 oz.
C6002600	2/0	U165	2	4 oz.
C6002601	4/0	U166	2	4 oz.

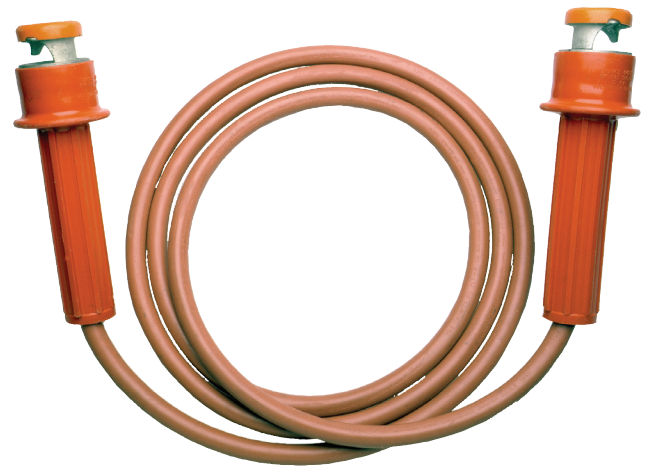


Insulated Jumper Sets for 15 kV, 25kV and 35 kV

Features & Applications

- Used for bypassing work areas when equipment is under repair
- Also used for upgrading lines and making temporary or emergency repairs
- Pre-assembled for popular distribution-system voltages, 10 sets offer a choice of cable sizes
- Continuous-current ratings for sets range from 200 to 400 amperes based on cable size selected
- All sets include cable listed below
- Ampacity ratings are based on 90°C conductor temperature at 40°C ambient
- AWG size and voltage rating are embossed at 4' intervals on EPR (ethylene-propylene) insulated jacket
- Insulation and conductor screen meet and exceed ICEA-NEMA standard S-68-516
- Extra-flexible conductors are alloy-coated copper-stranded rope per ASTM B-189 or B-33

All Chance® Insulated Jumpers meet ASTM F 2321 Standard Specification.



- Jumper clamps feature “floating-washer” design and high-impact polyethylene handles with wide handguard flange



- Small 15kV clamp has 5-5/8" handle below handguard
- Large 15 kV and 25kV clamps each has 7-1/2" handle below handguard
- 35kV clamp has 8-3/8" handle below handguard

- NOTE: Adequate rubber gloves must be worn when installing or removing jumper clamps

15 kV Jumper Cable

Size, AWG	Continuous Current Rating, Amperes	Reference Cat. No.
#2	200	S10043
1/0	260	S10044
2/0	300	S10045
4/0	400	S10046

25 kV Jumper Cable

1/0	260	S11272
2/0	300	S11273

35 kV Jumper Cable

1/0	260	S11274
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Ordering Information

Each set includes one 12 ft. cable assembled with two crimp connectors to two jumper clamps.

15 kV Sets

Style I, Type I, Class A

per ASTM F 2321 Standard Specification

Small-Conductor Range

Catalog No.	Cable	Weight	Main Line Range	
			Min.	Max.
C6010163	#2	8 lb. / 3.6 kg.	#6 Sol. Cu. (0.162")	336.4MCM ACSR (0.721")
C6010162	1/0	9¾ lb. / 4.4 kg.		
C6010164	2/0	11¼ lb. / 5 kg.		

Large-Conductor Range

C6010171	#2	8 lb. / 3.6 kg.	#6 Sol. Cu. (0.162")	477 MCM ACSR (0.883")
C6010172	1/0	9¾ lb. / 4.4 kg.		
C6010173	2/0	11¼ lb. / 5 kg.		
C6010174	4/0	15¼ lb. / 7 kg.		

25 kV Sets

Style I, Type I, Class A

per ASTM F 2321 Standard Specification

C6010269	1/0	10 lb. / 4.5 kg.	#6 Sol. Cu. (0.162")	477 MCM ACSR (0.883")
C6010270	2/0	11½ lb. / 5.2 kg.		

35 kV Set

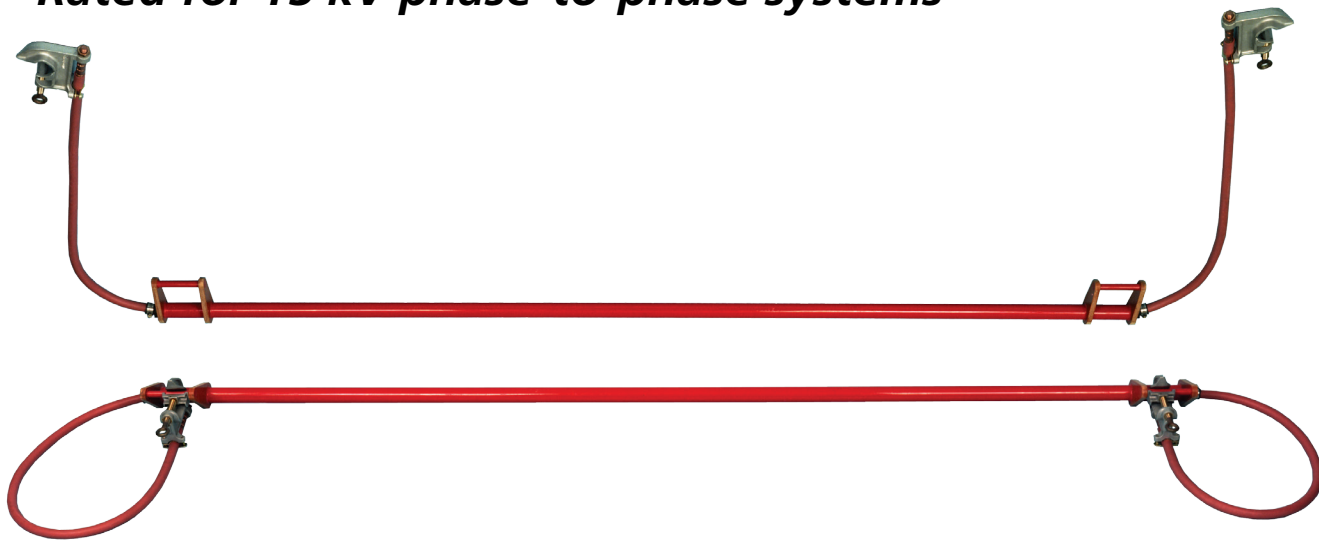
Style I, Type I, Class A

per ASTM F 2321 Standard Specification

C6010271	1/0	15½ lb. / 7 kg.	#6 Sol. Cu. (0.162")	954 MCM ACSR (1.165")
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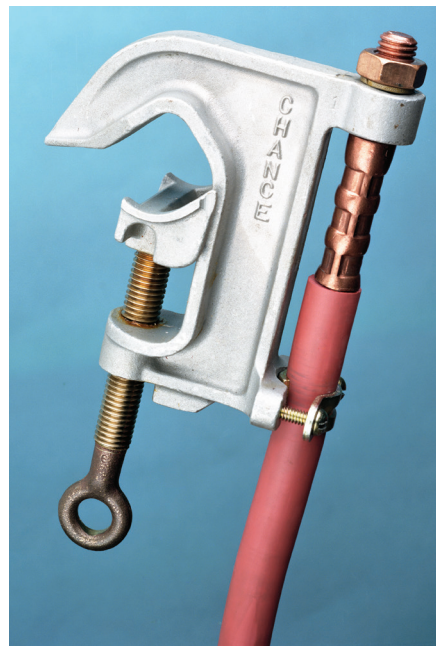
Insulated By-Pass Jumpers

- *Rated for 15 kV phase-to-phase systems*



Features & Applications

- Center support for easy application
- Available in four jumper-cable sizes
- Features mid-span orange 8'-long epoxy-resin, fiberglass-reinforced-plastic (FRP) tube
- Rigid 1-1/2"-O.D. tube serves as a support for easy handling of jumper set by rubber gloves or hot-line tools
- This makes the unit especially handy when jumpering switchgear, reclosers or cutting in double deadends
- Completely pre-assembled
- Two non-metallic hangers – one at each end of the FRP support tube
- These hangers provide for parking the by-pass clamps while moving the jumper set into or out of the work area since the 16'-long jumper cable (with EPR jacket) is secured where it exits the FRP tube, 4' of cable extend from both ends of the rigid support
- Threaded compression assemblies – each comprising a connector, nut and lockwasher, all of copper – are applied at the cable ends
- Two clamps (each a Chance C6001743) also come installed with cable strain-relief clamps to complete the by-pass jumper set



Ordering Information

Insulated Jumper Sets

Each: 16-ft. overall length (includes 8-ft. tube) with two C6001743 clamps applied on cable by copper connector assemblies

Catalog Number	Cable Size, AWG	Continuous Current Rating	Weight (lb./kg.)
C6010260	#2 – 15kV	200 amperes	27/12.15
C6010261	1/0 – 15kV	260 amperes	29/13.05
C6010262	2/0 – 15kV	300 amperes	32/14.4
C6010263	4/0 – 15kV	400 amperes	37/16.65

Clamp Specifications

- Aluminum body with smooth jaws
- Bronze eyescrew with fine threads

Recommended Torque 250 inch-pounds

Main Line Range:

Minimum #6 Solid Copper (0.162")
Maximum 1590 kcmil ACSR (1.5")

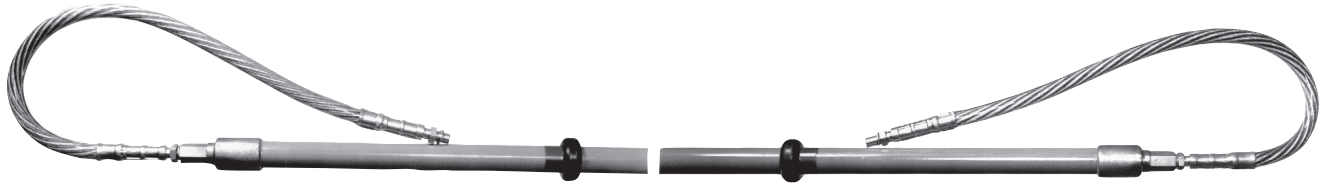
Terminal threads 5/8"-11 UNC

(plus cable strain-relief clamps)



34.5 kV By-Pass Jumpers

20 kV Phase-to-Ground

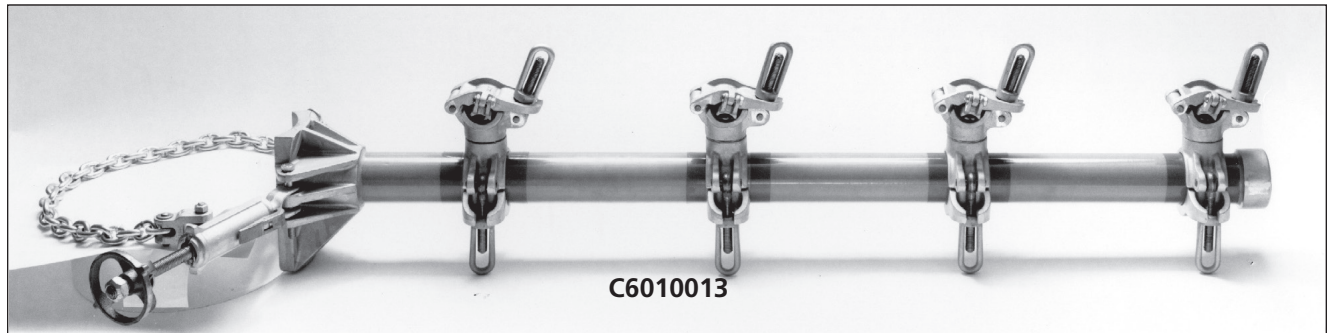


Features & Applications

- Solid aluminum rod is epoxy-sealed inside a polypropylene tube
- Tube is silicone-sealed inside a 1-1/2" Chance Hot Stick handle
- Brass couplings are threaded onto the end of the solid rod, pinned and 3' of 4/0, clear
- Jacketed grounding cable is threaded into the coupling.
- Current capacity is 400 amps

Catalog No.	Description	Approx. Wt.
C6010036	8' Epoxiglas, 14' Over-all w/ Threaded Stud Terminals	18 lb./ 8.1 kg.
C6010037	10' Epoxiglas, 16' Over-all w/ Threaded Stud Terminals	21 lb./ 9.5 kg.
C6010038	12' Epoxiglas, 18' Over-all w/ Threaded Stud Terminals	24 lb./ 10.8 kg.

JUMPER CABLE SUPPORT



- Four swivel-action clamp assemblies with a cable diameter capacity of from 3/4" to 1-1/2" provide a non-slip grip for jumper cables
- Prevents sagging secondaries and cables touching the ground
- Each clamp is rated to carry 75 lbs.
- Epoxiglas® arm is 2-1/2" in diameter by 4' long and includes wheel tightener for pole mounting

Catalog No.	Description	Weight
C6010013	Cable Support, wheel binder	25 lb./11.3 kg.

INSULATED HANGER

- Serves as convenient parking stand for linemen installing Jumper Clamps or Grounding Clamps on lines up to 34.5 kV
- 1-1/4" x 15" Epoxiglas® pole provides the insulated section
- Bronze double stud fitting is 1/2" x 3-1/2" on each side

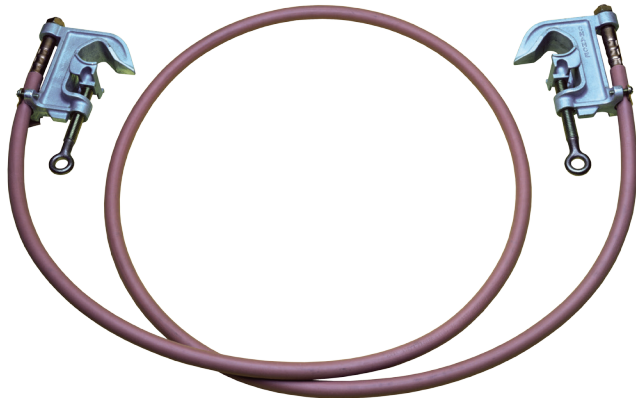
Catalog No.	Conductor Range		Weight
	Max.	Min.	
S16007	636 MCM ACSR	#8 Solid Copper	2 1/4 lb./1.0 kg.



Insulated Jumper Sets for 15kV hotstick applications

Features & Applications

- Meet ASTM F 2321 Standard Specification
- Eight popular sets below serve most applications
- Other clamps and cable combinations available upon request



**Reference
15 kV Jumper Cable**

Size, AWG	Continuous Current Rating, Amperes	Reference Cat. No.
#2	200	S10043
1/0	260	S10044
2/0	300	S10045
4/0	400	S10046

- Ampacity ratings are based on 90°C conductor temperature at 40°C ambient
- AWG size and voltage rating are embossed at 4' intervals on EPR (ethylene-propylene) insulated jacket
- Insulation and conductor screen meet and exceed ICEA-NEMA standard S-68-516
- Extra-flexible conductors are alloy-coated copper-stranded rope per ASTM B-189 or B-33

- Two C-type aluminum grounding clamps with smooth jaws and bronze eyescrews
 - Cat. No. C6001743 (see Catalog Section 3000)
 - Main Line Range: #6 solid copper (0.162") through 1590kcmil ACSR (1.50")
- 15kV EPR-insulated jumper cable
 - Choice of four sizes
 - Choice of 12- or 15-foot length
- Two threaded copper compression ferrules
 - Installed on cable selected
 - Assembled to clamps

Ordering Information

Each set includes cable in length listed assembled by two crimp connectors to two clamps.

#2 Cable Sets Style II, Type II, Class A per ASTM F 2321 Standard Specification

Catalog No.	Cable Length	Weight
T6010281	12 feet	8 ³ / ₄ lb. / 4 kg.
T6010282	15 feet	10 lb. / 4.5 kg.

1/0 Cable Sets Style II, Type II, Class A per ASTM F 2321 Standard Specification

T6010283	12 feet	10 ² / ₃ lb. / 4.8 kg.
T6010284	15 feet	12 ¹ / ₂ lb. / 5.6 kg.

2/0 Cable Sets Style II, Type II, Class A per ASTM F 2321 Standard Specification

T6010285	12 feet	12 lb. / 5.4 kg.
T6010286	15 feet	16 lb. / 6.4 kg.

4/0 Cable Sets Style II, Type II, Class A per ASTM F 2321 Standard Specification

T6010287	12 feet	16 lb. / 7.3 kg.
T6010288	15 feet	19 lb. / 8.7 kg.

Load-Pickup Tool for 15kV systems



Features & Applications

- Rated for loads as high as 250 amperes
- Fits #6 Copper through 795 kcmil ACSR
- Can be used to pickup loads and carry 250 Amps at 15kV
- Rubber gloves should be worn while installing
- Head has a floating washer to minimize conductor damage as jaws are installed
- Contacts are spring loaded and can be closed by pulling an insulated lanyard, putting the operator away from the tool during pickup operations
- Positive contact operation
- Tool cannot be used as a load-break tool as the operator cannot open the contacts while the tool is on the conductor
- Fiberglass rod, attached to the end of the lanyard, is used to recock the contacts
- Because it must be inserted through head of tool, lineman must remove tool from conductor before recocking
- Orange-tinted translucent Lexan® housing permits easy visual inspection
- Nylon handguard is used to keep lineman's hand away from energized area
- By simply removing two screws in handguard, the tool can be disassembled for inspection and maintenance
- All current carrying parts are copper or copper alloy and contacts are silver plated
- Recommended 15kV jumper cables for this tool are #2 and 1/0
- Recommended that Load-Pickup Tool be inspected and cleaned after 25 operations or after 90 days
- Clean all plastic parts with a soft cloth, damp with ethyl alcohol only



Closing the Contacts



Recocking The Contacts

- Electrical Ratings: Nominal 15kV 3-phase or 8.3kV single phase circuits; 250 amps continuous current
- Main Line Range: #6 Copper (0.162") minimum through 795 kcmil ACSR (1.108") maximum

- Contacts are opened by passing the recocking rod through head on tool and pushing plunger to fully opened position
- Operation cannot be completed when tool is connected to conductor

For pre-assembled Load-Pickup Tool/Jumper Cable sets, see page 2310.
For Cable and Connector Assemblies see page 2305.

Catalog Number	Description	Weight
C4031631	Load-Pickup Tool only	6.4 lb./2.9 kg.

Load-Pickup Tool Sets Pre-assembled for 15kV systems

Features & Applications

- Rated for loads as high as 250 amperes
- Include load-pickup device, jumper clamp, 15 kV cable
- Rated to pickup and carry 250-amp loads at 15kV
- Each completely assembled set consists of Load-Pickup Tool, Jumper Clamp, 15 kV Jumper Cable and cable connectors
- Load-Pickup Tool and Jumper Clamp fit conductors from #6 Copper (0.162") through 795 ACSR kcmil (1.108")
- Four standard sets include options for 10' or 12' lengths of either #2 or 1/0 Jumper Cable
- Other pre-assembled sets are available
- These sets combine other Chance-Jumper Clamps, other sizes and lengths of Jumper Cable and appropriate connectors (Catalog pages 2302 and 2306)
- Individual components also may be ordered for customer assembly of various combinations.

Operation & Maintenance

- Load-Pickup Tool cannot be used to break loads because operator cannot open contacts while Tool is installed on conductor
- To recock contacts, operator inserts fiberglass rod through head of Tool to push plunger to fully-opened position
- Rod is supplied attached to end of operating lanyard
- Pulling this insulated lanyard closes the spring-loaded contacts
- Positive contact operation
- Bearing-type floating washers in jaws of Tool and Jumper Clamp assure secure gripping but minimal scoring of conductors during installation
- **WARNING:** Adequate rubber gloves must be worn when using this equipment
- Clean and inspect Load-Pickup Tool after every 25 operations or at least once every 90 days
- Clean all plastic parts with a soft cloth dampened with only ethyl alcohol
- To disassemble Tool, simply remove two screws in handguard

Construction Features

Load-Pickup Tool:

- o Orange-tinted translucent Lexan® housing permits easy visual inspection
- o Current-carrying parts of Copper or Copper alloy
- o Contact points are silver plated
- o Handguard of high-impact Nylon keeps hand away from energized area

Jumper Clamp:

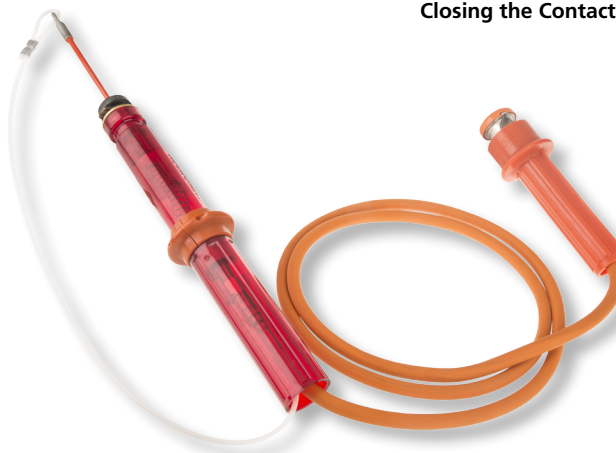
- o Current-carrying parts of Copper alloy
- o Handles of high-impact Polyethylene
- o Wide handguard flange keeps hand away from energized area



Recocking the Contacts



Closing the Contacts



All Units

Electrical Ratings: Nominal 15kV 3-phase or 8.3kV single phase circuits.

Jumper Clamp: #6 Copper (0.162") minimum through 795 kcmil ACSR (1.108") maximum.

Catalog Number	Cable Length	15 kV Cable Size	Continuous Current	Weight (lb./kg.)
C4031557	10 ft.	#2	200 amps	17.75/8.05
C4031558	12 ft.	#2	200 amps	19.62/8.89
C4031559	10 ft.	1/0	250 amps	20.8/9.43
C4031560	12 ft.	1/0	250 amps	23.28/10.55



Temporary Cutout Tools for 15kV and 27kV

Features & Applications

- To provide fuse protection during live-line maintenance, temporary cutout tool simply clamps onto primary conductor with a Grip-All clampstick
- Brass stud at lower end accepts clamp on temporary tap jumper
- Insulated bushing and hot parts are from Chance Type C-Polymer cutouts
- Upper contact with integral sleet shield and hooks for operation by loadbreak tool and lower trunnion of cast bronze
- Fusetube must be fitted with fuselink rated no larger than 100 amps
- Available in ratings for 15kV and 27kV systems
- Tools come with or without a pivot-lever closing device
- 250 in.-lb. torque for clamp eyescrew

Standard Type

Fuse Tube 100 Amps Continuous Current

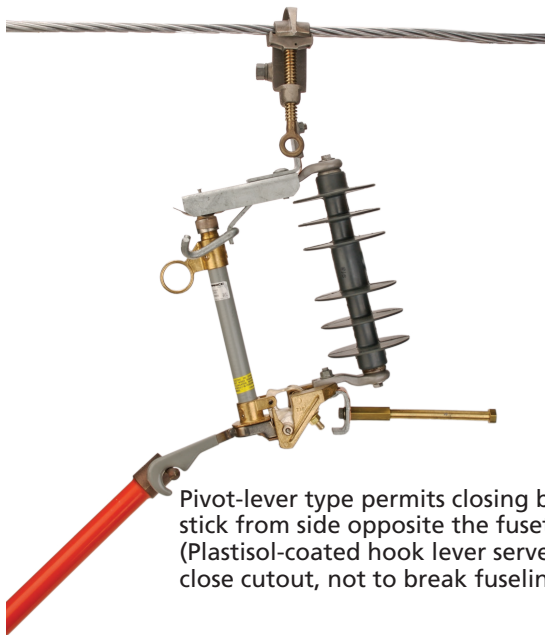
Catalog Number	REPLACES Cat. No.	System Class	Interrupt Capacity	Weight (lb/kg.)	Fuseholder Replacement
PSC6010341	C6001895	15kV	10,000 Amps	7 ¹ / ₄ / 3.3	T710112T
PSC6010342	C6001896	27kV	8,000 Amps	10 ¹ / ₂ / 4.8	T710211T

Solid Blade 300 Amps Continuous Current

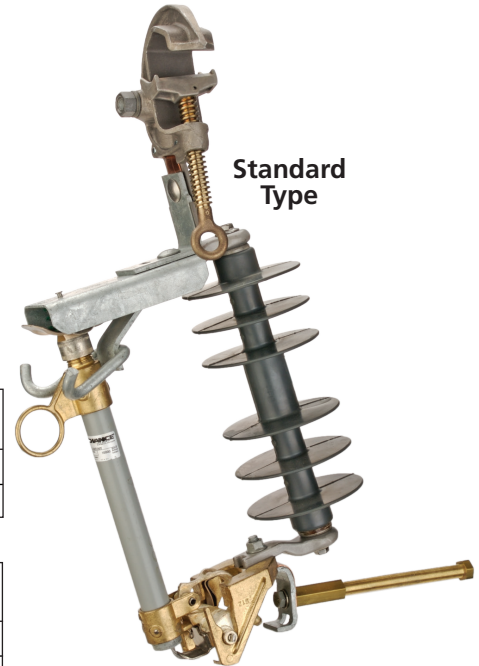
Catalog Number	REPLACES Cat. No.	System Class	Momentary Capacity	Weight (lb/kg.)	Solid Blade Replacement
PSC6010343	C6002862	15kV	12,000 Amps	8 ¹ / ₄ / 3.7	T710133T
PSC6010344	C6002863	27kV	12,000 Amps	11 ¹ / ₂ / 5.2	T710233T

All Models include Clamp C6002275 at top with these specifications:

Main Line Range		Tap Stud
Minimum	Maximum	
#6 Sol. Cu. (0.162")	1033 kcmil ACSR (1.25")	1/2" diameter



Pivot-lever type permits closing by disconnect stick from side opposite the fusetube. (Plastisol-coated hook lever serves only to close cutout, not to break fuselink.)



Standard Type



Pivot-Lever Type

Catalog No.	REPLACES Cat. No.	System Class	Weight
PSC6010345	C6001944	15kV	8 ³ / ₄ lb. / 3.97 kg.
PSC6010346	C6001945	27kV	12 lb. / 5.44 kg.

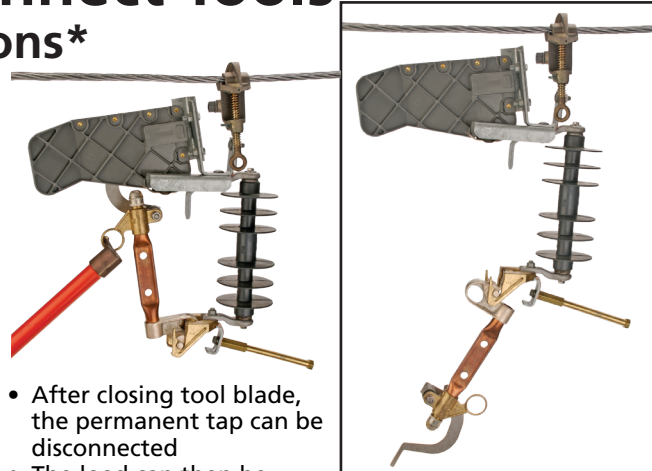
Temporary Load Disconnect Tools 8.3/15kV & 15/27kV applications*

Features & Applications

- Available in two sizes
- Provides a temporary means of connecting and disconnecting equipment or circuits under load conditions
- Design does not have a fuse and does not provide protection for fault or overcurrent conditions
- Insulated bushing and hot parts are from Chance Type C-Polymer cutouts, including tubular-copper disconnect blade
- Arc-chute-type interrupter gives tool excellent loadbreak capability
- To interrupt load currents, device employs a stainless-steel auxiliary blade within Delrin® arc chute
- Tool simply clamps onto primary conductor with a Grip-All clampstick. Bronze stud at lower end accepts clamp on temporary tap jumper
- 250 in.-lb. torque for clamp eyescrew

Operation

- Self-contained loadbreak device operates by simple disconnect stick
- No special or portable tools are required to operate unit
- To break current, insert a disconnect stick into operating ring and rapidly open device
- When opening, spring-loaded auxiliary blade snaps out through the arc chute to elongate, cool and extinguish the confined arc
- Loadbreaking operation is independent of the disconnect stick speed
- To provide a clearly visible break, the disconnect blade hangs in approximately a vertical position
- Unfused or unswitched loads can be disconnected by first installing this tool and a temporary bypass jumper in parallel with permanent tap connection



- After closing tool blade, the permanent tap can be disconnected
- The load can then be dropped or reconnected by operating blade tool
- It should never be closed into a fault or opened during a fault

Installation & Removal

- To install the tool, first remove its main blade
- Next, secure both clamps of suitable temporary jumper onto tap stud of tool's lower hinge
- Use a Grip-All clampstick to install tool onto main line conductor
- Use clampstick to secure one of the jumper clamps onto line with load to be picked up
- Use disconnect stick to place blade in lower hinge of tool
- Use disconnect stick in operating ring to close blade according to safe work procedures
- Take care when removing disconnect stick to avoid opening blade
- The equipment or circuit is now energized through the tool
- Before removing tool, first make up a permanent connection so there are two energizing paths
- Use a disconnect stick in the operating ring to open the blade according to safe work procedures and to remove blade from lower hinge of the tool
- Use a clampstick to take jumper clamp from conductor and secure it on tool stud
- Then use the clampstick to remove the tool from the main line conductor

Specifications (both models)

Max. loadbreak current: 300 amps

Max. momentary rating: †12,000 asym amps

†This is a pass-through fault-current rating only. The tool should never be opened or closed when the current exceeds the maximum continuous load current of 300 amps.

Main line range (both models)

Minimum: #6 solid copper (0.162" dia.)

Maximum: 1033 kcmil ACSR (1.25" dia.)

Tap stud: 1/2" diameter



Temporary Load Disconnect Tools

Both models include protective carrying case and illustrated operating and maintenance instructions.

Catalog No.	REPLACES Cat. No.	Description	Disconnect Blade	Arc-Chute Assy.
PSC6010347	C6002386	*8.3/15kV Temporary Load Disconnect Tool	T730133T	E7300009P
PSC6010348	C6002387	*15/27kV Temporary Load Disconnect Tool	T730233T	

*For application on single-phase-to-neutral or three-phase solidly-grounded wye-connected circuits where recovery voltage does not exceed the max. design voltage of the device.

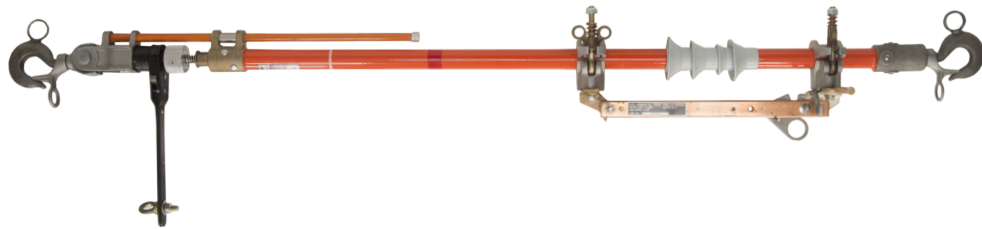


Tension Puller Switching Tool

Features & Applications

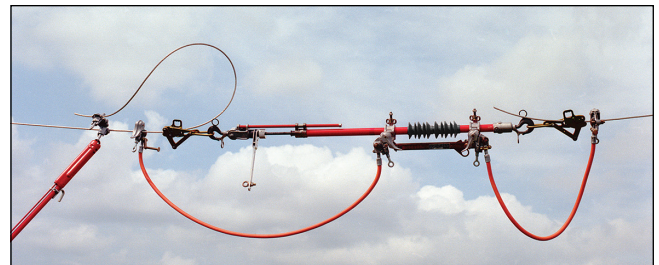
- Tested per OSHA & ASTM F711
- For line tension up to 4,000 lbs. with manual hookstick switch
- Maximum ratings: 35 kV Ø-Ø, 600 amps continuous, 150 kV BIL
- Permits a live overhead distribution line to be cut
- By bearing the mechanical load, it helps create a parallel circuit
- This averts service interruption while the cutting and related work are performed
- May be applied wherever disconnect switch is desired for temporary sectionalizing
- Tool is properly rated concerning line tension, continuous current, BIL and system voltage
- Applications that require cutting a conductor include:
 - o Deadend-structure construction
 - o Overhead switch installation on a structure
 - o In-line switch installation
- Combines two Chance products: Epoxiglas® insulated

- tension puller and LTD® line-tension disconnect switch
- For this special tool, weathershed skirts of a tough, lightweight polymer have been bonded to the tension puller's 1-1/2"-diameter Epoxiglas pole
- At both skirt ends, a locating pin aligns a compression clamp to secure switch hot parts to pole
- A bypass stud (1/2"-dia.) added at each end of switch accepts clamps up to 3" wide
- Rigid, H-frame copper switch blade opens to a standard 90°, or to 180° with stop pin removed
- Contact areas are silver-plated for high conductivity
- Galvanized-steel hooks are provided for use with a portable loadbreak device
- For easy opening and icebreaking, pull ring (1-1/4"-dia. eye) activates latch as a pry-lever
- Hooks on ends are fixed and do not swivel
- Safety latch on hooks has a spring-loaded gate able to rotate 135 degrees left or right from closed position
- Selector lever on ratchet wrench is extra large for easier operation by hot line tools



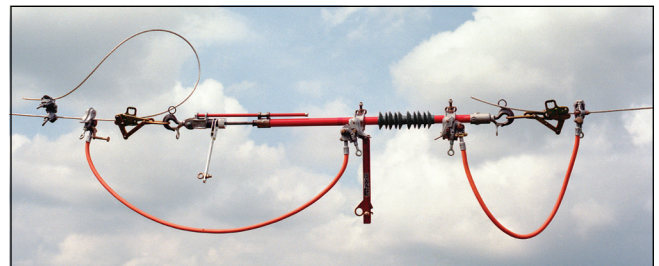
Installation & Operation

- Equipped with rings, tool may be handled and operated by hot-line tools or rubber-glove live-line techniques
- Illustrated instructions included with each unit give application considerations and procedures for installation, operation and maintenance
- Suspended from hot-line wire grips with the disconnect switch closed, tension puller works like a jack
- Operating the ratchet wrench brings the tool's two ends closer
- This reduces tension on the conductor between the tool's hooks
- Hot line jumpers sized to the application are installed on the conductor and the tool's bypass studs to create a parallel circuit
- Before cutting the conductor, it is securely restrained
- Once cut, its long tail is clamped back onto itself
- A properly rated portable loadbreak device may now be hung on the tool's disconnect hooks and used to open the switch
- Refer to ANSI C37.35 IEEE Guide for the Application, Installation, Operation and Maintenance of High



Voltage Air Disconnecting and Load Interruption Switches

- For proper installation, select from four sizes of hot-line wire grips shown on Chance catalog page 1258 and the full range of jumper equipment in this section
- To secure cut end of conductor, tie back clamp C4000600, shown on Chance catalog page 2264, fits conductors ranging from #4 to 397.4 kcmil ACSR



Operate disconnect switch with **only** a portable loadbreak tool.

Specifications

Capacity:	4,000 lb. (1,800 kg.)
Working Range:	58 to 70 in. (1,473 to 1,778 mm)
Maximum Take-up:	12 in. (305 mm)
Insulation:	
Minimum	24 in. (610 mm)
Maximum	36 in. (914 mm)
Length:	60 in. (1,524 mm)

Catalog No.	Description	Weight
C4001907	Tension Puller Switching Tool	22 lb. / 9.9 kg.



NOTES

Lined area for notes, consisting of horizontal ruling lines.



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