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ABB 通贝 (Thomas&Betts) 电气连接器和元器件
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***Welcome to the
Boreal Braidings
Switchgear and Transformer Links
Specifier's Guide.***

The Specifier's Guide makes the selection of the most popular flexible connectors for switchgears and transformers easier than ever.

Dedicated to Field Technicians, Designers and Specification Writers, this Guide includes Selection Charts for a quick overview of the most popular flexible connectors and key specifications. Individual product Datasheets with pictures will facilitate the choosing of the right flexible connector that most suit your specific application while eliminating costly mistakes.

"Exceeding Customer Expectations"

Boreal Braidings, North America's leading producer of high quality flexible connectors, grounding straps and related products, has constantly re-invested most of their profits in the Research and Development of state of the art tooling and equipment in order to produce some of the best and reliable flexible connectors in the industry.

New products are continuously being developed to meet industry requirements. Our commitment to develop unique solutions for Customer applications has earned Boreal a reputation of excellence for Quality and Customer satisfaction.

Specifications



How to use the Specifier's Guide.

Determine the flexibility needed for your application

Construction using 36 AWG individual wires (refer to EX series) are most suitable for heavy duty application wherever it is necessary to take up expansion, severe vibration and/or misalignment when connecting Transformers, Switchgears, Generators or Busbars.

Standard construction using 30 AWG individual wires are suitable for medium duty applications. If needed, all constructions and/or configurations in this Guide, can be supplied using 36 AWG for extra flexibility.

Rating of the connectors

It is important to note that the Ampere ratings in this Guide are suggested for use as a guide only. If needed, we can certify ampacity of all connectors with our top of the line automatic heating laboratory using CEI60694 standards. Performance certificate gives you the assurance that our connectors are suitable for your application. Actual values used for a given application will depend on such factors as temperature rise, number of cables together, permissible voltage and other conditions of service and should be verified by the application engineer.

Ferrules and Plating

Ferrules are made of high conductivity seamless 99.9% pure copper that are electro-tin plated prior to forming on each end of the assembly. This procedure is important to eliminate any surface corrosion between the inside of the ferrule and the braids before compression that can affect the connector's performance.

For increase pad conductivity, 30, 50 or 100 microns Silver plated ferrules are available. Nickel plating or bare copper is also available upon request.

Length of the assemblies

All assembly length are in millimeters and are measured from end to end. The last digits of the part numbers determine the length of the connector. If necessary, use the Offset calculation guide on page 41 to help you determine the total length of the assembly.

For patterns and/or constructions not listed in this Guide

For a special request, send us a copy of your drawing with your specific requirements so that we can conceive and build the flexible connectors to your exact specification.

Insulation Option

If needed, a wide range of insulation types is available depending on the application, voltage and temperature rating.

Selection Chart

Switchgear and Transformer Links



Technical Specifications

Configuration	Type	Ind. Wire Gage Size	Width Range (in.)	Rating Range (Amps)	Comments	Page
Extra-flexible Links for Heavy-Duty Application						
	EXA	36 AWG	1-1/2 – 1-5/8	350 – 1000 A	Extra Flexible 1 hole NEMA Boreal's Top of the line	7
	EXB	36 AWG	1-1/2 – 1-5/8	400 – 2000 A	Extra Flexible 2 holes NEMA Boreal's Top of the line	8
	EXG	36 AWG	1-3/4 – 2	900 – 1650 A	Extra Flexible Transformer Link	9
	EXH	36 AWG	3 – 4	1400 – 4000 A	Extra Flexible 4 holes NEMA Boreal's Top of the line	10
	EXJ	36 AWG	3-1/4 – 3-3/4	2300 – 3600 A	Extra Flexible 90° 4 holes NEMA Boreal's Top of the line	11
Standard flexible Links for Medium-Duty Application						
	SWA	30 AWG	1-1/4 – 1-3/4	350 – 1000 A	NEMA std. Grounding Connectors	12
	STB	30 AWG	1-1/2 – 1-5/8	400 – 2000 A	Same as EXB with 30 awg wires	14
	SWB	30 AWG	1-1/2 – 2	700 – 1750 A	Standard Transformer Link	13
	SWB	30 AWG	1-1/2 – 2	700 – 1750 A	Same construction as SWB with different hole pattern	13
	SWC	30 AWG	3	1300 – 2350 A	4 hole pads also available in wider configuration, refer to EXH, SWD and LTL series	15
	SWC	30 AWG	3	1300 – 2350 A	Same construction as SWC Type A with different hole configuration	17
	SWC	30 AWG	3	1300 – 2350 A	Same construction as SWC Type A with different hole configuration	18
	SWC	30 AWG	3	1300 – 2350 A	Same construction as SWC Type A with different hole configuration	19

Selection Chart

Switchgear and Transformer Links



Technical Specifications

Configuration	Type	Ind. Wire Gage Size	Width Range (in.)	Rating Range (Amps)	Comments	Page
Standard Flexible Links for Medium-Duty Application						
	SWC	30 AWG	3	1300 – 2350 A	Same construction as SWC with different hole configuration	20
	SWC	30 AWG	3	1300 – 2350 A	Same construction as SWC with different hole configuration	21
	SWC	30 AWG	3	1300 – 2350 A	Same construction as SWC with different hole configuration	22
	SWC	30 AWG	3	1300 – 2350 A	Same construction as SWC with different hole configuration	23
	SWC	30 AWG	2 – 4	600 – 1850 A	Same construction as SWC with different hole configuration	24
	SWD	30 AWG	3-3/4 – 4-3/4	1600 – 2100 A	4 holes Transformer Link	25
	SWC	30 AWG	3	1300 – 2100 A	1 to 4 holes Transformer Link	16
	SWD	30 AWG	3-3/4 – 4-3/4	1300 – 2100 A	1 to 4 holes Transformer Link	16
	SWD	30 AWG	3-3/4 – 4-3/4	1600 – 2100 A	2 to 4 holes Transformer Link	26
	SWD	30 AWG	3-3/4 – 4-3/4	1600 – 2100 A	3 to 4 holes Transformer Link	27
	SWE	30 AWG	3	1400 – 1600 A	6 to 4 holes Transformer Link	28
	SWF	30 AWG	3-3/4 – 4-3/4	1700 – 2300 A	6 to 4 holes Transformer Link	28
	SWE	30 AWG	3	1400 – 1600 A	6 holes Transformer Link	29
	SWF	30 AWG	3-3/4 – 4-3/4	1700 – 2300 A	6 holes Transformer Link	29

BOREAL
braidings

EXA Series

36 AWG Individual Strand

BOREAL
braidings



Extra-Flexible Connectors

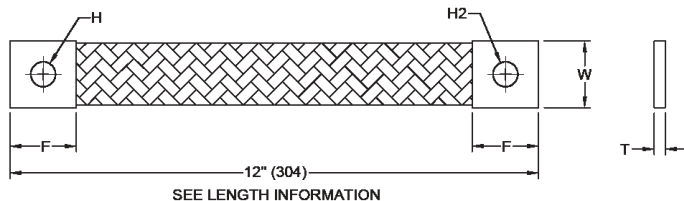
1 Hole NEMA Standard

Description:

1 hole NEMA, Extra-Flexible braided connectors using 36 AWG individual wires in braid construction for extra flexibility. These connectors are made with tin or silver plated high conductivity 99.9% pure copper ferrules formed on each end. Individual wires used in braid are tinned prior to weaving so that maximum protection from corrosion is provided.

Application:

These highly flexible connectors are suitable wherever it is necessary to take up expansion, severe vibration and/or misalignment when connecting Transformers, Switchgear, Generators or Busbars.



ORDERING INFORMATION

Length: Standard total lengths are 304 mm (12"). If different lengths are required, add your desired length in millimeters at the end of the part number.
Ex.: EXA050A1**406** (for 16" long)

Plating: Standard ferrules are electro-tin plated. Other options are available, please refer to page 3.

Technical Specifications

Cat. No.	*Ampacity Δ 65°C	No. of Braids in assembly	W in. (mm)	F in. (mm)	H in. (mm)	H2 in. (mm)	T in. (mm)	Weight lb (gr)
EXA035A1	350	1	1-1/2 (38)	1-1/2 (38)	9/16 (14.3)	9/16 (14.3)	3/16 (4.7)	0.49 (222)
EXA035A2	350	1	1-1/2 (38)	1-1/2 (38)	9/16 (14.3)	7/16 (11.1)	3/16 (4.7)	0.49 (222)
EXA035A3	350	1	1-1/2 (38)	1-1/2 (38)	7/16 (11.1)	7/16 (11.1)	3/16 (4.7)	0.49 (222)
EXA050A1	500	2	1-1/2 (38)	1-1/2 (38)	9/16 (14.3)	9/16 (14.3)	1/4 (6.4)	0.84 (381)
EXA050A2	500	2	1-1/2 (38)	1-1/2 (38)	9/16 (14.3)	7/16 (11.1)	1/4 (6.4)	0.84 (381)
EXA050A3	500	2	1-1/2 (38)	1-1/2 (38)	7/16 (11.1)	7/16 (11.1)	1/4 (6.4)	0.84 (381)
EXA070A1	700	4	1-1/2 (38)	1-1/2 (38)	9/16 (14.3)	9/16 (14.3)	3/8 (9.5)	1.54 (699)
EXA070A2	700	4	1-1/2 (38)	1-1/2 (38)	9/16 (14.3)	7/16 (11.1)	3/8 (9.5)	1.54 (699)
EXA070A3	700	4	1-1/2 (38)	1-1/2 (38)	7/16 (11.1)	7/16 (11.1)	3/8 (9.5)	1.54 (699)
EXA100A1	1000	6	1-9/16 (40)	1-9/16 (40)	9/16 (14.3)	9/16 (14.3)	1/2 (17.7)	2.31 (1048)
EXA100A2	1000	6	1-9/16 (40)	1-9/16 (40)	9/16 (14.3)	7/16 (11.1)	1/2 (17.7)	2.31 (1048)
EXA100A3	1000	6	1-9/16 (40)	1-9/16 (40)	7/16 (11.1)	7/16 (11.1)	1/2 (17.7)	2.31 (1048)

*Temperature Rise test per; CEI60694, IEEE / ANSI C37, 34 1994

Thomas & Betts

EXB Series

36 AWG Individual Strand



Extra-Flexible Connectors

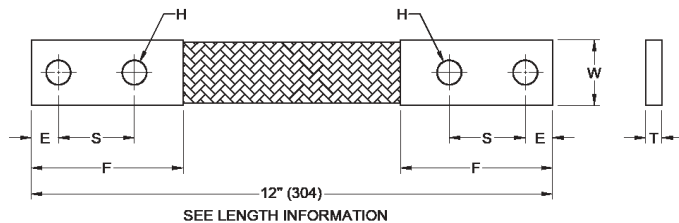
2 Holes NEMA Standard

Description:

2 holes NEMA, Extra-Flexible braided connectors using 36 AWG individual wires in braid construction for extra flexibility. These connectors are made with tin or silver plated high conductivity 99.9% pure copper ferrules formed on each end. Individual wires used in braid are tinned prior to weaving so that maximum protection from corrosion is provided.

Application:

These highly flexible connectors are suitable wherever it is necessary to take up expansion, severe vibration and/or misalignment when connecting Transformers, Switchgear, Generators or Busbars.



ORDERING INFORMATION

Length: Standard total lengths are 304 mm (12"). If different lengths are required, add your desired length in millimeters at the end of the part number. Ex.: EXB040A1**406** (for 16" long)

Plating: Standard ferrules are electro-tin plated. Other options are available, please refer to page 3.

Technical Specifications

Cat. No.	*Ampacity Δ 65°C	No. of braids in assembly	W in. (mm)	F in. (mm)	E in. (mm)	S in. (mm)	H in. (mm)	T in. (mm)	Weight lb (gr)
EXB040A1	400	1	1-1/2 (38.1)	3-1/2 (90)	5/8 (16)	1-3/4 (44.4)	9/16 (14.3)	3/16 (4.7)	0.63 (286)
EXB070A1	700	2	1-1/2 (38.1)	3-1/2 (90)	5/8 (16)	1-3/4 (44.4)	9/16 (14.3)	1/4 (6.3)	0.97 (440)
EXB090A1	900	3	1-1/2 (38.1)	3-1/2 (90)	5/8 (16)	1-3/4 (44.4)	9/16 (14.3)	11/32 (9.5)	1.30 (590)
EXB110A1	1100	4	1-1/2 (38.1)	3-1/2 (90)	5/8 (16)	1-3/4 (44.4)	9/16 (14.3)	3/8 (9.5)	1.66 (753)
EXB150A1	1500	6	1-1/2 (38.1)	3-1/2 (90)	5/8 (16)	1-3/4 (44.4)	9/16 (14.3)	1/2 (12.7)	2.26 (1025)
EXB170A1	1700	9	1-9/16 (40)	3-1/2 (90)	5/8 (16)	1-3/4 (44.4)	9/16 (14.3)	3/4 (19)	3.71 (1683)
EXB200A1	2000	13	1-9/16 (40)	3-1/2 (90)	5/8 (16)	1-3/4 (44.4)	9/16 (14.3)	1 (25.4)	5.21 (2363)

*Temperature Rise test per; CEI60694, IEEE / ANSI C37, 34 1994

EXG Series

36 AWG Individual Strand

BOREAL
braidings



Extra-Flexible Connectors

3 / 2 Holes NEMA Standard

Description:

3 / 2 holes NEMA, Extra-Flexible braided connectors using 36 AWG individual wires in braid construction for extra flexibility. These connectors are made with tin or silver plated high conductivity 99.9% pure copper ferrules formed on each end. Individual wires used in braid are tinned prior to weaving so that maximum protection from corrosion is provided.

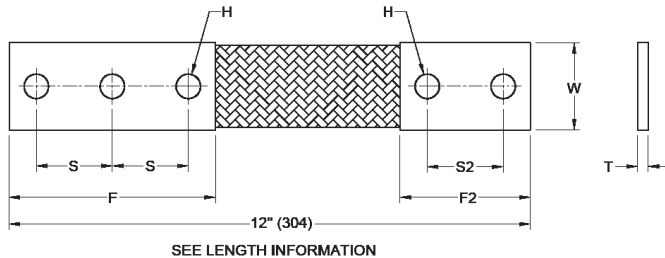
Application:

These highly flexible connectors are suitable wherever it is necessary to take up expansion, severe vibration and/or misalignment when connecting Transformers, Switchgear, Generators or Busbars.

ORDERING INFORMATION

Length: Standard total lengths are 304 mm (12"). If different lengths are required, add your desired length in millimeters at the end of the part number. Ex.: EXG140A1**406** (for 16" long)

Plating: Standard ferrules are electro-tin plated. Other options are available, please refer to page 3.



Technical Specifications

Cat. No.	*Ampacity Δ 65°C	W in. (mm)	F in. (mm)	S in. (mm)	H in. (mm)	F2 in. (mm)	S2 in. (mm)	T in. (mm)	Weight lb (gr)
EXG090A1	900	2 (50.8)	4-3/4 (120.6)	1-3/4 (44.4)	9/16 (14.3)	3 (76.2)	1-3/4 (44.4)	1/4 (6.3)	1.55 (703)
EXG090A2	900	2 (50.8)	4-1/2 (114.4)	1-1/2 (38.1)	9/16 (14.3)	3 (76.2)	1-3/4 (44.4)	1/4 (6.3)	1.55 (703)
EXG140A1	1400	1-3/4 (44.4)	4-3/4 (120.6)	1-3/4 (44.4)	9/16 (14.3)	3 (76.2)	1-3/4 (44.4)	1/2 (12.7)	2.17 (984)
EXG140A2	1400	1-3/4 (44.4)	4-1/2 (114.4)	1-1/2 (38.1)	9/16 (14.3)	3 (76.2)	1-3/4 (44.4)	1/2 (12.7)	2.17 (984)
EXG165A1	1650	2 (50.8)	4-3/4 (120.6)	1-3/4 (44.4)	9/16 (14.3)	3 (76.2)	1-3/4 (44.4)	1/2 (12.7)	2.69 (1220)
EXG165A2	1650	2 (50.8)	4-1/2 (114.4)	1-1/2 (38.1)	9/16 (14.3)	3 (76.2)	1-3/4 (44.4)	1/2 (12.7)	2.69 (1220)

*Temperature Rise test per; CEI60694, IEEE / ANSI C37, 34 1994

EXH Series

36 AWG Individual Strand



Extra-Flexible Connectors

4 Holes NEMA Standard

Description:

4 holes NEMA, Extra-Flexible braided connectors using 36 AWG individual wires in braid construction for extra flexibility. These connectors are made with tin or silver plated high conductivity seamless 99.9% pure copper ferrules formed on each end. Individual wires used in braid are tinned prior to weaving so that maximum protection from corrosion is provided.

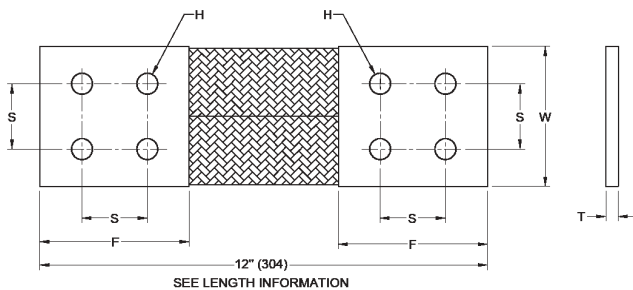
Application:

These highly flexible connectors are suitable wherever it is necessary to take up expansion, severe vibration and/or misalignment when connecting Transformers, Switchgear, Generators or Busbars.

ORDERING INFORMATION

Length: Standard total lengths are 304 mm (12"). If different lengths are required, add your desired length in millimeters at the end of the part number. Ex.: EXH150A1**406** (for 16" long)

Plating: Standard ferrules are electro-tinned plated. Other options are available, please refer to page 3.



Technical Specifications

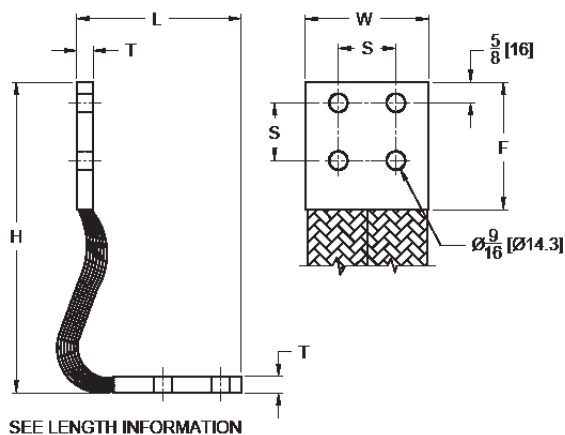
Cat. No.	*Ampacity Δ 65°C	No. of Braids in assembly	W in. (mm)	F in. (mm)	S in. (mm)	H in. (mm)	T in. (mm)	Weight lb (gr)
EXH140A1	1400	4	3 (76)	3 (76)	1-3/4 (44)	9/16 (14)	1/4 (6.4)	1.91 (866)
EXH150A1	1500	6	3 (76)	3 (76)	1-3/4 (44)	9/16 (14)	11/32 (8.7)	2.57 (1166)
EXH235A1	2350	8	3-3/4 (96)	4 (101)	1-3/4 (44)	9/16 (14)	3/8 (9.5)	4.00 (1814)
EXH245A1	2450	12	3-3/4 (96)	4 (101)	1-3/4 (44)	9/16 (14)	1/2 (12.7)	5.32 (2413)
EXH250A1	2500	16	3-5/8 (92)	4 (101)	1-3/4 (44)	9/16 (14)	5/8 (15.9)	6.60 (2994)
EXH340A1	3400	30	4 (101)	4 (101)	1-3/4 (44)	9/16 (14)	7/8 (22.3)	11.36 (5153)
EXH400A1	4000	40	4 (101)	4 (101)	1-3/4 (44)	9/16 (14)	1-1/8 (28.6)	15.57 (7063)

*Temperature Rise test per; CEI60694, IEEE / ANSI C37, 34 1994

EXJ Series

36 AWG Individual Strand

BOREAL
braidings



90° Extra-Flexible Connectors

4 Holes NEMA Standard

Description:

4 holes NEMA, 90° shape, Extra-Flexible braided connectors using 36 AWG individual wires in braid construction for extra flexibility. These connectors are made with tin or silver plated high conductivity seamless copper ferrules formed on each end. Individual wires used in braid are tinned prior to weaving so that maximum protection from corrosion is provided.

Application:

These highly flexible 90° connectors are suitable wherever it is necessary to take up expansion, severe vibration and/or misalignment when connecting Transformers, Switchgear, Generators or Busbars.

ORDERING INFORMATION

Length: For different lengths, add your desired length (H & L) in millimeters at the end of the part number.

Ex.: EXJ230A1-279-140
 H L

Plating: Standard ferrules are electro-tinned plated. Other options are available, please refer to page 3.

Technical Specifications

Cat. No.	*Ampacity Δ 65°C	No. of Braids in assembly	H in. (mm)	L in. (mm)	W in. (mm)	F in. (mm)	S in. (mm)	T in. (mm)	Weight lb (gr)
EXJ230A1	2300	8	11 (279)	5 (127)	3-3/4 (95)	3-7/8 (98)	1-3/4 (44.4)	3/8 (9.5)	3.84 (1742)
EXJ230A2	2300	8	11 (279)	6 (152)	3-3/4 (95)	3-7/8 (98)	1-3/4 (44.4)	3/8 (9.5)	3.84 (1742)
EXJ230A3	2300	8	11 (279)	9 (229)	3-3/4 (95)	3-7/8 (98)	1-3/4 (44.4)	3/8 (9.5)	3.84 (1742)
EXJ260A1	2600	12	11 (279)	5 (127)	3-3/4 (95)	3-7/8 (98)	1-3/4 (44.4)	1/2 (12.7)	5.20 (2359)
EXJ260A2	2600	12	11 (279)	6 (152)	3-3/4 (95)	3-7/8 (98)	1-3/4 (44.4)	1/2 (12.7)	5.20 (2359)
EXJ260A3	2600	12	11 (279)	9 (229)	3-3/4 (95)	3-7/8 (98)	1-3/4 (44.4)	1/2 (12.7)	5.20 (2359)
EXJ300A1	3000	20	11 (279)	5 (127)	3-5/8 (92)	3-3/4 (95)	1-3/4 (44.4)	3/4 (19)	7.89 (3579)
EXJ300A2	3000	20	11 (279)	6 (152)	3-5/8 (92)	3-3/4 (95)	1-3/4 (44.4)	3/4 (19)	7.89 (3579)
EXJ300A3	3000	20	11 (279)	9 (229)	3-5/8 (92)	3-3/4 (95)	1-3/4 (44.4)	3/4 (19)	7.89 (3579)
EXJ360A1	3600	26	11 (279)	4-1/2 (114)	3-1/4 (83)	3-5/8 (92)	1-3/4 (44.4)	1 (25.4)	9.85 (4468)
EXJ360A2	3600	26	11 (279)	5-1/2 (140)	3-1/4 (83)	3-5/8 (92)	1-3/4 (44.4)	1 (25.4)	9.85 (4468)
EXJ360A3	3600	26	11 (279)	9 (229)	3-1/4 (83)	3-5/8 (92)	1-3/4 (44.4)	1 (25.4)	9.85 (4468)

*Temperature Rise test per; CEI60694, IEEE / ANSI C37, 34 1994

SWA Series

30 AWG Individual Strand

BOREAL
braidings



Standard Flexible Connectors

1 Hole NEMA Standard

Description:

1 hole NEMA, Flexible braided connectors using 30 AWG individual wires in braid construction for extra flexibility. These connectors are made with tin or silver plated high conductivity 99.9% pure copper ferrules formed on each end. Individual wires used in braid are tinned prior to weaving so that maximum protection from corrosion is provided.

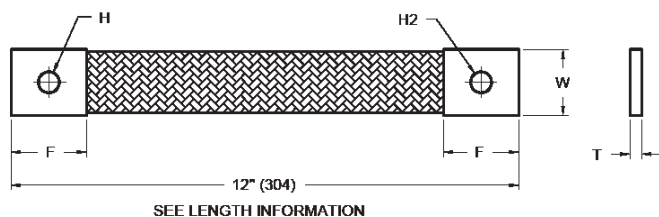
Application:

These highly flexible connectors are suitable wherever it is necessary to take up expansion, severe vibration and/or misalignment when connecting Transformers, Switchgear, Generators or Busbars.

ORDERING INFORMATION

Length: Standard total lengths are 304 mm (12"). If different lengths are required, add your desired length in millimeters at the end of the part number.
Ex.: SWA100A3406 (for 16" long)

Plating: Standard ferrules are electro-tin plated. Other options are available, please refer to page 3.



Technical Specifications

Cat. No.	*Ampacity Δ 65°C	W in. (mm)	F in. (mm)	H in. (mm)	H2 in. (mm)	T in. (mm)	Weight lb (gr)
SWA035A1	350	1-1/4 (31.8)	1-1/2 (38.1)	9/16 (14.3)	9/16 (14.3)	1/4 (6.3)	0.48 (218)
SWA035A2	350	1-1/4 (31.8)	1-1/2 (38.1)	9/16 (14.3)	7/16 (11.1)	1/4 (6.3)	0.48 (218)
SWA035A3	350	1-1/4 (31.8)	1-1/2 (38.1)	7/16 (11.1)	7/16 (11.1)	1/4 (6.3)	0.48 (218)
SWA055A1	550	1-3/8 (34.9)	1-1/2 (38.1)	9/16 (14.3)	9/16 (14.3)	7/32 (5.6)	0.63 (286)
SWA055A2	550	1-3/8 (34.9)	1-1/2 (38.1)	9/16 (14.3)	7/16 (11.1)	7/32 (5.6)	0.63 (286)
SWA055A3	550	1-3/8 (34.9)	1-1/2 (38.1)	7/16 (11.1)	7/16 (11.1)	7/32 (5.6)	0.63 (286)
SWA070A1	700	1-1/2 (38.1)	1-1/2 (38.1)	9/16 (14.3)	9/16 (14.3)	1/4 (6.3)	0.95 (431)
SWA070A2	700	1-1/2 (38.1)	1-1/2 (38.1)	9/16 (14.3)	7/16 (11.1)	1/4 (6.3)	0.95 (431)
SWA070A3	700	1-1/2 (38.1)	1-1/2 (38.1)	7/16 (11.1)	7/16 (11.1)	1/4 (6.3)	0.95 (431)
SWA070A4	700	2 (50.8)	2 (50.8)	9/16 (14.3)	9/16 (14.3)	1/4 (6.3)	0.95 (431)
SWA100A1	1000	1-3/4 (44.4)	2 (50.8)	9/16 (14.3)	9/16 (14.3)	1/2 (12.7)	1.23 (558)
SWA100A2	1000	1-3/4 (44.4)	2 (50.8)	9/16 (14.3)	7/16 (11.1)	1/2 (12.7)	1.23 (558)
SWA100A3	1000	1-3/4 (44.4)	2 (50.8)	7/16 (11.1)	7/16 (11.1)	1/2 (12.7)	1.23 (558)

*Temperature Rise test per; CEI60694, IEEE / ANSI C37, 34 1994

SWB Series

30 AWG Individual Strand

BOREAL
braidings

Standard Flexible Connectors

2 holes NEMA Standard

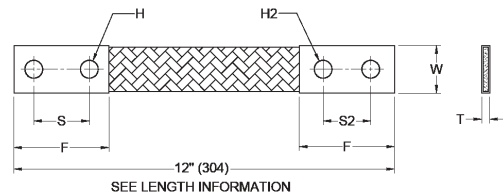
ORDERING INFORMATION

Length: Standard total lengths are 304 mm (12"). If different lengths are required, add you desired length in millimeters at the end of the part number. Ex.: SWB070A1**406** (for 16" long)

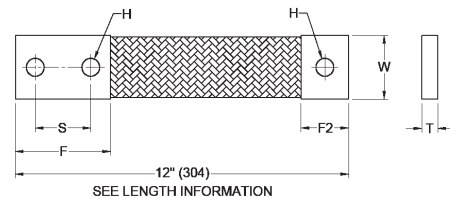
Plating: Standard ferrules are electro-tin plated. Other options are available, please refer to page 3.



Switchgear and Transformer Links



Cat. No.	*Ampacity Δ 65°C	W in. (mm)	F in. (mm)	S in. (mm)	H in. (mm)	S2 in. (mm)	H2 in. (mm)	T in. (mm)	Weight lb (gr)
SWB070A1	700	2 (50.8)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-3/4 (44.4)	9/16 (14.3)	1/4 (6.3)	1.07 (485)
SWB070A2	700	1-1/2 (38.1)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-3/4 (44.4)	9/16 (14.3)	1/4 (6.3)	1.07 (485)
SWB070A3	700	1-1/2 (38.1)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-1/2 (38.1)	9/16 (14.3)	1/4 (6.3)	1.07 (485)
SWB070A4	700	1-1/2 (38.1)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-1/2 (38.1)	7/16 (11.1)	1/4 (6.3)	1.07 (485)
SWB105A1	1050	1-3/4 (44.4)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-3/4 (44.4)	9/16 (14.3)	1/2 (12.7)	1.42 (644)
SWB175A1	1750	2 (50.8)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-3/4 (44.4)	9/16 (14.3)	1/2 (12.7)	3.06 (1388)



Cat. No.	*Ampacity Δ 65°C	W in. (mm)	F in. (mm)	S in. (mm)	H in. (mm)	S2 in. (mm)	H2 in. (mm)	T in. (mm)	Weight lb (gr)
SWB070B1	700	1-1/2 (38.1)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	—	—	1/4 (6.3)	1.04 (472)
SWB105B1	1050	1-3/4 (44.4)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	—	—	1/2 (12.7)	1.37 (621)
SWB175B1	1750	2 (50.8)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	—	—	1/2 (12.7)	3.00 (1361)

STB Series

30 AWG Individual Strand

BOREAL
braidings



Standard Flexible Connectors

2 Holes NEMA Standard

Description:

2 holes NEMA, Flexible braided connectors using 30 AWG individual wires in braid construction for extra flexibility. These connectors are made with tin or silver plated high conductivity seamless 99.9% pure copper ferrules formed on each end. Individual wires used in braid are tinned prior to weaving so that maximum protection from corrosion is provided.

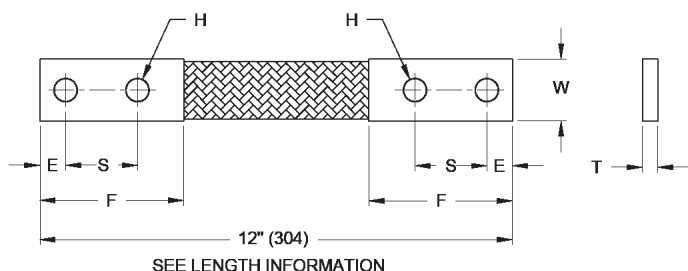
Application:

These highly flexible connectors are suitable wherever it is necessary to take up expansion, moderate vibration and/or misalignment when connecting Transformers, Switchgear, Generators or Busbars.

ORDERING INFORMATION

Length: Standard total lengths are 304 mm (12"). If different lengths are required, add your desired length in millimeters at the end of the part number.
Ex.: STB070A1**406** (for 16" long)

Plating: Standard ferrules are electro-tinned plated. Other options are available, please refer to page 3.



Technical Specifications

Cat. No.	*Ampacity Δ 65°C	No. of Braids in assembly	W in. (mm)	F in. (mm)	E in. (mm)	S in. (mm)	H in. (mm)	T in. (mm)	Weight lb (gr)
STB040A1	400	1	1-1/2 (38.1)	3-1/2 (90)	5/8 (16)	1-3/4 (44.4)	9/16 (14.3)	3/16 (4.7)	0.63 (286)
STB070A1	700	2	1-1/2 (38.1)	3-1/2 (90)	5/8 (16)	1-3/4 (44.4)	9/16 (14.3)	1/4 (6.3)	0.98 (445)
STB090A1	900	3	1-1/2 (38.1)	3-1/2 (90)	5/8 (16)	1-3/4 (44.4)	9/16 (14.3)	11/32 (8.7)	1.31 (594)
STB110A1	1100	4	1-1/2 (38.1)	3-1/2 (90)	5/8 (16)	1-3/4 (44.4)	9/16 (14.3)	3/8 (9.5)	1.67 (758)
STB150A1	1500	6	1-1/2 (38.1)	3-1/2 (90)	5/8 (16)	1-3/4 (44.4)	9/16 (14.3)	1/2 (12.7)	2.29 (1039)
STB170A1	1700	9	1-9/16 (40)	3-1/2 (90)	5/8 (16)	1-3/4 (44.4)	9/16 (14.3)	3/4 (19)	3.76 (1706)
STB200A1	2000	13	1-9/16 (40)	3-1/2 (90)	5/8 (16)	1-3/4 (44.4)	9/16 (14.3)	1 (25.4)	5.26 (2386)

*Temperature Rise test per; CEI60694, IEEE / ANSI C37, 34 1994

SWC Series

30 AWG Individual Strand

BOREAL
braidings

Standard Flexible Connectors

4 holes NEMA Standard

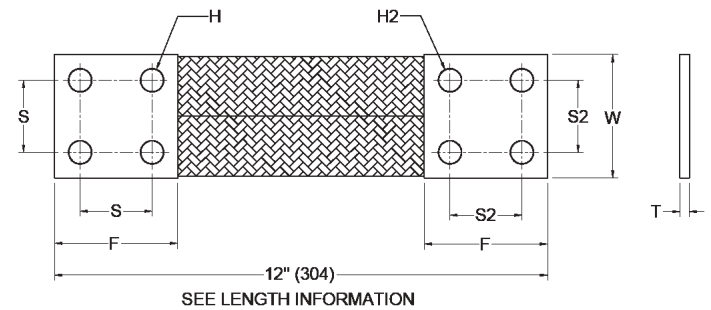
ORDERING INFORMATION

Length: Standard total lengths are 304 mm (12"). For different lengths, add your desired length in millimeters at the end of the part number. Ex.: SWC130A1**406** (for 16" long)

Plating: Standard ferrules are electro-tin plated. Other options are available, please refer to page 3.



Switchgear and Transformer Links



Technical Specifications

Cat. No.	*Ampacity Δ 65°C	W in. (mm)	F in. (mm)	S in. (mm)	H in. (mm)	S2 in. (mm)	H2 in. (mm)	T in. (mm)	Weight lb (gr)
SWC130A1	1300	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-3/4 (44.4)	9/16 (14.3)	1/4 (6.3)	1.93 (875)
SWC130A2	1300	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-1/2 (38.1)	7/16 (11.1)	1/4 (6.3)	1.93 (875)
SWC130A3	1300	3 (76.2)	3 (76.2)	1-1/2 (38.1)	7/16 (11.1)	1-1/2 (38.1)	7/16 (11.1)	1/4 (6.3)	1.93 (875)
SWC150A1	1500	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-3/4 (44.4)	9/16 (14.3)	5/16 (8)	2.62 (1188)
SWC150A2	1500	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-1/2 (38.1)	7/16 (11.1)	5/16 (8)	2.62 (1188)
SWC150A3	1500	3 (76.2)	3 (76.2)	1-1/2 (38.1)	7/16 (11.1)	1-1/2 (38.1)	7/16 (11.1)	5/16 (8)	2.62 (1188)
SWC215A1	2150	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-3/4 (44.4)	9/16 (14.3)	3/8 (9.5)	3.31 (1501)
SWC215A2	2150	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-1/2 (38.1)	7/16 (11.1)	3/8 (9.5)	3.31 (1501)
SWC215A3	2150	3 (76.2)	3 (76.2)	1-1/2 (38.1)	7/16 (11.1)	1-1/2 (38.1)	7/16 (11.1)	3/8 (9.5)	3.31 (1501)
SWC235A1	2350	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-3/4 (44.4)	9/16 (14.3)	1/2 (12.7)	4.69 (2127)
SWC235A2	2350	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-1/2 (38.1)	7/16 (11.1)	1/2 (12.7)	4.69 (2127)
SWC235A3	2350	3 (76.2)	3 (76.2)	1-1/2 (38.1)	7/16 (11.1)	1-1/2 (38.1)	7/16 (11.1)	1/2 (12.7)	4.69 (2127)

*Temperature Rise test per; CEI60694, IEEE / ANSI C37, 34 1994

SWC/D Series

30 AWG Individual Strand

BOREAL
braidings

Standard Flexible Connectors

4 / 1 hole NEMA Standard

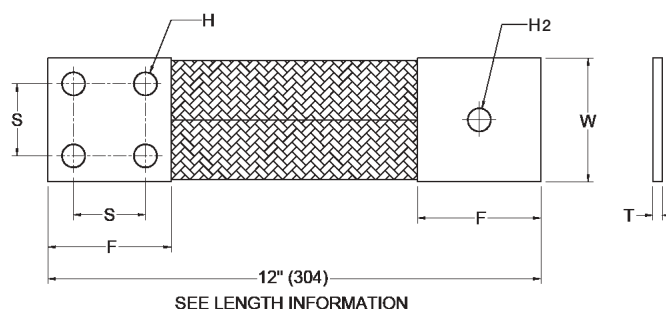
ORDERING INFORMATION

Length: Standard total lengths are 304 mm (12"). If different lengths are required, add your desired length in millimeters at the end of the part number. Ex.: SWC130B1406 (for 16" long)

Plating: Standard ferrules are electro-tin plated. Other options are available, please refer to page 3.



Switchgear and Transformer Links



Technical Specifications

Cat. No.	*Ampacity Δ 65°C	W in. (mm)	F in. (mm)	S in. (mm)	H in. (mm)	H2 in. (mm)	T in. (mm)	Weight lb (gr)
SWC130B1	1300	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	9/16 (14.3)	1/4 (6.3)	1.99 (903)
SWC150B1	1500	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	9/16 (14.3)	5/16 (8)	2.69 (1220)
SWC215B1	2150	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	9/16 (14.3)	3/8 (9.5)	3.40 (1542)
SWD160B1	1600	4 (101)	4 (101)	1-3/4 (44.4)	9/16 (14.3)	9/16 (14.3)	1/4 (6.3)	2.60 (1179)
SWD160B2	1600	4 (101)	4 (101)	2 (50.8)	9/16 (14.3)	23/32 (18.2)	1/4 (6.3)	2.60 (1179)
SWD190B1	1900	4-3/4 (120.6)	4 (101)	1-3/4 (44.4)	9/16 (14.3)	9/16 (14.3)	1/4 (6.3)	2.72 (1234)
SWD190B2	1900	4-3/4 (120.6)	4 (101)	2 (50.8)	9/16 (14.3)	23/32 (18.2)	1/4 (6.3)	2.72 (1234)
SWD210B1	2100	3-3/4 (95.3)	4 (101)	1-3/4 (44.4)	9/16 (14.3)	9/16 (14.3)	3/8 (9.5)	4.01 (1819)
SWD210B2	2100	3-3/4 (95.3)	4 (101)	2 (50.8)	9/16 (14.3)	23/32 (18.2)	3/8 (9.5)	4.01 (1819)

*Temperature Rise test per; CEI60694, IEEE / ANSI C37, 34 1994

SWC Series

30 AWG Individual Strand

BOREAL
braidings

Standard Flexible Connectors

4 / 2 holes NEMA Standard

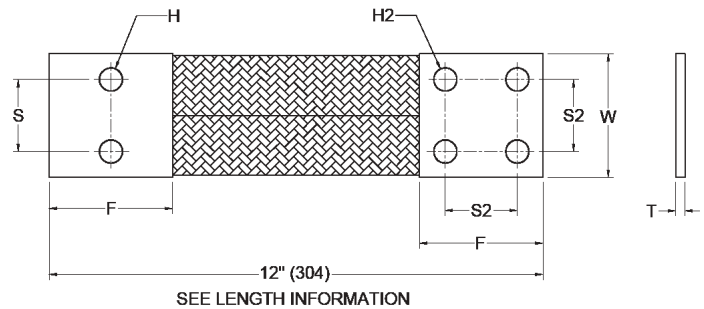
ORDERING INFORMATION

Length: Standard total lengths are 304 mm (12"). If different lengths are required, add your desired length in millimeters at the end of the part number. Ex.: SWC215C2**406** (for 16" long)

Plating: Standard ferrules are electro-tin plated. Other options are available, please refer to page 3.



Switchgear and Transformer Links



Technical Specifications

Cat. No.	*Ampacity Δ 65°C	W in. (mm)	F in. (mm)	S in. (mm)	H in. (mm)	S2 in. (mm)	H2 in. (mm)	T in. (mm)	Weight lb (gr)
SWC130C1	1300	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-3/4 (44.4)	9/16 (14.3)	1/4 (6.3)	1.97 (894)
SWC130C2	1300	3 (76.2)	3 (76.2)	1-1/2 (38.1)	7/16 (11.1)	1-3/4 (44.4)	9/16 (14.3)	1/4 (6.3)	1.97 (894)
SWC150C1	1500	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-3/4 (44.4)	9/16 (14.3)	5/16 (8)	2.67 (1211)
SWC150C2	1500	3 (76.2)	3 (76.2)	1-1/2 (38.1)	7/16 (11.1)	1-3/4 (44.4)	9/16 (14.3)	5/16 (8)	2.67 (1211)
SWC215C1	2150	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-3/4 (44.4)	9/16 (14.3)	3/8 (9.5)	3.37 (1529)
SWC215C2	2150	3 (76.2)	3 (76.2)	1-1/2 (38.1)	7/16 (11.1)	1-3/4 (44.4)	9/16 (14.3)	3/8 (9.5)	3.37 (1529)
SWC235C1	2350	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-3/4 (44.4)	9/16 (14.3)	1/2 (12.7)	4.77 (2164)
SWC235C2	2350	3 (76.2)	3 (76.2)	1-1/2 (38.1)	7/16 (11.1)	1-3/4 (44.4)	9/16 (14.3)	1/2 (12.7)	4.77 (2164)

*Temperature Rise test per; CEI60694, IEEE / ANSI C37, 34 1994

SWC Series

30 AWG Individual Strand

BOREAL
braidings

Standard Flexible Connectors

4 / 2 holes NEMA Standard

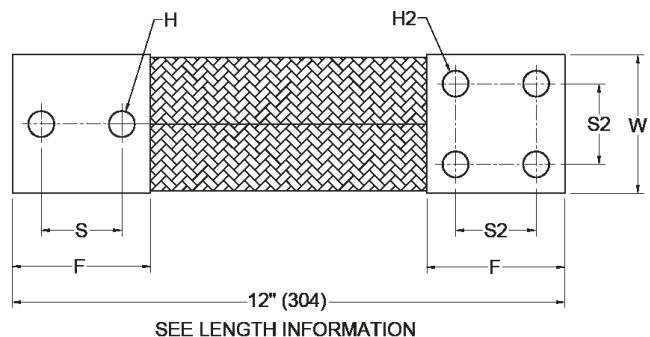
ORDERING INFORMATION

Length: Standard total lengths are 304 mm (12"). If different lengths are required, add your desired length in millimeters at the end of the part number. Ex.: SWC150D1**406** (for 16" long)

Plating: Standard ferrules are electro-tin plated. Other options are available, please refer to page 3.



Switchgear and Transformer Links



Technical Specifications

Cat. No.	*Ampacity Δ 65°C	W in. (mm)	F in. (mm)	S in. (mm)	H in. (mm)	S2 in. (mm)	H2 in. (mm)	T in. (mm)	Weight lb (gr)
SWC130D1	1300	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-3/4 (44.4)	9/16 (14.3)	1/4 (6.3)	1.97 (894)
SWC130D2	1300	3 (76.2)	3 (76.2)	1-1/2 (38.1)	7/16 (11.1)	1-3/4 (44.4)	9/16 (14.3)	1/4 (6.3)	1.97 (894)
SWC150D1	1500	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-3/4 (44.4)	9/16 (14.3)	5/16 (8)	2.67 (1211)
SWC150D2	1500	3 (76.2)	3 (76.2)	1-1/2 (38.1)	7/16 (11.1)	1-3/4 (44.4)	9/16 (14.3)	5/16 (8)	2.67 (1211)
SWC215D1	2150	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-3/4 (44.4)	9/16 (14.3)	3/8 (9.5)	3.37 (1529)
SWC215D2	2150	3 (76.2)	3 (76.2)	1-1/2 (38.1)	7/16 (11.1)	1-3/4 (44.4)	9/16 (14.3)	3/8 (9.5)	3.37 (1529)
SWC235D1	2350	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-3/4 (44.4)	9/16 (14.3)	1/2 (12.7)	4.77 (2164)
SWC235D2	2350	3 (76.2)	3 (76.2)	1-1/2 (38.1)	7/16 (11.1)	1-3/4 (44.4)	9/16 (14.3)	1/2 (12.7)	4.77 (2164)

*Temperature Rise test per; CEI60694, IEEE / ANSI C37, 34 1994

SWC Series

30 AWG Individual Strand

BOREAL
braidings

Standard Flexible Connectors

2 / 2 holes NEMA Standard

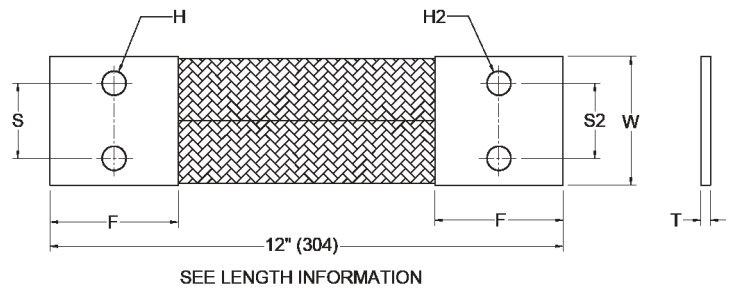
ORDERING INFORMATION

Length: Standard total lengths are 304 mm (12"). If different lengths are required, add your desired length in millimeters at the end of the part number. Ex.: SWC150E1406 (for 16" long)

Plating: Standard ferrules are electro-tin plated. Other options are available, please refer to page 3.



Switchgear and Transformer Links



Technical Specifications

Cat. No.	*Ampacity Δ 65°C	W in. (mm)	F in. (mm)	S in. (mm)	H in. (mm)	S2 in. (mm)	H2 in. (mm)	T in. (mm)	Weight lb (gr)
SWC130E1	1300	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-3/4 (44.4)	9/16 (14.3)	1/4 (6.3)	2.00 (907)
SWC130E2	1300	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-1/2 (38.1)	7/16 (11.1)	1/4 (6.3)	2.00 (907)
SWC130E3	1300	3 (76.2)	3 (76.2)	1-1/2 (38.1)	7/16 (11.1)	1-1/2 (38.1)	7/16 (11.1)	1/4 (6.3)	2.00 (907)
SWC150E1	1500	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-3/4 (44.4)	9/16 (14.3)	5/16 (8)	2.72 (1234)
SWC150E2	1500	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-1/2 (38.1)	7/16 (11.1)	5/16 (8)	2.72 (1234)
SWC150E3	1500	3 (76.2)	3 (76.2)	1-1/2 (38.1)	7/16 (11.1)	1-1/2 (38.1)	7/16 (11.1)	5/16 (8)	2.72 (1234)
SWC215E1	2150	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-3/4 (44.4)	9/16 (14.3)	3/8 (9.5)	3.43 (1556)
SWC215E2	2150	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-1/2 (38.1)	7/16 (11.1)	3/8 (9.5)	3.43 (1556)
SWC215E3	2150	3 (76.2)	3 (76.2)	1-1/2 (38.1)	7/16 (11.1)	1-1/2 (38.1)	7/16 (11.1)	3/8 (9.5)	3.43 (1556)
SWC235E1	2350	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-3/4 (44.4)	9/16 (14.3)	1/2 (12.7)	4.85 (2200)
SWC235E2	2350	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-1/2 (38.1)	7/16 (11.1)	1/2 (12.7)	4.85 (2200)
SWC235E3	2350	3 (76.2)	3 (76.2)	1-1/2 (38.1)	7/16 (11.1)	1-1/2 (38.1)	7/16 (11.1)	1/2 (12.7)	4.85 (2200)

*Temperature Rise test per; CEI60694, IEEE / ANSI C37, 34 1994

SWC Series

30 AWG Individual Strand

BOREAL
braidings

Standard Flexible Connectors

2 / 2 holes NEMA Standard

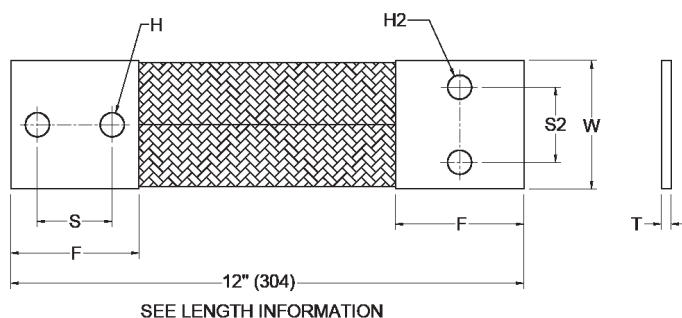
ORDERING INFORMATION

Length: Standard total lengths are 304 mm (12"). If different lengths are required, add your desired length in millimeters at the end of the part number. Ex.: SWC150F1**406** (for 16" long)

Plating: Standard ferrules are electro-tin plated. Other options are available, please refer to page 3.



Switchgear and Transformer Links



Technical Specifications

Cat. No.	*Ampacity Δ 65°C	W in. (mm)	F in. (mm)	S in. (mm)	H in. (mm)	S2 in. (mm)	H2 in. (mm)	T in. (mm)	Weight lb (gr)
SWC130F1	1300	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-3/4 (44.4)	9/16 (14.3)	1/4 (6.3)	2.00 (907)
SWC130F2	1300	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-1/2 (38.1)	7/16 (11.1)	1/4 (6.3)	2.00 (907)
SWC130F3	1300	3 (76.2)	3 (76.2)	1-1/2 (38.1)	7/16 (11.1)	1-1/2 (38.1)	7/16 (11.1)	1/4 (6.3)	2.00 (907)
SWC150F1	1500	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-3/4 (44.4)	9/16 (14.3)	5/16 (8)	2.72 (1234)
SWC150F2	1500	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-1/2 (38.1)	7/16 (11.1)	5/16 (8)	2.72 (1234)
SWC150F3	1500	3 (76.2)	3 (76.2)	1-1/2 (38.1)	7/16 (11.1)	1-1/2 (38.1)	7/16 (11.1)	5/16 (8)	2.72 (1234)
SWC215F1	2150	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-3/4 (44.4)	9/16 (14.3)	3/8 (9.5)	3.43 (1556)
SWC215F2	2150	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-1/2 (38.1)	7/16 (11.1)	3/8 (9.5)	3.43 (1556)
SWC215F3	2150	3 (76.2)	3 (76.2)	1-1/2 (38.1)	7/16 (11.1)	1-1/2 (38.1)	7/16 (11.1)	3/8 (9.5)	3.43 (1556)
SWC235F1	2350	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-3/4 (44.4)	9/16 (14.3)	1/2 (12.7)	4.85 (2200)
SWC235F2	2350	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-1/2 (38.1)	7/16 (11.1)	1/2 (12.7)	4.85 (2200)
SWC235F3	2350	3 (76.2)	3 (76.2)	1-1/2 (38.1)	7/16 (11.1)	1-1/2 (38.1)	7/16 (11.1)	1/2 (12.7)	4.85 (2200)

*Temperature Rise test per; CEI60694, IEEE / ANSI C37, 34 1994

SWC Series

30 AWG Individual Strand

BOREAL
braidings

Standard Flexible Connectors

2 / 2 holes NEMA Standard

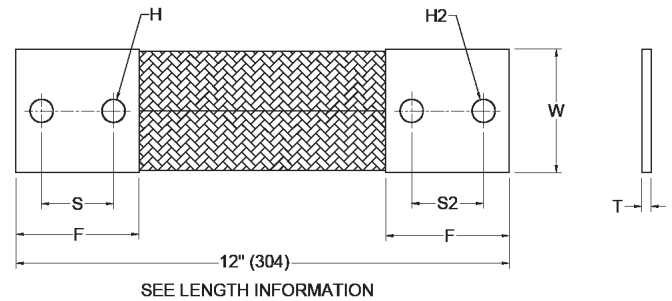
ORDERING INFORMATION

Length: Standard total lengths are 304 mm (12"). If different lengths are required, add your desired length in millimeters at the end of the part number. Ex.: SWC130G1**406** (for 16" long)

Plating: Standard ferrules are electro-tin plated. Other options are available, please refer to page 3.



Switchgear and Transformer Links



Technical Specifications

Cat. No.	*Ampacity Δ 65°C	W in. (mm)	F in. (mm)	S in. (mm)	H in. (mm)	S2 in. (mm)	H2 in. (mm)	T in. (mm)	Weight lb (gr)
SWC130G1	1300	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-3/4 (44.4)	9/16 (14.3)	1/4 (6.3)	2.00 (907)
SWC130G2	1300	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-1/2 (38.1)	7/16 (11.1)	1/4 (6.3)	2.00 (907)
SWC130G3	1300	3 (76.2)	3 (76.2)	1-1/2 (38.1)	7/16 (11.1)	1-1/2 (38.1)	7/16 (11.1)	1/4 (6.3)	2.00 (907)
SWC150G1	1500	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-3/4 (44.4)	9/16 (14.3)	5/16 (8)	2.72 (1234)
SWC150G2	1500	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-1/2 (38.1)	7/16 (11.1)	5/16 (8)	2.72 (1234)
SWC150G3	1500	3 (76.2)	3 (76.2)	1-1/2 (38.1)	7/16 (11.1)	1-1/2 (38.1)	7/16 (11.1)	5/16 (8)	2.72 (1234)
SWC215G1	2150	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-3/4 (44.4)	9/16 (14.3)	3/8 (9.5)	3.43 (1556)
SWC215G2	2150	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-1/2 (38.1)	7/16 (11.1)	3/8 (9.5)	3.43 (1556)
SWC215G3	2150	3 (76.2)	3 (76.2)	1-1/2 (38.1)	7/16 (11.1)	1-1/2 (38.1)	7/16 (11.1)	3/8 (9.5)	3.43 (1556)
SWC235G1	2350	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-3/4 (44.4)	9/16 (14.3)	1/2 (12.7)	4.85 (2200)
SWC235G2	2350	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	1-1/2 (38.1)	7/16 (11.1)	1/2 (12.7)	4.85 (2200)
SWC235G3	2350	3 (76.2)	3 (76.2)	1-1/2 (38.1)	7/16 (11.1)	1-1/2 (38.1)	7/16 (11.1)	1/2 (12.7)	4.85 (2200)

*Temperature Rise test per: CEI60694, IEEE / ANSI C37, 34 1994

SWC Series

30 AWG Individual Strand

BOREAL
braidings

Standard Flexible Connectors

2 / 1 hole NEMA Standard

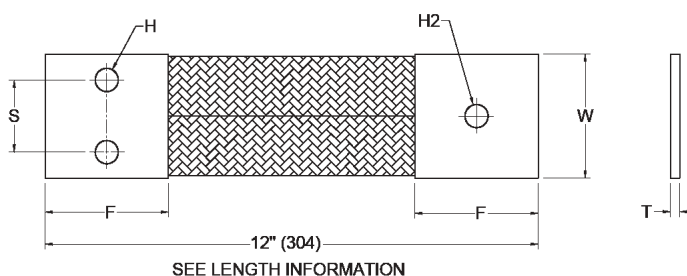
ORDERING INFORMATION

Length: Standard total lengths are 304 mm (12"). If different lengths are required, add your desired length in millimeters at the end of the part number. Ex.: SWC130H1**406** (for 16" long)

Plating: Standard ferrules are electro-tin plated. Other options are available, please refer to page 3.



Switchgear and Transformer Links



Technical Specifications

Cat. No.	*Ampacity Δ 65°C	W in. (mm)	F in. (mm)	S in. (mm)	H in. (mm)	H2 in. (mm)	T in. (mm)	Weight lb (gr)
SWC130H1	1300	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	9/16 (14.3)	1/4 (6.3)	2.03 (921)
SWC130H2	1300	3 (76.2)	3 (76.2)	1-1/2 (38.1)	7/16 (11.1)	9/16 (14.3)	1/4 (6.3)	2.03 (921)
SWC150H1	1500	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	9/16 (14.3)	5/16 (8)	2.74 (1243)
SWC150H2	1500	3 (76.2)	3 (76.2)	1-1/2 (38.1)	7/16 (11.1)	9/16 (14.3)	5/16 (8)	2.74 (1243)
SWC215H1	2150	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	9/16 (14.3)	3/8 (9.5)	3.46 (1569)
SWC215H2	2150	3 (76.2)	3 (76.2)	1-1/2 (38.1)	7/16 (11.1)	9/16 (14.3)	3/8 (9.5)	3.46 (1569)
SWC235H1	2350	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	9/16 (14.3)	1/2 (12.7)	4.87 (2209)
SWC235H2	2350	3 (76.2)	3 (76.2)	1-1/2 (38.1)	7/16 (11.1)	9/16 (14.3)	1/2 (12.7)	4.87 (2209)

*Temperature Rise test per; CEI60694, IEEE / ANSI C37, 34 1994

SWC Series

30 AWG Individual Strand

BOREAL
braidings

Standard Flexible Connectors

2 / 1 holes NEMA Standard

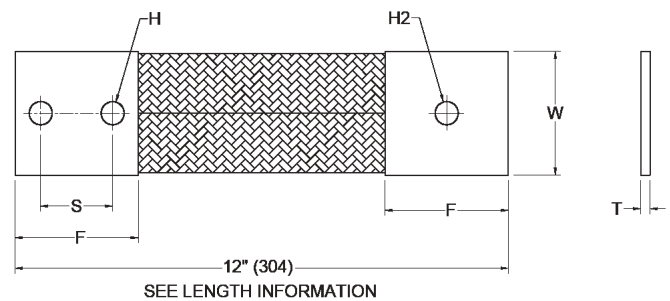
ORDERING INFORMATION

Length: Standard total lengths are 304 mm (12"). If different lengths are required, add your desired length in millimeters at the end of the part number. Ex.: SWC130J1**406** (for 16" long)

Plating: Standard ferrules are electro-tin plated. Other options are available, please refer to page 3.



Switchgear and Transformer Links



Technical Specifications

Cat. No.	*Ampacity Δ 65°C	W in. (mm)	F in. (mm)	S in. (mm)	H in. (mm)	H2 in. (mm)	T in. (mm)	Weight lb (gr)
SWC130J1	1300	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	9/16 (14.3)	1/4 (6.3)	2.03 (921)
SWC130J2	1300	3 (76.2)	3 (76.2)	1-1/2 (38.1)	7/16 (11.1)	9/16 (14.3)	1/4 (6.3)	2.03 (921)
SWC150J1	1500	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	9/16 (14.3)	5/16 (8)	2.74 (1243)
SWC150J2	1500	3 (76.2)	3 (76.2)	1-1/2 (38.1)	7/16 (11.1)	9/16 (14.3)	5/16 (8)	2.74 (1243)
SWC215J1	2150	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	9/16 (14.3)	3/8 (9.5)	3.46 (1569)
SWC215J2	2150	3 (76.2)	3 (76.2)	1-1/2 (38.1)	7/16 (11.1)	9/16 (14.3)	3/8 (9.5)	3.46 (1569)
SWC235J1	2350	3 (76.2)	3 (76.2)	1-3/4 (44.4)	9/16 (14.3)	9/16 (14.3)	1/2 (12.7)	4.87 (2209)
SWC235J2	2350	3 (76.2)	3 (76.2)	1-1/2 (38.1)	7/16 (11.1)	9/16 (14.3)	1/2 (12.7)	4.87 (2209)

*Temperature Rise test per; CEI60694, IEEE / ANSI C37, 34 1994

SWC Series

30 AWG Individual Strand

BOREAL
braidings

Standard Flexible Connectors

1 / 1 hole NEMA Standard

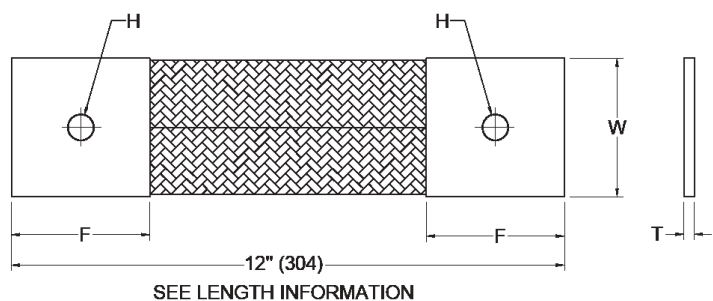
ORDERING INFORMATION

Length: Standard total lengths are 304 mm (12"). If different lengths are required, add your desired length in millimeters at the end of the part number. Ex.: SWC160K1**406** (for 16" long)

Plating: Standard ferrules are electro-tin plated. Other options are available, please refer to page 3.



Switchgear and Transformer Links



Technical Specifications

Cat. No.	*Ampacity Δ 65°C	W in. (mm)	F in. (mm)	H in. (mm)	T in. (mm)	Weight lb (gr)
SWC060K1	600	2 (50.8)	2 (50.8)	9/16 (14.3)	1/4 (6.3)	1.84 (835)
SWC060K2	600	2 (50.8)	2 (50.8)	7/16 (11.1)	1/4 (6.3)	1.84 (835)
SWC130K1	1300	3 (76.2)	3 (76.2)	9/16 (14.3)	1/4 (6.3)	2.04 (925)
SWC130K2	1300	2 (50.8)	2 (50.8)	9/16 (14.3)	1/2 (12.7)	2.53 (1148)
SWC140K1	1400	2 (50.8)	2 (50.8)	7/16 (11.1)	1/2 (12.7)	2.53 (1148)
SWC150K1	1500	3 (76.2)	3 (76.2)	9/16 (14.3)	5/16 (8)	2.77 (1256)
SWC160K1	1600	4 (101.6)	4 (101.6)	9/16 (14.3)	1/4 (6.3)	2.99 (1356)
SWC215K1	2150	3 (76.2)	3 (76.2)	9/16 (14.3)	3/8 (9.5)	3.46 (1569)
SWC235K1	2350	3 (76.2)	3 (76.2)	9/16 (14.3)	1/2 (12.7)	4.93 (2236)

*Temperature Rise test per; CEI60694, IEEE / ANSI C37, 34 1994

SWD Series

30 AWG Individual Strand

BOREAL
braidings

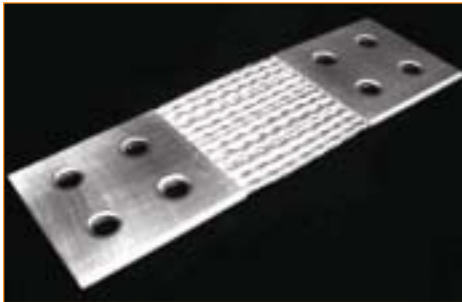
Standard Flexible Connectors

4 holes NEMA Standard

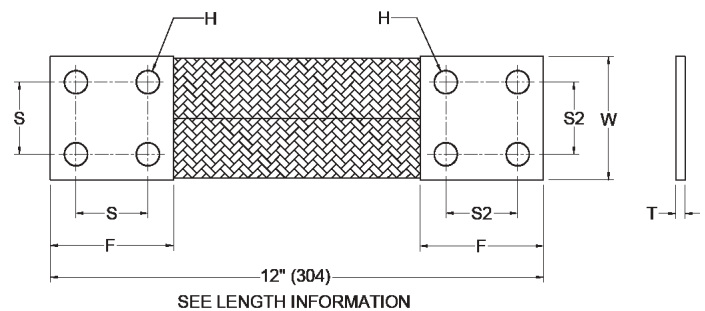
ORDERING INFORMATION

Length: Standard total lengths are 304 mm (12"). If different lengths are required, add your desired length in millimeters at the end of the part number. Ex.: SWD160A1**406** (for 16" long)

Plating: Standard ferrules are electro-tin plated. Other options are available, please refer to page 3.



Switchgear and Transformer Links



Technical Specifications

Cat. No.	*Ampacity Δ 65°C	W in. (mm)	F in. (mm)	S in. (mm)	H in. (mm)	S2 in. (mm)	T in. (mm)	Weight lb (gr)
SWD160A1	1600	4 (101.6)	4 (101.6)	1-3/4 (44.4)	9/16 (14.3)	1-3/4 (44.4)	1/4 (6.3)	2.54 (1152)
SWD160A2	1600	4 (101.6)	4 (101.6)	1-3/4 (44.4)	9/16 (14.3)	2 (50.8)	1/4 (6.3)	2.54 (1152)
SWD160A3	1600	4 (101.6)	4 (101.6)	2 (50.8)	9/16 (14.3)	2 (50.8)	1/4 (6.3)	2.54 (1152)
SWD190A1	1900	4-3/4 (120.6)	4 (101.6)	1-3/4 (44.4)	9/16 (14.3)	1-3/4 (44.4)	1/4 (6.3)	3.44 (1560)
SWD190A2	1900	4-3/4 (120.6)	4 (101.6)	1-3/4 (44.4)	9/16 (14.3)	2 (50.8)	1/4 (6.3)	3.44 (1560)
SWD190A3	1900	4-3/4 (120.6)	4 (101.6)	2 (50.8)	9/16 (14.3)	2 (50.8)	1/4 (6.3)	3.44 (1560)
SWD210A1	2100	4 (101.6)	4 (101.6)	1-3/4 (44.4)	9/16 (14.3)	1-3/4 (44.4)	3/8 (9.5)	4.10 (1860)
SWD210A2	2100	4 (101.6)	4 (101.6)	1-3/4 (44.4)	9/16 (14.3)	2 (50.8)	3/8 (9.5)	4.10 (1860)
SWD210A3	2100	4 (101.6)	4 (101.6)	2 (50.8)	9/16 (14.3)	2 (50.8)	3/8 (9.5)	4.10 (1860)

*Temperature Rise test per; CEI60694, IEEE / ANSI C37, 34 1994

SWD Series

30 AWG Individual Strand

BOREAL
braidings

Standard Flexible Connectors

4 / 2 holes NEMA Standard

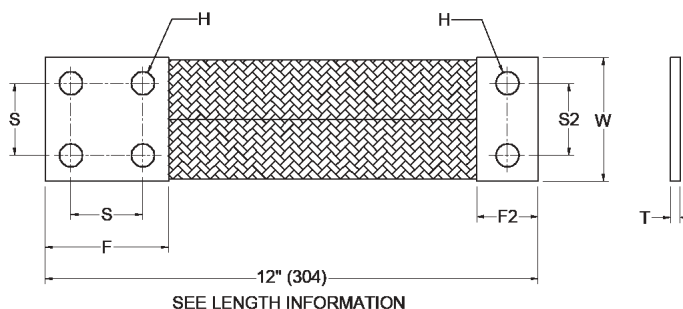
ORDERING INFORMATION

Length: Standard total lengths are 304 mm (12"). If different lengths are required, add your desired length in millimeters at the end of the part number. Ex.: SWD160C1406 (for 16" long)

Plating: Standard ferrules are electro-tin plated. Other options are available, please refer to page 3.



Switchgear and Transformer Links



Technical Specifications

Cat. No.	*Ampacity Δ 65°C	W in. (mm)	F in. (mm)	S in. (mm)	H in. (mm)	F2 in. (mm)	S2 in. (mm)	T in. (mm)	Weight lb (gr)
SWD160C1	1600	4 (101.6)	4 (101.6)	1-3/4 (44.4)	9/16 (14.3)	2 (50.8)	1-3/4 (44.4)	1/4 (6.3)	2.27 (1030)
SWD160C2	1600	4 (101.6)	4 (101.6)	1-3/4 (44.4)	9/16 (14.3)	2 (50.8)	2 (50.8)	1/4 (6.3)	2.27 (1030)
SWD160C3	1600	4 (101.6)	4 (101.6)	2 (50.8)	9/16 (14.3)	2 (50.8)	2 (50.8)	1/4 (6.3)	2.27 (1030)
SWD190C1	1900	4-3/4 (120.6)	4 (101.6)	1-3/4 (44.4)	9/16 (14.3)	2 (50.8)	1-3/4 (44.4)	1/4 (6.3)	3.04 (1379)
SWD190C2	1900	4-3/4 (120.6)	4 (101.6)	1-3/4 (44.4)	9/16 (14.3)	2 (50.8)	2 (50.8)	1/4 (6.3)	3.04 (1379)
SWD190C3	1900	4-3/4 (120.6)	4 (101.6)	2 (50.8)	9/16 (14.3)	2 (50.8)	2 (50.8)	1/4 (6.3)	3.04 (1379)
SWD210C1	2100	4 (101.6)	4 (101.6)	1-3/4 (44.4)	9/16 (14.3)	2 (50.8)	1-3/4 (44.4)	3/8 (9.5)	3.81 (1728)
SWD210C2	2100	4 (101.6)	4 (101.6)	1-3/4 (44.4)	9/16 (14.3)	2 (50.8)	2 (50.8)	3/8 (9.5)	3.81 (1728)
SWD210C3	2100	4 (101.6)	4 (101.6)	2 (50.8)	9/16 (14.3)	2 (50.8)	2 (50.8)	3/8 (9.5)	3.81 (1728)

*Temperature Rise test per; CEI60694, IEEE / ANSI C37, 34 1994

SWD Series

30 AWG Individual Strand

BOREAL
braiding s

Standard Flexible Connectors

4 / 3 holes NEMA Standard

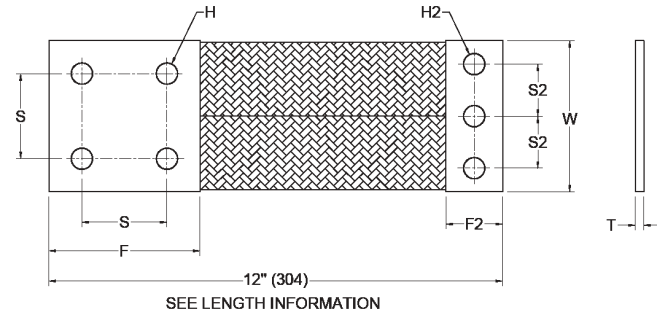
ORDERING INFORMATION

Length: Standard total lengths are 304 mm (12"). If different lengths are required, add your desired length in millimeters at the end of the part number. Ex.: SWD160D1**406** (for 16" long)

Plating: Standard ferrules are electro-tin plated. Other options are available, please refer to page 3.



Switchgear and Transformer Links



Technical Specifications

Cat. No.	*Ampacity Δ 65°C	W in. (mm)	F in. (mm)	S in. (mm)	H in. (mm)	F2 in. (mm)	S2 in. (mm)	H2 in. (mm)	T in. (mm)	Weight lb (gr)
SWD160D1	1600	4 (101.6)	4 (101.6)	1-3/4 (44.4)	9/16 (14.3)	2 (50.8)	1-1/2 (38.1)	9/16 (14.3)	1/4 (6.3)	2.25 (1021)
SWD160D2	1600	4 (101.6)	4 (101.6)	1-3/4 (44.4)	9/16 (14.3)	2 (50.8)	1-1/4 (31.7)	7/16 (11.1)	1/4 (6.3)	2.25 (1021)
SWD160D3	1600	4 (101.6)	4 (101.6)	2 (50.8)	9/16 (14.3)	2 (50.8)	1-1/2 (38.1)	9/16 (14.3)	1/4 (6.3)	2.25 (1021)
SWD190D1	1900	4-3/4 (120.6)	4 (101.6)	1-3/4 (44.4)	9/16 (14.3)	2 (50.8)	1-1/2 (38.1)	9/16 (14.3)	1/4 (6.3)	3.02 (1370)
SWD190D2	1900	4-3/4 (120.6)	4 (101.6)	1-3/4 (44.4)	9/16 (14.3)	2 (50.8)	1-1/4 (31.7)	7/16 (11.1)	1/4 (6.3)	3.02 (1370)
SWD190D3	1900	4-3/4 (120.6)	4 (101.6)	2 (50.8)	9/16 (14.3)	2 (50.8)	1-1/2 (38.1)	9/16 (14.3)	1/4 (6.3)	3.02 (1370)
SWD210D1	2100	3-3/4 (95.3)	4 (101.6)	1-3/4 (44.4)	9/16 (14.3)	2 (50.8)	1-1/4 (31.7)	9/16 (14.3)	3/8 (9.5)	3.78 (1715)
SWD210D2	2100	3-3/4 (95.3)	4 (101.6)	1-3/4 (44.4)	9/16 (14.3)	2 (50.8)	1-1/4 (31.7)	7/16 (11.1)	3/8 (9.5)	3.78 (1715)
SWD210D3	2100	3-3/4 (95.3)	4 (101.6)	2 (50.8)	9/16 (14.3)	2 (50.8)	1-1/4 (31.7)	9/16 (14.3)	3/8 (9.5)	3.78 (1715)

*Temperature Rise test per; CEI60694, IEEE / ANSI C37, 34 1994

SWE/SWF Series

30 AWG Individual Strand

BOREAL
braidings

Standard Flexible Connectors

6 / 4 holes NEMA Standard

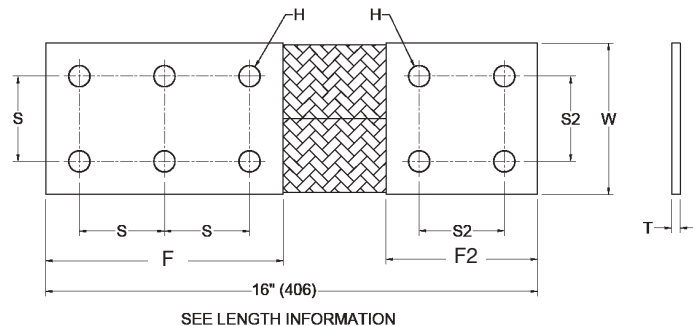
ORDERING INFORMATION

Length: Standard total lengths are 406 mm (16"). If different lengths are required, add your desired length in millimeters at the end of the part number. Ex.: SWF170A1**610** (for 24" long)

Plating: Standard ferrules are electro-tin plated. Other options are available, please refer to page 3.



Switchgear and Transformer Links



Technical Specifications

Cat. No.	*Ampacity Δ 65°C	W in. (mm)	F in. (mm)	S in. (mm)	H in. (mm)	F2 in. (mm)	S2 in. (mm)	T in. (mm)	Weight lb (gr)
SWE140A1	1400	3 (76.2)	4-3/4 (120.6)	1-3/4 (44.4)	9/16 (14.3)	3 (76.2)	1-3/4 (44.4)	1/4 (6.3)	2.56 (1161)
SWE160A1	1600	3 (76.2)	4-3/4 (120.6)	1-3/4 (44.4)	9/16 (14.3)	3 (76.2)	1-3/4 (44.4)	3/8 (9.5)	4.41 (2000)
SWF170A1	1700	4 (101.6)	5-3/4 (146)	1-3/4 (44.4)	9/16 (14.3)	4 (101.6)	1-3/4 (44.4)	1/4 (6.3)	4.23 (1919)
SWF170A2	1700	4 (101.6)	6 (152.4)	2 (50.8)	9/16 (14.3)	4 (101.6)	1-3/4 (44.4)	1/4 (6.3)	4.23 (1919)
SWF170A3	1700	4 (101.6)	6 (152.4)	2 (50.8)	9/16 (14.3)	4 (101.6)	2 (50.8)	1/4 (6.3)	4.23 (1919)
SWF200A1	2000	4-3/4 (120.6)	5-3/4 (146)	1-3/4 (44.4)	9/16 (14.3)	4 (101.6)	1-3/4 (44.4)	1/4 (6.3)	4.39 (1991)
SWF200A2	2000	4-3/4 (120.6)	6 (152.4)	2 (50.8)	9/16 (14.3)	4 (101.6)	1-3/4 (44.4)	1/4 (6.3)	4.39 (1991)
SWF200A3	2000	4-3/4 (120.6)	6 (152.4)	2 (50.8)	9/16 (14.3)	4 (101.6)	2 (50.8)	1/4 (6.3)	4.39 (1991)
SWF230A1	2300	3-3/4 (95.3)	5-3/4 (146)	1-3/4 (44.4)	9/16 (14.3)	4 (101.6)	1-3/4 (44.4)	3/8 (9.5)	6.08 (2758)
SWF230A2	2300	3-3/4 (95.3)	6 (152.4)	2 (50.8)	9/16 (14.3)	4 (101.6)	1-3/4 (44.4)	3/8 (9.5)	6.08 (2758)
SWF230A3	2300	3-3/4 (95.3)	6 (152.4)	2 (50.8)	9/16 (14.3)	4 (101.6)	2 (50.8)	3/8 (9.5)	6.08 (2758)

*Temperature Rise test per; CEI60694, IEEE / ANSI C37, 34 1994

SWE/SWF Series

30 AWG Individual Strand

BOREAL
braidings

Standard Flexible Connectors

6 / 6 holes NEMA Standard

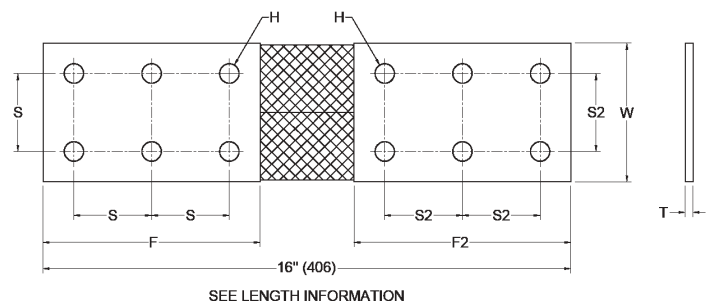
ORDERING INFORMATION

Length: Standard total lengths are 406 mm (16"). If different lengths are required, add your desired length in millimeters at the end of the part number. Ex.: SWF160B1**610** (for 24" long)

Plating: Standard ferrules are electro-tin plated. Other options are available, please refer to page 3.



Switchgear and Transformer Links



Technical Specifications

Cat. No.	*Ampacity Δ 65°C	W in. (mm)	F in. (mm)	S in. (mm)	H in. (mm)	F2 in. (mm)	S2 in. (mm)	T in. (mm)	Weight lb (gr)
SWE140B1	1400	3 (76.2)	4-3/4 (120.6)	1-3/4 (44.4)	9/16 (14.3)	4-3/4 (120.6)	1-3/4 (44.4)	1/4 (6.3)	2.70 (1225)
SWE160B1	1600	3 (76.2)	4-3/4 (120.6)	1-3/4 (44.4)	9/16 (14.3)	4-3/4 (120.6)	1-3/4 (44.4)	3/8 (9.5)	4.53 (2055)
SWF170B1	1700	4 (101.6)	5-3/4 (146)	1-3/4 (44.4)	9/16 (14.3)	5-3/4 (146)	1-3/4 (44.4)	1/4 (6.3)	4.50 (2041)
SWF170B2	1700	4 (101.6)	6 (152.4)	2 (50.8)	9/16 (14.3)	5-3/4 (146)	1-3/4 (44.4)	1/4 (6.3)	4.50 (2041)
SWF170B3	1700	4 (101.6)	6 (152.4)	2 (50.8)	9/16 (14.3)	6 (152.4)	2 (50.8)	1/4 (6.3)	4.50 (2041)
SWF200B1	2000	4-3/4 (120.6)	5-3/4 (146)	1-3/4 (44.4)	9/16 (14.3)	5-3/4 (146)	1-3/4 (44.4)	1/4 (6.3)	6.26 (2840)
SWF200B2	2000	4-3/4 (120.6)	6 (152.4)	2 (50.8)	9/16 (14.3)	5-3/4 (146)	1-3/4 (44.4)	1/4 (6.3)	6.26 (2840)
SWF200B3	2000	4-3/4 (120.6)	6 (152.4)	2 (50.8)	9/16 (14.3)	6 (152.4)	2 (50.8)	1/4 (6.3)	6.26 (2840)
SWF230B1	2300	3-3/4 (95.3)	5-3/4 (146)	1-3/4 (44.4)	9/16 (14.3)	5-3/4 (146)	1-3/4 (44.4)	3/8 (9.5)	6.33 (2871)
SWF230B2	2300	3-3/4 (95.3)	6 (152.4)	2 (50.8)	9/16 (14.3)	5-3/4 (146)	1-3/4 (44.4)	3/8 (9.5)	6.33 (2871)
SWF230B3	2300	3-3/4 (95.3)	6 (152.4)	2 (50.8)	9/16 (14.3)	6 (152.4)	2 (50.8)	3/8 (9.5)	6.33 (2871)

*Temperature Rise test per; CEI60694, IEEE / ANSI C37, 34 1994

LTL Series

30 AWG Individual Strand

BOREAL
braiding s

Standard Flexible Connectors

4 / 4 holes

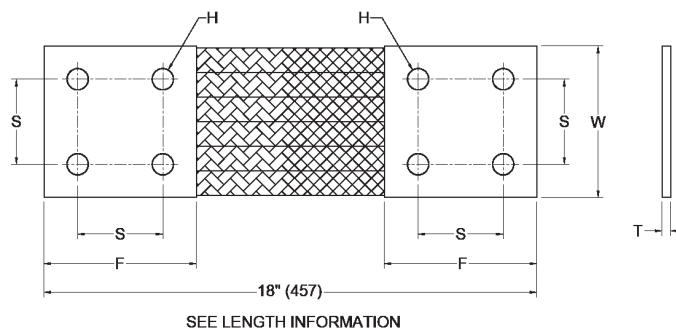
ORDERING INFORMATION

Length: Standard total lengths are 457 mm (18"). If different lengths are required, add your desired length in millimeters at the end of the part number. Ex.: LTL250A1**610** (for 24" long)

Plating: Standard ferrules are electro-tin plated. Other options are available, please refer to page 3.



Large Transformer Links



Technical Specifications

Cat. No.	*Ampacity Δ 65°C	W in. (mm)	F in. (mm)	S in. (mm)	H in. (mm)	T in. (mm)	Weight lb (gr)
LTL250A1	2500	6-3/8 (162)	6 (152.4)	2 (50.8)	11/16 (18)	1/4 (6.3)	7.20 (3266)
LTL300A1	3000	6 (152.4)	6 (152.4)	2 (50.8)	11/16 (18)	3/8 (9.5)	9.86 (4472)
LTL400A1	4000	6 (152.4)	6 (152.4)	2 (50.8)	11/16 (18)	1/2 (12.7)	13.07 (5929)

*Temperature Rise test per; CEI60694, IEEE / ANSI C37, 34 1994

LTL Series

30 AWG Individual Strand



Standard Flexible Connectors

6 / 4 holes

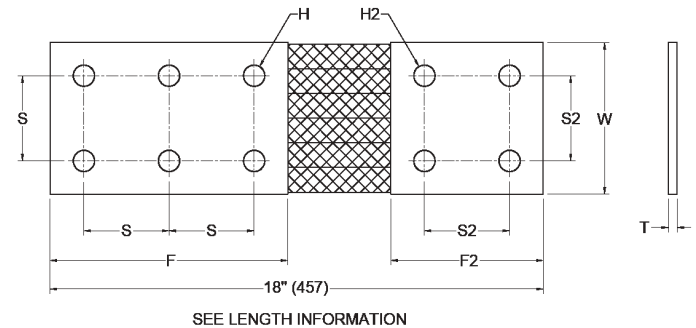
ORDERING INFORMATION

Length: Standard total lengths are 457 mm (18"). If different lengths are required, add your desired length in millimeters at the end of the part number. Ex.: LTL300B1**610** (for 24" long)

Plating: Standard ferrules are electro-tin plated. Other options are available, please refer to page 3.



Large Transformer Links



Technical Specifications

Cat. No.	*Ampacity Δ 65°C	W in. (mm)	F in. (mm)	S in. (mm)	H in. (mm)	F2 in. (mm)	S2 in. (mm)	H2 in. (mm)	T in. (mm)	Weight lb (gr)
LTL250B1	2500	6-3/8 (162)	6 (152.4)	2 (50.8)	11/16 (18)	6 (152.4)	2 (50.8)	11/16 (18)	1/4 (6.3)	7.24 (3284)
LTL250B2	2500	6-3/8 (162)	5-1/2 (140)	1-3/4 (44.4)	9/16 (14.3)	6 (152.4)	2 (50.8)	11/16 (18)	1/4 (6.3)	7.24 (3284)
LTL300B1	3000	6 (152.4)	6 (152.4)	2 (50.8)	11/16 (18)	6 (152.4)	2 (50.8)	11/16 (18)	3/8 (9.5)	9.92 (4500)
LTL300B2	3000	6 (152.4)	5-1/2 (140)	1-3/4 (44.4)	9/16 (14.3)	6 (152.4)	2 (50.8)	11/16 (18)	3/8 (9.5)	9.92 (4500)
LTL400B1	4000	6 (152.4)	6 (152.4)	2 (50.8)	11/16 (18)	6 (152.4)	2 (50.8)	11/16 (18)	1/2 (12.7)	13.15 (5965)
LTL400B2	4000	6 (152.4)	5-1/2 (140)	1-3/4 (44.4)	9/16 (14.3)	6 (152.4)	2 (50.8)	11/16 (18)	1/2 (12.7)	13.15 (5965)

*Temperature Rise test per; CEI60694, IEEE / ANSI C37, 34 1994

LTL Series

30 AWG Individual Strand

BOREAL
braiding s

Standard Flexible Connectors

6 / 4 holes

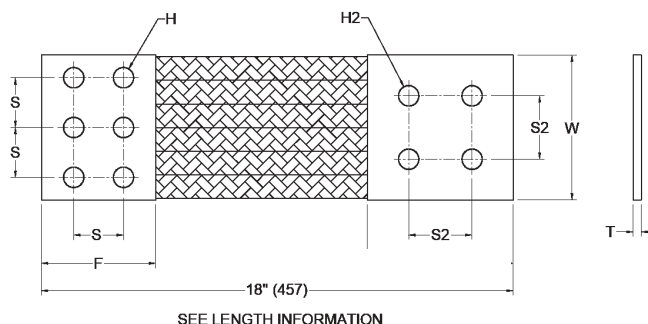
ORDERING INFORMATION

Length: Standard total lengths are 457 mm (18"). If different lengths are required, add your desired length in millimeters at the end of the part number. Ex.: LTL300C1610 (for 24" long)

Plating: Standard ferrules are electro-tin plated. Other options are available, please refer to page 3.



Large Transformer Links



Technical Specifications

Cat. No.	*Ampacity Δ 65°C	W in. (mm)	F in. (mm)	S in. (mm)	H in. (mm)	S2 in. (mm)	H2 in. (mm)	T in. (mm)	Weight lb (gr)
LTL250C1	2500	6-3/8 (162)	4 (101.6)	2 (50.8)	11/16 (18)	2 (50.8)	11/16 (18)	1/4 (6.3)	6.58 (2985)
LTL250C2	2500	6-3/8 (162)	4 (101.6)	1-3/4 (44.4)	9/16 (14.3)	2 (50.8)	11/16 (18)	1/4 (6.3)	6.58 (2985)
LTL300C1	3000	6 (152.4)	4 (101.6)	2 (50.8)	11/16 (18)	2 (50.8)	11/16 (18)	3/8 (9.5)	9.21 (4178)
LTL300C2	3000	6 (152.4)	4 (101.6)	1-3/4 (44.4)	9/16 (14.3)	2 (50.8)	11/16 (18)	3/8 (9.5)	9.21 (4178)
LTL400C1	4000	6 (152.4)	4 (101.6)	2 (50.8)	11/16 (18)	2 (50.8)	11/16 (18)	1/2 (12.7)	12.40 (5625)
LTL400C2	4000	6 (152.4)	4 (101.6)	1-3/4 (44.4)	9/16 (14.3)	2 (50.8)	11/16 (18)	1/2 (12.7)	12.40 (5625)

*Temperature Rise test per; CEI60694, IEEE / ANSI C37, 34 1994

LTL Series

30 AWG Individual Strand



Standard Flexible Connectors

6 / 6 holes

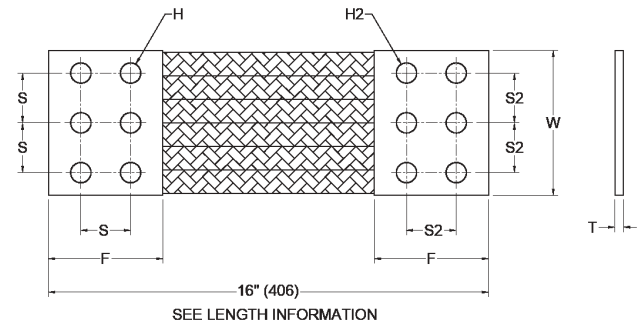
ORDERING INFORMATION

Length: Standard total lengths are 406 mm (16"). If different lengths are required, add your desired length in millimeters at the end of the part number. Ex.: LTL300D1**610** (for 24" long)

Plating: Standard ferrules are electro-tin plated. Other options are available, please refer to page 3.



Large Transformer Links



Technical Specifications

Cat. No.	*Ampacity Δ 65°C	W in. (mm)	F in. (mm)	S in. (mm)	H in. (mm)	S2 in. (mm)	H2 in. (mm)	T in. (mm)	Weight lb (gr)
LTL250D1	2500	6-3/8 (162)	4 (101.6)	2 (50.8)	11/16 (18)	2 (50.8)	11/16 (18)	1/4 (6.3)	5.95 (2699)
LTL250D2	2500	6-3/8 (162)	4 (101.6)	2 (50.8)	11/16 (18)	1-3/4 (44.4)	9/16 (14.2)	1/4 (6.3)	5.95 (2699)
LTL250D3	2500	6-3/8 (162)	4 (101.6)	1-3/4 (44.4)	9/16 (14.3)	1-3/4 (44.4)	9/16 (14.2)	1/4 (6.3)	5.95 (2699)
LTL300D1	3000	6 (152.4)	4 (101.6)	2 (50.8)	11/16 (18)	2 (50.8)	11/16 (18)	3/8 (9.5)	8.56 (3883)
LTL300D2	3000	6 (152.4)	4 (101.6)	2 (50.8)	11/16 (18)	1-3/4 (44.4)	9/16 (14.2)	3/8 (9.5)	8.56 (3883)
LTL300D3	3000	6 (152.4)	4 (101.6)	1-3/4 (44.4)	9/16 (14.3)	1-3/4 (44.4)	9/16 (14.2)	3/8 (9.5)	8.56 (3883)
LTL400D1	4000	6 (152.4)	4 (101.6)	2 (50.8)	11/16 (18)	2 (50.8)	11/16 (18)	1/2 (12.7)	11.73 (5321)
LTL400D2	4000	6 (152.4)	4 (101.6)	2 (50.8)	11/16 (18)	1-3/4 (44.4)	9/16 (14.2)	1/2 (12.7)	11.73 (5321)
LTL400D3	4000	6 (152.4)	4 (101.6)	1-3/4 (44.4)	9/16 (14.3)	1-3/4 (44.4)	9/16 (14.2)	1/2 (12.7)	11.73 (5321)

*Temperature Rise test per; CEI60694, IEEE / ANSI C37, 34 1994

LTL Series

30 AWG Individual Strand

BOREAL
braidings

Standard Flexible Connectors

6 / 6 holes

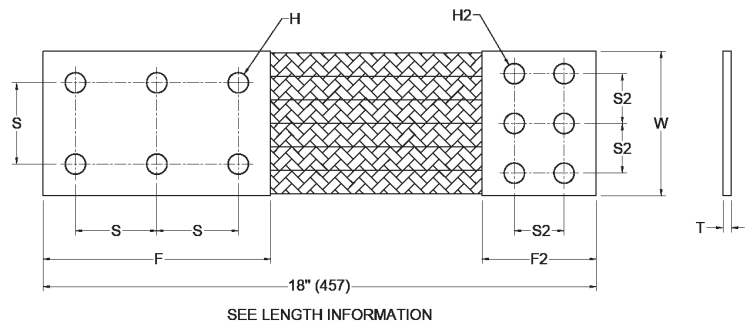
ORDERING INFORMATION

Length: Standard total lengths are 457 mm (18"). If different lengths are required, add your desired length in millimeters at the end of the part number. Ex.: LTL300E1**610** (for 24" long)

Plating: Standard ferrules are electro-tin plated. Other options are available, please refer to page 3.



Large Transformer Links



Technical Specifications

Cat. No.	*Ampacity Δ 65°C	W in. (mm)	F in. (mm)	S in. (mm)	H in. (mm)	F2 in. (mm)	S2 in. (mm)	H2 in. (mm)	T in. (mm)	Weight lb (gr)
LTL250E1	2500	6-3/8 (162)	6 (152.4)	2 (50.8)	11/16 (18)	4 (101.6)	2 (50.8)	11/16 (18)	1/4 (6.3)	6.53 (2962)
LTL250E2	2500	6-3/8 (162)	6 (152.4)	2 (50.8)	11/16 (18)	4 (101.6)	1-3/4 (44.4)	9/16 (14.2)	1/4 (6.3)	6.53 (2962)
LTL250E3	2500	6-3/8 (162)	5-1/2 (140)	1-3/4 (44.4)	9/16 (14.3)	4 (101.6)	1-3/4 (44.4)	9/16 (14.2)	1/4 (6.3)	6.53 (2962)
LTL300E1	3000	6 (152.4)	6 (152.4)	2 (50.8)	11/16 (18)	4 (101.6)	2 (50.8)	11/16 (18)	3/8 (9.5)	9.15 (4150)
LTL300E2	3000	6 (152.4)	6 (152.4)	2 (50.8)	11/16 (18)	4 (101.6)	1-3/4 (44.4)	9/16 (14.2)	3/8 (9.5)	9.15 (4150)
LTL300E3	3000	6 (152.4)	5-1/2 (140)	1-3/4 (44.4)	9/16 (14.3)	4 (101.6)	1-3/4 (44.4)	9/16 (14.2)	3/8 (9.5)	9.15 (4150)
LTL400E1	4000	6 (152.4)	6 (152.4)	2 (50.8)	11/16 (18)	4 (101.6)	2 (50.8)	11/16 (18)	1/2 (12.7)	12.32 (5588)
LTL400E2	4000	6 (152.4)	6 (152.4)	2 (50.8)	11/16 (18)	4 (101.6)	1-3/4 (44.4)	9/16 (14.2)	1/2 (12.7)	12.32 (5588)
LTL400E3	4000	6 (152.4)	5-1/2 (140)	1-3/4 (44.4)	9/16 (14.3)	4 (101.6)	1-3/4 (44.4)	9/16 (14.2)	1/2 (12.7)	12.32 (5588)

*Temperature Rise test per; CEI60694, IEEE / ANSI C37, 34 1994

LTL Series

30 AWG Individual Strand

BOREAL
braidings

Standard Flexible Connectors

6 / 6 holes

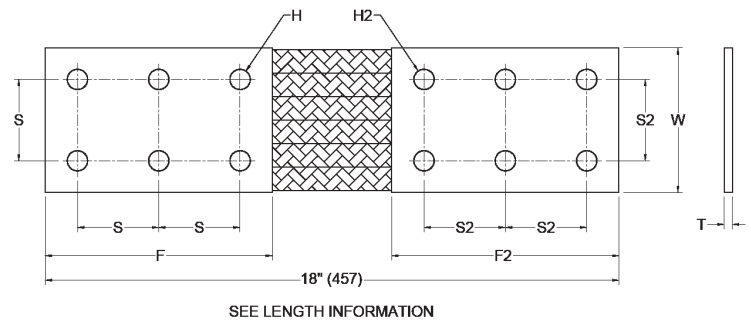
ORDERING INFORMATION

Length: Standard total lengths are 457 mm (18"). If different lengths are required, add your desired length in millimeters at the end of the part number. Ex.: LTL250F1**610** (for 24" long)

Plating: Standard ferrules are electro-tin plated. Other options are available, please refer to page 3.



Large Transformer Links

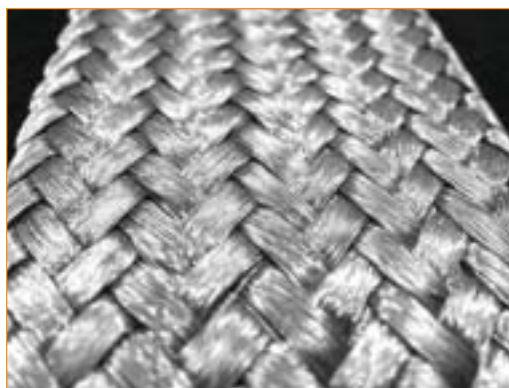


Technical Specifications

Cat. No.	*Ampacity Δ 65°C	W in. (mm)	F in. (mm)	S in. (mm)	H in. (mm)	F2 in. (mm)	S2 in. (mm)	H2 in. (mm)	T in. (mm)	Weight lb (gr)
LTL250F1	2500	6-3/8 (162)	6 (152.4)	2 (50.8)	11/16 (18)	6 (152.4)	2 (50.8)	11/16 (18)	1/4 (6.3)	7.12 (3230)
LTL250F2	2500	6-3/8 (162)	6 (152.4)	2 (50.8)	11/16 (18)	6 (152.4)	1-3/4 (44.4)	9/16 (14.2)	1/4 (6.3)	7.12 (3230)
LTL250F3	2500	6-3/8 (162)	5-1/2 (140)	1-3/4 (44.4)	9/16 (14.3)	5-1/2 (140)	1-3/4 (44.4)	9/16 (14.2)	1/4 (6.3)	7.12 (3230)
LTL300F1	3000	6 (152.4)	6 (152.4)	2 (50.8)	11/16 (18)	6 (152.4)	2 (50.8)	11/16 (18)	3/8 (9.5)	9.74 (4418)
LTL300F2	3000	6 (152.4)	6 (152.4)	2 (50.8)	11/16 (18)	6 (152.4)	1-3/4 (44.4)	9/16 (14.2)	3/8 (9.5)	9.74 (4418)
LTL300F3	3000	6 (152.4)	5-1/2 (140)	1-3/4 (44.4)	9/16 (14.3)	5-1/2 (140)	1-3/4 (44.4)	9/16 (14.2)	3/8 (9.5)	9.74 (4418)
LTL400F1	4000	6 (152.4)	6 (152.4)	2 (50.8)	11/16 (18)	6 (152.4)	2 (50.8)	11/16 (18)	1/2 (12.7)	12.91 (5856)
LTL400F2	4000	6 (152.4)	6 (152.4)	2 (50.8)	11/16 (18)	5-1/2 (140)	1-3/4 (44.4)	9/16 (14.2)	1/2 (12.7)	12.91 (5856)
LTL400F3	4000	6 (152.4)	5-1/2 (140)	1-3/4 (44.4)	9/16 (14.3)	5-1/2 (140)	1-3/4 (44.4)	9/16 (14.2)	1/2 (12.7)	12.91 (5856)

*Temperature Rise test per; CEI60694, IEEE / ANSI C37, 34 1994

Flat Braided Copper Cables



Product Description

- Conductors:** Strands are soft-drawn bare or tinned copper.
- Construction:** Strands are woven into a tubular braid and rolled flat.
- Application:** For bonding, grounding or connectors moving parts.
- Specification:** ASTM-B33
- Assemblies:** Factory Installed molded connectors also available.

The following listing represents the most popular flat braid constructions used in today's electrical industry. For other constructions, contact our customer service department.

Technical Specifications

Cat. No.	AWG Size	Circular Mil Area	Numbers and Size of Wires	Construction	Nominal Width (in.)	Nominal Thickness (in.)	Approx. Weight (lb / M)
FB - 4243230 -1*	300 MCM	307,200	3,072 / 30	4 x (24 x 32 / 30)	1-3/8	0.420	1,110
FB - 1485230 -1	250 MCM	249,600	2,496 / 30	48 x 52 / 30	2-1/2	0.190	900
FB - 3243230 -1	4/0	230,400	2,304 / 30	3 x (24 x 32 / 30)	1-1/4	0.375	825
FB - 2243230 -1	3/0	153,600	1,536 / 30	2 x (24 x 32 / 30)	1-1/8	0.250	560
FB - 1244430 -1	1/0	105,600	1,056 / 30	24 x 44 / 30	1	0.135	365
FB - 1482230 -1	1/0	105,600	1,056 / 30	48 x 22 / 30	1-3/8	0.120	365
FB - 1488436 -1	1/0	100,800	4,032 / 36	48 x 84 / 36	1-5/8	0.080	360
FB - 1243230 -1	1	76,800	768 / 30	24 x 32 / 30	1	0.125	200
FB - 12412036 -1	2	72,000	2,880 / 36	24 x 120 / 36	1	0.135	240
FB - 1485036 -1	2	60,000	2,400 / 36	48 x 50 / 36	1-1/4	0.090	205
FB - 1242030 -1	3	48,000	480 / 30	24 x 20 / 30	3/4	0.110	170
FB - 1484036 -1	3	48,000	1,920 / 36	48 x 40 / 36	1	0.090	160
FB - 1488640 -1	4	41,280	4,128 / 40	48 x 86 / 40	1	0.060	140
FB - 1246736 -1	4	40,200	1,608 / 36	24 x 67 / 36	3/4	0.090	135
FB - 1241630 -1	4	38,400	384 / 30	24 x 16 / 30	5/8	0.085	125
FB - 1241030 -1	6	24,000	210 / 30	24 x 10 / 30	1/2	0.080	83
FB - 1244036 -1	6	24,000	960 / 36	24 x 40 / 36	1/2	0.090	80
FB - 14810644 -2	7	20,350	5,088 / 44	48 x 106 / 44	5/8	0.050	68
FB - 1480836 -1	10	9,600	384 / 36	48 x 8 / 36	1/2	0.030	39
FB - 1241636 -1	10	9,600	384 / 36	24 x 16 / 36	3/8	0.060	39
FB - 1480636 -1	12	7,200	288 / 36	48 x 6 / 36	3/8	0.030	28
FB - 1481036 -1	12	6,000	240 / 36	24 x 10 / 36	1/4	0.030	23

(*) The suffix "-1" denotes tinned copper braid. For bare copper braid, replace "-1" with "-2".

NOTE: Dimensions shown are only approximate due to the extreme flexibility of braided cables.

Tinned Copper Tubular Braids



Product Description

- Conductors:** Strands are soft-drawn tinned copper.
- Construction:** Strands are woven into a tubular braid.
- Shield Coverage:** Braid is formed to maintain coverages of 90% shielding over the nominal diameters specified.
- Application:** For bonding, grounding or connecting moving parts.
- Specifications:** ASTM-B33, QQ-B-575

The following listing represents the most popular tubular braid constructions used in today's electrical and electronic industries. For other constructions, contact our customer service department.

Technical Specifications

Cat. No.	Nominal I.D. when Rounded	Nominal Circular Mil Area	AWG Size Equivalent	Number and Size of Wires	Construction	Approx. Weight (lb / M)
TB - 481630	2-1/4	77,180	1	768 / 30	48 x 16 / 30	260
TB - 481430*	2	67,540	2	672 / 30	48 x 14 / 30	230
TB - 481230*	1-1/2	57,890	3	576 / 30	48 x 12 / 30	200
TB - 481130*	1-3/8	53,060	3	528 / 30	48 x 11 / 30	185
TB - 481030	1-1/4	48,240	3	480 / 30	48 x 10 / 30	168
TB - 480930*	1-1/8	43,420	4	432 / 30	48 x 9 / 30	155
TB - 480830*	1	38,600	4	384 / 30	48 x 8 / 30	140
TB - 480730*	7/8	33,770	5	336 / 30	48 x 7 / 30	123
TB - 481234	13/16	22,896	7	576 / 34	48 x 12 / 34	85
TB - 481836*	25/32	21,600	7	864 / 36	48 x 18 / 36	79
TB - 480734*	1/2	13,356	9	336 / 34	48 x 7 / 34	53
TB - 481136*	1/2	13,200	9	528 / 36	48 x 11 / 36	53
TB - 240730*	3/8	16,880	8	168 / 30	24 x 7 / 30	62
TB - 480836*	3/8	9,600	10	384 / 36	48 x 8 / 36	40
TB - 240834	3/8	7,632	11	192 / 34	24 x 8 / 34	30
TB - 241336*	13/64	7,800	11	312 / 36	24 x 13 / 36	31
TB - 240734	1/4	6,678	12	168 / 34	24 x 7 / 34	26
TB - 240536*	1/8	3,000	15	120 / 36	24 x 5 / 36	13
TB - 240436*	7/64	2,400	16	96 / 36	24 x 4 / 36	11

(*) Denotes QQ-B-575 construction

NOTE: Because Tubular Braid is very pliable, the I.D.'s are nominal.

Stainless Steel Tubular Braids



Product Description

Conductors: Strands are made of Stainless Steel Type 304.

Construction: Strands are woven into a tubular braid.

General uses: Type 304 is the most widely used stainless steel and have good overall mechanical and corrosion resistance.

The following listing represents the most popular Stainless Steel tubular braid constructions used in the industry. For other constructions and/or types of Stainless Steel, contact our customer service department

Technical Specifications

Cat. No.	Nominal I.D. when Rounded	AWG of Individual Ends	No. of Strand (Carriers)	No. of Wires per Strand	Total No. of Individual Wires	Approx. Weight (lb / M)
TB - 480730-SS	1	30	48	7	336	129
TB - 481836-SS	7/8	36	48	18	864	78
TB - 481536-SS	3/4	36	48	15	720	63
TB - 481136-SS	5/8	36	48	11	528	50
TB - 480936-SS	1/2	36	48	9	432	43
TB - 480836-SS	7/16	36	48	8	384	39
TB - 480736-SS	3/8	36	48	7	336	32
TB - 320832-SS	5/16	32	32	8	256	36
TB - 320834-SS	1/4	34	32	8	256	34
TB - 241336-SS	1/4	36	24	13	312	28
TB - 241036-SS	7/32	36	24	10	240	23
TB - 240836-SS	3/16	36	24	8	192	19
TB - 240736-SS	11/64	36	24	7	168	17
TB - 320634-SS	5/32	34	32	6	192	30
TB - 240536-SS	1/8	36	24	5	120	13
TB - 240436-SS	7/64	36	24	4	96	11
TB - 240336-SS	5/64	36	24	3	72	9
TB - 240236-SS	1/16	36	24	2	48	7
TB - 160336-SS	1/32	36	16	3	48	7

NOTES: Because Tubular Braid is very pliable, the I.D.'s are nominal.
These Tubular Braid can be flattened to form a grounding strap.

Aluminum Tubular Braids



Product Description

Conductors: Strands are made of Alclad 5056 Aluminum Alloy.

Construction: Strands are woven into a tubular braid.

General uses: As required by Allied Mil-Specs and other industrial specifications.

The following listing represents the most popular aluminum tubular braid constructions used in the industry. For other constructions, contact our customer service department.

Technical Specifications

Cat. No.	Nominal I.D. when Rounded	Circular Mil Area	Number and Size of Wires	AWG Size	Current Rating AMPS	Approx. Weight (lb / M)
TB - 481836-AL	25/32	21,600	864 / 36	7	–	27
TB - 481536-AL	5/8	18,000	720 / 36	8	–	24
TB - 481136-AL	1/2	13,200	528 / 36	9	–	17
TB - 480836-AL	3/8	9,600	384 / 36	10	–	13
TB - 241636-AL	1/4	9,600	384 / 36	10	–	13
TB - 241336-AL	13/64	7,800	312 / 36	11	–	10
TB - 240736-AL	11/64	4,200	168 / 36	14	–	6
TB - 240536-AL	1/8	3,000	120 / 36	15	–	4
TB - 240436-AL	7/64	2,400	96 / 36	16	–	4
TB - 240336-AL	5/64	1,800	72 / 36	18	–	3
TB - 240236-AL	1/16	1,200	48 / 36	19	–	2
TB - 240136-AL	1/32	600	24 / 36	22	–	1

NOTES: Because Tubular Braid is very pliable, the I.D.'s are nominal.
These Tubular Braid can be flattened to form a grounding strap.

Nickel Plated Tubular Braids



Product Description

Conductors: Strands are made of Nickel plated copper per ASTM-B-355

Construction: Strands are woven into a tubular braid.

General uses: EMI Shieldings, high temperature environment.

The following listing represents the most popular Nickel plated copper tubular braid constructions used in the industry. For other constructions, or with solid Nickel braid, contact our customer service department.

Technical Specifications

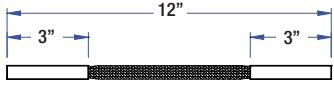
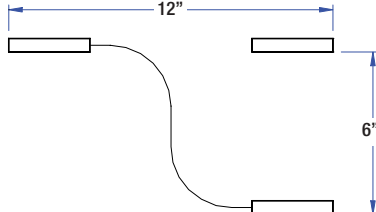
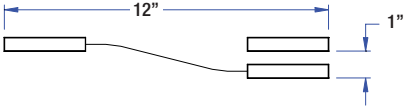
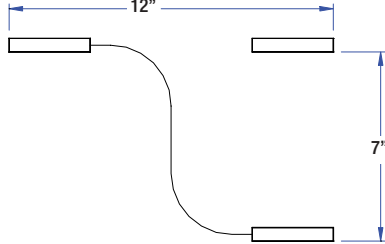
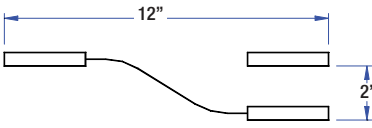
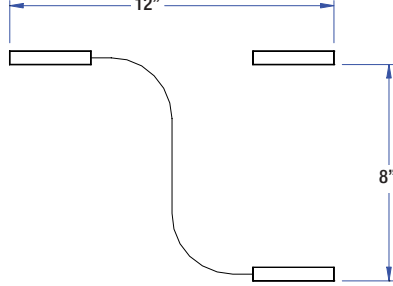
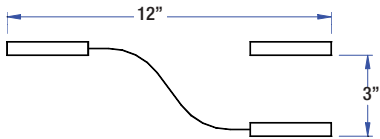
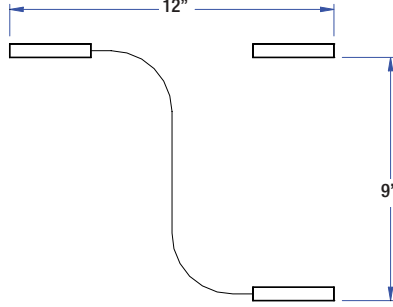
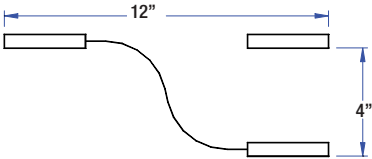
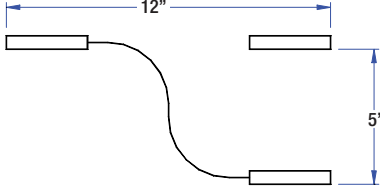
Cat. No.	Nominal I.D. when Rounded	Circular Mil Area	Number and Size of Wires	AWG Size	Current Rating AMPS	Approx. Weight (lb / M)
TB - 481630-NK	2-1/4	76,800	768 / 30	1	140	265
TB - 481430-NK	1-7/8	67,200	672 / 30	2	130	230
TB - 481230-NK	1-1/2	57,600	576 / 30	3	110	200
TB - 481130-NK	1-3/8	52,800	528 / 30	3	105	192
TB - 481030-NK	1-1/4	48,150	480 / 30	3	100	168
TB - 480930-NK	1-1/8	43,330	432 / 30	4	95	153
TB - 480830-NK	1	38,600	384 / 30	4	90	137
TB - 480730-NK	7/8	33,700	336 / 30	5	75	129
TB - 481836-NK	25/32	21,600	864 / 36	7	65	75
TB - 481136-NK	1/2	13,200	528 / 36	9	45	50
TB - 480836-NK	3/8	9,600	384 / 36	10	40	39
TB - 241636-NK	1/4	9,600	384 / 36	10	40	38
TB - 241036-NK	5/32	6,000	240 / 36	12	30	23
TB - 240536-NK	1/8	3,000	120 / 36	15	18	13
TB - 240236-NK	1/16	1,200	48 / 36	19	8	7

NOTES: Because Tubular Braid is very pliable, the I.D.'s are nominal.
These Tubular Braid can be flattened to form a grounding strap.

Offset Calculation Guide



IMPORTANT: This Offset Calculation Guide should be used as a reference only and represents a minimum percentage to be added depending on the offset dimension between two connecting points. A higher percentage might be necessary depending on the size and/or flexibility of the assembly.

0  Assembly length = 12"	6  Assembly length x 1.34% = Length required Example: 12" x 1.34 = 16-1/8"
1  Assembly length x 1.02% = Length required Example: 12" x 1.02 = 12-1/4"	7  Assembly length x 1.43% = Length required Example: 12" x 1.43 = 17-1/8"
2  Assembly length x 1.04% = Length required Example: 12" x 1.04 = 12-1/2"	8  Assembly length x 1.54% = Length required Example: 12" x 1.54 = 18-1/2"
3  Assembly length x 1.10% = Length required Example: 12" x 1.10 = 13-1/4"	9  Assembly length x 1.66% = Length required Example: 12" x 1.66 = 20"
4  Assembly length x 1.18% = Length required Example: 12" x 1.18 = 14-1/8"	
5  Assembly length x 1.26% = Length required Example: 12" x 1.26 = 15-1/8"	

Conversion Chart



Area	To Obtain	Multiply By
Square Mils	Circular Mils	1.2732
Square Mils	Square Inches	.000001
Circular Mils	Square Mils	.7854
Circular Mils	Square Inches	.0000007854
Circular Mils	Circular Inches	.000001
Circular Mils	Square Millimeters	.0005067
Square Inches	Square Mils	1,000,000.
Square Inches	Circular Mils	1,273,200.
Square Inches	Circular Inches	1.2732
Square Inches	Square Millimeters	645.2
Square Inches	Square Centimeters	6.452
Circular Inches	Circular Mils	1,000,000.
Circular Inches	Square Inches	.7854
Square Feet	Square Meters	.09290
Square Millimeters	Circular Mils	1,973.5
Square Millimeters	Square Inches	.0015500
Square Centimeters	Square Inches	.15500
Square Meters	Square Feet	10.764
Area	To Obtain	Multiply By
Mils	Inches	.001
Mils	Millimeters	.02540
Inches	Mils	1,000.
Inches	Millimeters	25.40
Inches	Centimeters	2.540
Inches	Meters	0.02540
Millimeters	Mils	39.37
Millimeters	Inches	.03937
Centimeters	Inches	.3937
Centimeters	Feet	.03281
Meters	Inches	39.37
Meters	Feet	3.2808
Meters	Yards	1.0936
Kilometers	Thousands of Feet	3.2808
Kilometers	Miles	.6214
Miscellaneous	To Obtain	Multiply By
Pounds	Kilograms	.4536
Pounds per Square Inch	Kilograms per Square Centimeter	.07031
Pounds per Cubic Inch	Grams per Cubic Centimeter	27.68
Pounds per 1000 Feet	Kilograms per Kilometer	1.488
Grams per Cubic Centimeter	Pounds per Cubic Inch	.03613
Kilograms	Pounds	2.2046
Kilograms per Square Centimeter	Pounds per Square Inch	14.223
Ohms per 1000 Feet	Ohms per Kilometer	3.2808
Ohms per Kilometer	Ohms per 1000 Feet	.3048

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FB-1480636-1	.36	SWA055A2	.12	SWC160K1	.24
FB-1480836-1	.36	SWA055A3	.12	SWC215A1	.15
FB-1481036-1	.36	SWA070A1	.12	SWC215A2	.15
FB-14810644-2	.36	SWA070A2	.12	SWC215A3	.15
FB-1482230-1	.36	SWA070A3	.12	SWC215B1	.16
FB-1484036-1	.36	SWA070A4	.12	SWC215C1	.17
FB-1485036-1	.36	SWA100A1	.12	SWC215C2	.17
FB-1485230-1	.36	SWA100A2	.12	SWC215D1	.18
FB-1488436-1	.36	SWA100A3	.12	SWC215D2	.18
FB-1488640-1	.36	SWB070A1	.13	SWC215E1	.19
FB-2243230-1	.36	SWB070A2	.13	SWC215E2	.19
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SWD210D2	.27	TB-480930-NK	.40		
SWD210D3	.27	TB-480936-SS	.38		
SWE140A1	.28	TB-481030	.37		
SWE140B1	.29	TB-481030-NK	.40		