

SALISBURY

by Honeywell

5H RATED GROUNDING

Salisbury has updated the ratings of eleven ground clamps and 4/0 cable assemblies to ASTM 855, Table 2, 5H.



Features

Grounding Component Sets Meet Grade 5H to Support the X/R=30 Ratio

- Tested components and assemblies meet 5H X/R=30 Ratio applications and scenarios

Custom Labels Available

- Create your own customized label for your 5H rated grounding assemblies
- Customize your label to identify the correct rated assembly in the field

Reliable Equipment and Installation

- High-quality grounding products that you have come to expect from Salisbury

Agency Listings

ASTM



Ordering Information

See technical file on reverse for a complete listing of the part numbers.

ACCESSORIES / CLEANING RECOMMENDATIONS

Properly disassemble the grounding jumper assembly and thoroughly clean all current carrying interfaces with isopropyl alcohol and a stiff wire brush.

5H RATED GROUNDING COMPONENTS & ASSEMBLIES

Salisbury by Honeywell knows it is important to our customers to offer the latest and greatest products and to adapt to the market's ever changing and developing needs. Due to the expanding National Electric Grid, an increase in power has created needs for higher rated grounding components and accessories. In order to ensure Salisbury was meeting these challenges and changes in the asymmetrical grounding market, we updated the ratings of 11 ground clamps and our 4/0 cable assembly to meet the requirements of ASTM F-855, 5H.

When should utilities consider using the X/R=30 ratio? The available fault currents, from all sources, must be considered when selecting temporary protective grounding equipment. Because available fault currents have increased and work near or within substations is often required; additional selection criteria is necessary to account for the various X/R=30 (reactance versus resistance ratio) values that may be encountered in the field.

The Salisbury Advantage

You can now be confident that Salisbury's 5H clamps and assemblies will meet or exceed your 5H grounding applications. And, as with all of our grounding assemblies, you have the option to create customized labels for your 5H rated grounding set.



5H RATED GROUNDING

Meeting Requirements of ASTM F855, Table 2 - Grade 5H

STANDARDS INFORMATION

ASTM F855-09	Standard Specification for Temporary Protective Grounds to Be Used on De-Energized Electric Power Lines and Equipment
Grade	5H (Refer to CATALOG NUMBER & ORDERING INFORMATION)
Class	A, B (Refer to CATALOG NUMBER & ORDERING INFORMATION)

ELECTRICAL SPECIFICATIONS

High Asymmetrical Grade	X/R	Size AWG	Rated Current Amps, RMS, 60 Hz	1st Cycle Peak Amps	Last Cycle Peak Amps	Test Duration Cycles
5H	30	4/0	47,000	126,000	70,000	15

MECHANICAL SPECIFICATIONS

Grade	Yield Torque, min lbf-in (N-m)	Ultimate Torque, min lbf-in (N-m)
5H	330 (37)	400 (45)

CATALOG NUMBER & ORDERING INFORMATION

CATALOG NO.	DESCRIPTION	ASTM GRADE/CLASS	MAIN LINE RANGE	CONTINUOUS CURRENT RATING	RECOMMENDED GROUNDING CABLE	RECOMMENDED FERRULES
21074	2" Aluminum C Clamp With Curved Lower Jaw Smooth- Acme Thread With Strain Relief	5H/A	3000 MCM ACSR to #6, 2"-1.6" (51 mm-4 mm) Diameter	400 RMS Amps, 60 Hz	4/0	4/0
21075	2" Aluminum C Clamp With Curved Lower Jaw Smooth- Acme Thread Without Strain Relief	5H/A	3000 MCM ACSR to #6, 2"-1.6" (51 mm-4 mm) Diameter	400 RMS Amps, 60 Hz	4/0	4/0
20882	2" Aluminum C Clamp With Curved Lower Jaw Serrated- Acme Thread With Strain Relief	5H/B	3000 MCM ACSR to #6, 2"-1.6" (51 mm-4 mm) Diameter	400 RMS Amps, 60 Hz	4/0	4/0
21077	2" Aluminum C Clamp With Curved Lower Jaw Serrated- Acme Thread Without Strain Relief	5H/B	3000 MCM ACSR to #6, 2"-1.6" (51 mm-4 mm) Diameter	400 RMS Amps, 60 Hz	4/0	4/0
4295	2.4" Bronze C Clamp With Flat Lower Jaw Smooth- Acme Thread With Strain Relief	5H/A	2.0" I.P.S. to #6, 2.4"-1.6" (61 mm-4 mm) Diameter	400 RMS Amps, 60 Hz	4/0	4/0
4311	2.4" Bronze C Clamp With Flat Lower Jaw Smooth- Acme Thread Without Strain Relief	5H/A	2.0" I.P.S. to 3.5"-1.75" (61 mm-4 mm) Diameter	400 RMS Amps, 60 Hz	4/0	4/0
21953	3.5" Aluminum C Clamp For Substation Buses Smooth- Acme Thread With Strain Relief	5H/A	3"-1.5" I.P.S. to #6, 3.5"-1.75" (89 mm-44 mm) Diameter	400 RMS Amps, 60 Hz	4/0	4/0
2991	6.62" Adjustable Aluminum C Clamp for Round, Square, Rectangle or "H" Section Substation Buses Smooth- Acme Thread, With Strain Relief	5H/A	6.12" I.P.S. to #6.62"-4" (168 mm-10 mm) Diameter	400 RMS Amps, 60 Hz	4/0	4/0
2567	Heavy Duty Bronze C Type Flat Jaw Clamp Serrated With Strain Relief	5H/B	Angles & Flats: 2.5"-4" WX (64-101 mm X 3-19 mm) Rounds: .25"-.75" (6 mm-19 mm) Diameter	N/A	4/0	4/0
22675	1" Ball Stud C Clamp Double Lead V-Thread With Strain Relief	5H/A	1.5"-1.6" (38 mm-4 mm) Diameter	400 RMS Amps, 60 Hz	4/0	4/0
22704	1" Ball Stud C Clamp Double Lead V-Thread Without Strain Relief	5H/A	1.5"-1.6" (38 mm-4 mm) Diameter	400 RMS Amps, 60 Hz	4/0	4/0

GROUNDING CABLE

2139	4/0 -2109W, 0.062" Diameter, Stranded, 0.83" Overall Diameter- Yellow Grounding Cable
2639	4/0 -2109W, 0.062" Diameter, Stranded, 0.78" Overall Diameter- Black Grounding Cable
2288	4/0- 2109W, 0.062" Diameter, Stranded, 0.84" Overall Diameter- PVC/Clear Grounding Cable

FERRULES

2025	4/0 Threaded Ferrule- Copper- Unshrouded
24166	4/0 Threaded Threaded Ferrule- Copper- Shrouded

*Add suffix "A" to the catalog number when requesting a custom assembled ground set.

