ABB

Installation Products
Emergency electrical solutions

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- **Easy-cleaning cable and outlet protection for wash-down areas**
- **Supporting and delivering power to temporary structures**
- **Cable bundling/fastening and identification components**
- **Temporary power systems**

Thomas & Betts is now part of ABB's Installation Products Division, but our long legacy of quality products and innovation remains the same. From connectors that support wire buildings on Earth to cable ties that help put machines in space, we continue to work every day to make, market, design and sell products that provide a smarter, safer and more reliable flow of electricity, from source to socket.

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Emergency electrical solutions
Components and systems for rapid scaling of temporary facilities.

During these unpredictable and dangerous times, ABB Installation Products is uniquely positioned to provide immediate, affordable and customizable solutions to bring electricity from the junction box to the socket in demanding environments.

The quick construction of added hospital infrastructure to care for sick patients also means a quick need to provide electricity under demanding and possibly temporary situations. ABB Installation Products can provide customizable or standard solutions to meet your requirements.

Wash-down/spray-down areas
Easy-cleaning components and systems to help protect electrical connections

T&B Liquidtight Systems®
Flexible metallic conduit and fittings
Complete systems of liquid-tight flexible metallic-cored conduit (FMC) and fittings.
• Superior protection from chemicals, solvents, high-pressure wash-down and more
• Stainless steel, aluminum, steel and other materials
• System ingress ratings per UL50/50E — matching enclosure ingress ratings
• Global certifications, including UL, CSA, IEC/EN, CE and RoHS

T&B Fittings
Stainless steel rigid conduit, fittings and accessories
Expanded portfolio of rigid stainless steel conduit and fittings designed to withstand corrosive environments and meet stringent sanitary requirements.

• 304 and 316 stainless steel conduit in trade sizes from ½" to 6"
• 316 stainless steel conduit bodies with smooth hygienic markings for easy cleaning
• Stainless steel couplings, nipples, elbows, straps, clamps and more

T&B® Fittings
Liquid-tight cord and cable fittings
Designed to protect cable or portable cord where it enters enclosures, panels or other equipment.

• Sealed entry limits the ingress of water and dust
• Stainless steel, aluminum, steel, nickel-plated brass and nylon materials
• Certifications include UL, CSA and others

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Temporary structures

Supporting and delivering power to temporary structures

Steel City®
Electrical boxes and fittings
Since 1904, Steel City products
have set the standard as the leading
brand in electrical construction.
• Steel City boxes and covers are a
  complete solution for mounting
  devices and fixtures
• Steel City fittings are
  manufactured to strict tolerances
  for consistent performance
• Full complement of hangers, fittings,
  hardware, threaded rod and accessories

Superstrut®
Metal framing system and accessories
With a complete portfolio of fittings,
hardware and accessories to complete
any metal framing job, Superstrut
metal framing is the only system
of its kind to provide multiple
finishes for total corrosion
protection.
• Industry-standard pre-galvanized
  and hot-dipped galvanized, plus GoldGalv®
  and SilverGalv® premium finishes
• Innovative, labor-saving accessories for fast, easy
  installation — including SuperMag™ magnetic strut fittings

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Fastening and identification

Bundle and identify wires and cables

Ty-Rap®
High-performance cable ties and accessories
When performance matters, the pros reach
for Ty-Rap brand cable ties.
• Exclusive Grip of Steel® 316 stainless steel
  locking device
• Smooth, rounded strap helps ensure even
  pressure across
  the tie and around the circumference of the bundle
• Solid body is stress-free for strength and durability

EZCODE®
Identification products
EZCODE products are
indispensable for safety
and identification.
• Easy-to-use wire
  markers
• Hazard and safety signs and labels
• Marking tapes to help designate restricted areas

Ty-Fast®
Ag+® anti-bacterial cable ties
A breakthrough fastening solution
for bacteria-prone areas.
• The industry's first cable tie that inhibits
  microbial growth on the tie
• Helps to reduce spread of bacteria
  by not hosting microbial growth
• UL listed and FDA compliant material

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Temporary power
Delivering power when it's needed, where it's needed

Ocal®
PVC-coated conduit, fittings and accessories
Complete line of corrosion-resistant PVC-coated conduit, fittings and accessories.
- Industry-leading thread protection through a hot-dipped galvanizing process
- Full undisturbed zinc coating under the PVC coating
- UL listed with both zinc coating and PVC coating investigated and listed per UL 6
- UL verified 4X conduit body meets the industry standard for protection against both corrosion and liquid ingress

Steel City
Floor boxes
Ideal for providing permanent or temporary power access.
- Wide range of styles and sizes — custom configurable for any combination of power and data outlets
- Rugged, corrosion-resistant, solid aluminum or solid brass covers stand up to heavy traffic
- Compliant with UL 541 scrub water and ADA requirements

Blackburn®
Single-conductor, one-hole mechanical lugs
Feature slot-head screws for easy installation with just a standard screwdriver.
- Type L copper lugs accept copper conductors from #14 AWG solid to #8 AWG stranded (L35) or #4 AWG stranded (L70)
- Type ADR dual-rated aluminum lugs accept aluminum or copper conductors from #14 AWG solid to #6 AWG stranded (ADR6) or 1/0 AWG stranded (ADR11)
- UL listed (Type L are also CSA certified)

Blackburn
Grounding clamps
High-quality clamps for safe grounding.
- Type JAB copper alloy ground clamps feature socket set screws and are UL listed for direct burial
- JAB12 connects #10 AWG solid to #2 AWG stranded conductor to ½" ground rod
- JAB58 connects #8 AWG solid to 1/0 AWG stranded conductor to ⅝" ground road
- Type J cast bronze ground clamp connects #10 AWG solid to #2 AWG stranded conductor to ½" to 1" water pipe or copper tube
- UL listed

Blackburn
High-strength split-bolt connectors
For quick, temporary power connections.
- For copper-to-copper connections
- 8H connects #8 AWG stranded to #10 AWG solid equal main and tap
- 6H connects #6 AWG solid to #8 AWG solid equal main and tap
- 4H connects #4 AWG solid to #8 AWG solid equal main and tap
- All connect #14 solid min. tap with one max. main
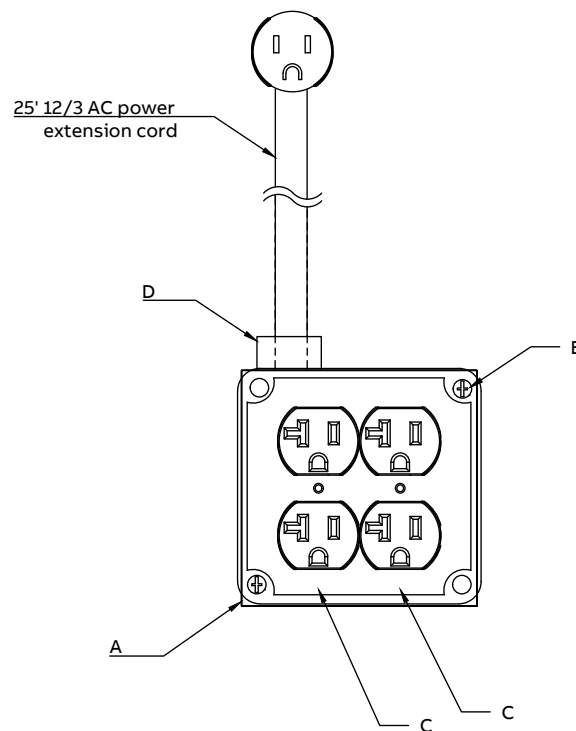- UL listed and CSA certified

Emergency electrical solutions
eFab® services for rapid scaling
of temporary facilities.

Because medical treatment facilities are needed quickly and in a variety of conditions
and settings, the ABB eFab program is available to help fast-track your project.

The eFab group can take any of our ABB products and customize a solution to suit your
needs with everything from engineering drawings through pre-assembled final product
and every step in between.
• In-stock quick-ship general pre-fabricated electrical assemblies
• Hospital-grade portable outlet assemblies
• Custom design services for electrical branch wiring
• Quick shipment of cut-to-length strut

Wire diagram

Whip#1

Grn Blk Wht Red

25' 12/3 AC power
extension cord

D

B

W   W   Blk   Wht

Blk Wht

R   R

Grn   Grn

A

C   C

W

C
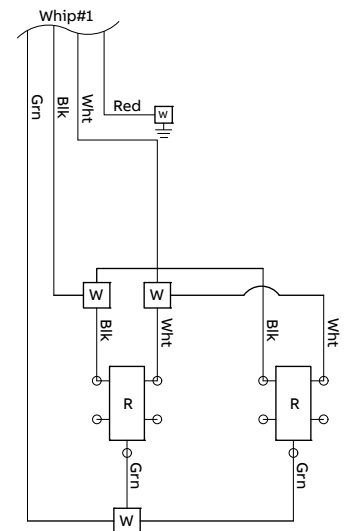
Note:
Hook type pigtails only.

Legend
Black - Hot 120V IN
White - Neutral
Green - Ground
W   - Wago

R   - receptacle

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Hospital grade standard duplex x 2

ABB Installation Products can provide
customizable or standard solutions
to meet your requirements.

Contact us

Through these trying times, ABB Installation Products is here to help. Bringing electricity from the transformer to the socket is our specialty. We have the products, services and knowledge to assist you. Please contact one of the following individuals to bring help where it is needed.

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480-236-6340

Installation Products for applications

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01 Continuous operation and sustainability.
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02 Corrosion and harsh environment protection.
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03 Safety and contamination.
—
04 Emergency electrical solutions.
—
05 Total project cost reduction.
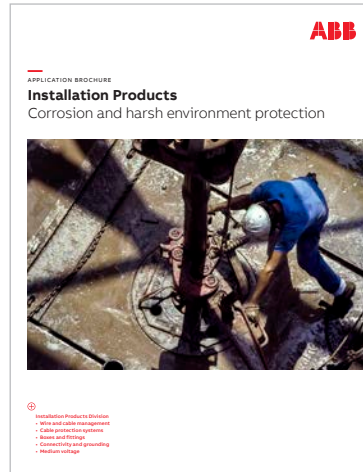—
06 Liquid ingress protection.
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07 Extreme temperature protection.
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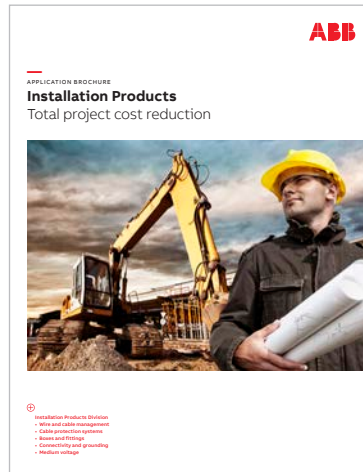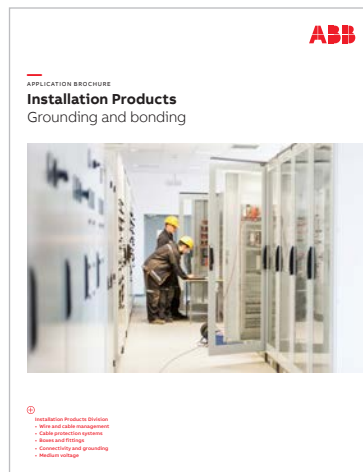08 Grounding and bonding.
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09 SKU Reduction.

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APPLICATION BROCHURE
Installation Products
Continuous operation and sustainability

Installation Products Division
• Wire and cable management
• Cable protection systems
• Boxes and fittings
• Connectivity and grounding
• Medium voltage

01

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APPLICATION BROCHURE
Installation Products
Corrosion and harsh environment protection

Installation Products Division
• Wire and cable management
• Cable protection systems
• Boxes and fittings
• Connectivity and grounding
• Medium voltage

02

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APPLICATION BROCHURE
Installation Products
Safety and contamination

Installation Products Division
• Wire and cable management
• Cable protection systems
• Boxes and fittings
• Connectivity and grounding
• Medium voltage

03

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APPLICATION BROCHURE
Installation Products
Emergency electrical solutions

• Easy-cleaning cable and outlet protection for wash-down areas
• Supporting and delivering power to temporary structures
• Cable bundling/fastening and identification components
• Temporary power systems

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APPLICATION BROCHURE
Installation Products
Total project cost reduction

Installation Products Division
• Wire and cable management
• Cable protection systems
• Boxes and fittings
• Connectivity and grounding
• Medium voltage

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APPLICATION BROCHURE
Installation Products
Liquid ingress protection

Installation Products Division
• Wire and cable management
• Cable protection systems
• Boxes and fittings
• Connectivity and grounding
• Medium voltage

06

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APPLICATION BROCHURE
Installation Products
Extreme temperature protection

Installation Products Division
• Wire and cable management
• Cable protection systems
• Boxes and fittings
• Connectivity and grounding
• Medium voltage

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APPLICATION BROCHURE
Installation Products
Grounding and bonding

Installation Products Division
• Wire and cable management
• Cable protection systems
• Boxes and fittings
• Connectivity and grounding
• Medium voltage

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APPLICATION BROCHURE
Installation Products
SKU Reduction

Installation Products Division
• Wire and cable management
• Cable protection systems
• Boxes and fittings
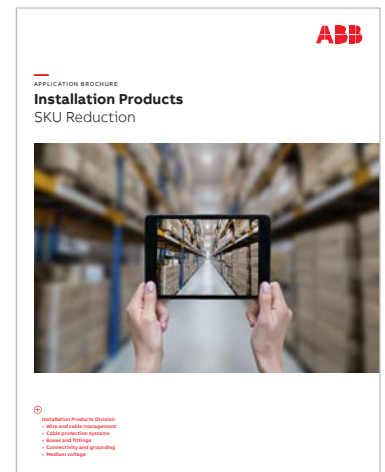• Connectivity and grounding
• Medium voltage

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Installation Products for industries

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01 Commercial and institutional buildings.
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02 Data centers.
—
03 Food and beverage industry.
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04 Food and beverage industry - plant assessment.
—
05 Utility industry.
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06 Power generation industry.
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07 Chemical industry.
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08 Oil and gas industry.
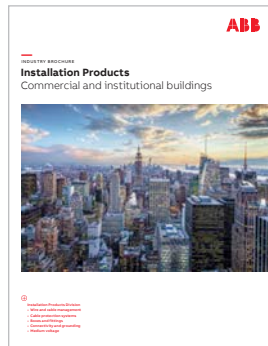—
09 Wind power industry.
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10 Renewable energy industry.
—
11 Water and wastewater treatment industry.
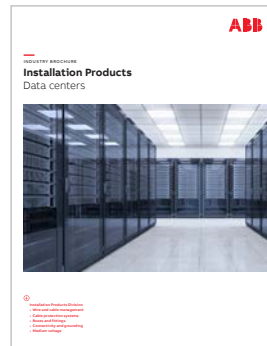—
12 Single and multi-family housing industry.
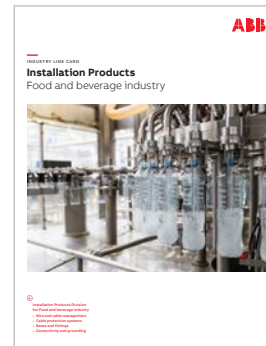—
13 Rail industry.
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14 Civil infrastructure industry.
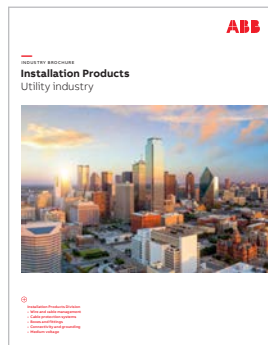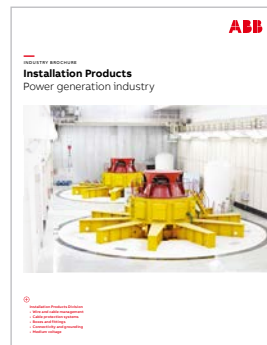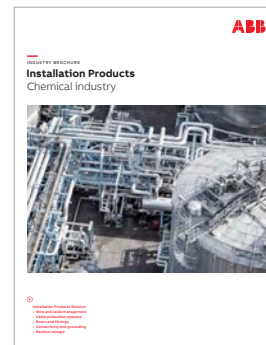—
15 Metals and mining industry.

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— INDUSTRY BROCHURE
Installation Products
Commercial and institutional buildings

01

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— INDUSTRY BROCHURE
Installation Products
Data centers

02

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— INDUSTRY LINE CARD
Installation Products
Food and beverage industry

03

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— INDUSTRY BROCHURE
Installation Products
Food and beverage industry - plant assessment

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— INDUSTRY BROCHURE
Installation Products
Utility industry

05

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— INDUSTRY BROCHURE
Installation Products
Power generation industry

06

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— INDUSTRY BROCHURE
Installation Products
Chemical industry

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— INDUSTRY BROCHURE
Installation Products
Oil and gas industry

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— INDUSTRY BROCHURE
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Wind power industry

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— INDUSTRY BROCHURE
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Renewable energy industry

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— INDUSTRY BROCHURE
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— INDUSTRY BROCHURE
Installation Products
Single and multi-family housing industry

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— INDUSTRY BROCHURE
Installation Products
Rail industry

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— INDUSTRY BROCHURE
Installation Products
Civil infrastructure industry

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— INDUSTRY BROCHURE
Installation Products
Metals and mining industry
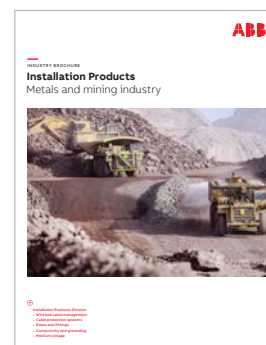

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