

ELECTRICAL SOLUTIONS FOR RENEWABLE ENERGY

BRIDGEPORT FITTINGS

Wet Location Fittings, Liquid Tight Fittings, Grounding and Bonding Products, Conduit Bodies, Straps and Clamps



ELECTRI-FLEX

Liquatite® Flexible Conduit, Jacketed Metallic, Nonmetallic,



EX CO. (R) (SP HD - LL 18858

EMI / RFI Shielded, Nylon - Corrlok

HAYDON

H-Strut Metal Framing Systems, Channel, and Fittings; H-Block Rooftop Supports



HELLERMANNTYTON

Solar Ties, Solar E-Clips, Metal Edge Clips, Solar Labels and Placards



ILSCO

Mechanical and Compression Terminals, Splices, Taps and Grounding; Solar Grounding; Tools; Specialty Products



LITTELFUSE

Industrial Fuses and Fuse Holders, Protection Relays and Controls, Arc Flash Detection, DC Ground Fault Monitors



MGM TRANSFORMER

15 to 1500 KVA, 3 Phase Solar Duty Transformers



MOLTEC INTERNATIONAL

Solar EZ Connect Systems, Quik Fit 3.0 Wind Turbine Lighting Interconnect Systems



UL & CSA Certified Solar Cable Tray Systems



PRIORITY WIRE & CABLE

Aluminum and Copper Photovoltaic Solar and Grounding Solutions



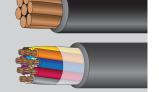
REMKE

Helio-Seal Solar Liquidtight Cord Grips



SERVICE WIRE

ServiceSolar, X-HHW2, ServiceGuard, Bare Copper



SURGE SUPPRESSION (SSI)

Smart Grid Surge Suppression



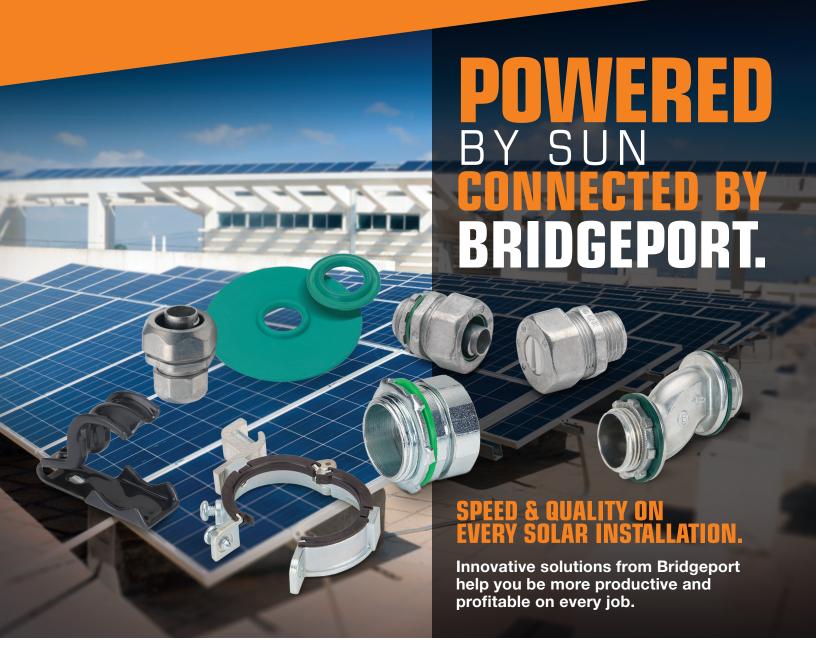
UNITY MANUFACTURING

Type 1, 3R, 4, 4X and 12 Electrical Enclosures, Stainless Steel, Signature Series. UL-Approved Custom Enclosures





BESOLAR.









EXPLORE SOLAR SOLUTIONS

INNOVATION IN SOLAR. BRIDGEPORT DELIVERS.



infrastructure to deliver renewable energy need high-quality, highperformance products to meet the demands of solar projects. Bridgeport delivers with innovative solutions in

- Grounding Products Connectors and Couplings
- Clamps, Straps and Hangers
- Electrical contractors building the categories like these:
 - Liquid Tight Fittings
 - **Raceway Transition Fittings**
 - Conduit Bodies



So, when you're installing innovative ways to generate energy, be sure to choose the innovative fittings that are up to the task. Get Bridgeport.



WET LOCATION FITTINGS

	Description	Product Use	Catalog No. or Series	
60	Zinc Die Cast Threaded Hubs	Used to secure threaded rigid service entrance conduit to box or enclosure	151-DC to 160-DC	
	Zinc Die Cast Grounding Hubs	Used to secure threaded rigid service entrance conduit to box or enclosure. The locknut has an attached lug that allows for installation of a ground wire	166-DCG to 170-DCG	
(9-) I	US Made Zinc EMT Raintight Compression Connectors	Used to connect EMT to box or enclosure in a wet location	250-RT2 to 259-RT2 and 250-RTI2 to 259-RTI2	Wage U.S.A.
	US Made Zinc EMT Raintight Compression Couplings	Used to join two lengths of EMT in a wet location	260-RT to 269-RT	WARE U.S.A.
	Zinc Die Cast Extra Thread Length Raintight Compression Connectors	Used for grounding and bonding thru thick walled Enclosures	250-RT2XL to 252-RT2XL	
	Mighty-SEAL® Raintight NPT Threaded Hub Connectors	Used to join EMT to NPT Threaded Entries	250-RTNPT to 252-RTNPT	
9	Mighty-Seal® Push-EMT® Raintight Connectors	Used to connect EMT to a box or enclosure in a wet location	250-MSRT, 251-MSRT and 250-MSRTI, 251-MSRTI	WADE U.S.A.
(I)	Mighty-Seal® Push-EMT® Raintight Couplings	Used to connect EMT to a box or enclosure in a wet location	260-MSRT 261-MSRT	MADÊ IMTH ULS'A
	US Made Steel Raintight Compression Connectors	Used to connect EMT to a box or enclosure in a wet location	250-SRT to 259-SRT and 250-SRTI to 259-SRTI	
TO	US Made Steel Raintight Compression Couplings	Used to join two lengths of EMT in a wet location	260-SRT to 269-SRT	
	US Made Zinc Die Cast UF Cable Connectors	Connectors used to connect under ground cable to a box or enclosure ensuring a watertight seal	761-UF and 762-UF	MADE JUSTA
	Straight PVC Jacketed MC Cable Connectors	Used for connection in a wet or adverse location	595-DC2, 596-DC2 and 595-DCI2, 596-DCI2 (Polyolefin coated versions 595-DC2C and 596-DC2C)	
	90° PVC Jacketed MC Cable Connector	Used for connection in a wet or adverse location	895-DC2 and 895-DCl2 (Polyolefin coated version 895-DC2C)	
0	Mighty-Seal® Reducing Sealing Washers	Used when a concentric knockout breaks out larger than expected. Maintains 3R rating on listed enclosures	1061-RT to 1074-RT	
	Mighty-Align® Self-Aligning Raintight Three-Piece Conduit Couplings	Used to join two lengths of threaded rigid conduit in a wet location	1121-RT to 1130-RT	
	Mighty-Seal® Raintight Offset Nipples	Use to offset a raceway 3/4" between enclosures. Completely assembled with locknuts and sealing washers	1520-RT to 1522-RT	

SOLAR ENERGY



LIQUID TIGHT FITTINGS

	Description	Product Use	Catalog No. or Series
	Nonmetallic Liquid Tight Connectors	Straight and 90° connectors used to connect liquid tight "Type B" nonmetallic conduit	429-NMLT to 435-NMLT
	Straight Zinc Liquid Tight Connectors	Connectors used to connect metallic and nonmetallic "Type B" liquid tight conduit to a box or enclosure	429-LT2 to 439-LT2 and 429-LTI2 to 439-LTI2
	Straight Steel and Malleable Iron Liquid Tight Connectors	Connectors used to connect metallic liquid tight conduit to a box or enclosure	Steel: 429-SLT to 432-SLT and 429-SLTI to 432-SLTI Malleable: 429-MLT to 439-SLT and 420-MLTI to 439-SLT
	Liquid Tight Sealing Rings	Used to provide a liquid tight seal between the connector and the enclosure	SR-050 to SR-400
Mrs.	Zinc Die Cast Transition Couplings	Used to join EMT to metallic or nonmetallic "Type B" liquid tight conduit	4360-DC to 4365-DC
	Malleable Iron Transition Couplings	Used to join rigid or IMC to liquid tight flexible metal conduit	4369-LT to 4375-LT

GROUNDING AND BONDING PRODUCTS

18	Description	Product Use	Catalog No. or Series
O	Mighty-Rite® Split Grounding Bushings	Grounding Bushing designed for easy installation after wires have been pulled	SGB Series
	Solderless Lugs	Terminates bonding conductor to box or enclosure	ALI-50 to ALI-252
20 000	Solar Panel Grounding Connector	Designed to prevent galvanic reactions and enhance conductivity. Unique clamp-on design	ALI-SLR
	Mighty-Bond® Enclosure Grounding Connectors	Tamper proof design for securing grounding and bonding conductors at the enclosure in accordance with National Electrical Code	MC-050, MC-075 and MC-100
(Fe)	Mighty-Bond® Enclosure Grounding Couplings	For securing grounding and bonding conductors at the enclosure in accordance with National Electrical Code	MCC-050, MCC-075 and MCC-100
	Mighty-Bond® Raintight Grounding and Bonding Hubs	Provides a listed method of grounding and bonding between ground electrode conductors to boxes, equipment and rigid conduit	MCH-075 and MCH-100 in brass (MCH-125 to MCH-200 in stainless steel)
5 5 5	Mighty-Bond® Grounding & Bonding Bridge	Designed for use with Bridgeport MCC- and MC- series connectors for grounding and bonding inside or outside of an enclosure knockout	IGB-050 and IGB-075
00 00	Mighty-Bond® Ground Rod or Rebar Bridge Clamp	Brass Ground rod or rebar clamp with 4-stainless steel terminals for bonding to grounding electrode systems. DB Rated	IGBC-063 and IGBC-075
O	Zinc Die Cast Grounding Locknuts	Offers an Additional Grounding/Bonding Path	161-G thru 170-G
(0)	Zinc Die Cast Insulated Grounding Locknuts	Offers an Additional Grounding/Bonding Path	161-Gl and 162-Gl

SOLAR ENERGY



CONDUIT BODIES

Description	Product Use	Catalog No. or Series
Combination Threaded for Rigid/ IMC and Set Screws for EMT	Used to provide access for transition, pulling, maintenance and change of direction in a raceway system	C-41CGC thru C-46CGC
Combination Threaded for Rigid/ IMC and Set Screws for EMT	Used to provide access for transition, pulling, maintenance and change of direction in a raceway system	LB-41CGC thru LB-46CGC
EMT Conduit Body with Integral Raintight Compression Connectors	Used to provide access for transition, pulling, maintenance and change of direction in a raceway system	LB-42RT thru LB-43RT
Combination Threaded for Rigid/ IMC and Set Screws for EMT	Used to provide access for transition, pulling, maintenance and change of direction in a raceway system	LL-41CGC thru LL-46CGC
Combination Threaded for Rigid/ IMC and Set Screws for EMT	Used to provide access for transition, pulling, maintenance and change of direction in a raceway system	LR-41CGC thru LR-46CGC
Combination Threaded for Rigid/ IMC and Set Screws for EMT	Used to provide access for transition, pulling, maintenance and change of direction in a raceway system	LLR-41 thru LLR-46
EMT Conduit Body with Integral Raintight Compression Connectors	Used to provide access for transition, pulling, maintenance and change of direction in a raceway system	LLR-42RT thru LLR-43RT
Combination Threaded for Rigid/ IMC and Set Screws for EMT	Used to provide access for transition, pulling, maintenance and change of direction in a raceway system	T-41CGC thru T-46CGC

STRAPS AND CLAMPS

	Description	Product Use	Catalog No. or Series
	Mighty-Hold® Universal Clamp Straps	Used to support EMT, rigid, liquid tight and PVC conduit to mounting surface	UCS-5075 to UCS-150200 (Polyolefin coated versions available as UCSC-5075 to UCSC-150200)
	US Made Steel EMT One Hole Straps	Used to support EMT to mounting surface	920-S to 925-S and 907-S to 910-S
	Malleable Iron EMT One Hole Straps	Used to support EMT to mounting surface	920 to 925 and 907 to 910
	US Made Steel Rigid One Hole Pipe Straps	Used to support rigid conduit to mounting surface	901-S to 910-S
	Malleable Rigid One Hole Pipe Straps	Used to support rigid conduit to mounting surface	900 to 913
3	Aluminum Rigid One Hole Pipe Straps	Used to support rigid conduit to mounting surface	901-AL to 906-AL
10	Malleable Iron Clamp Backs	Provides space between conduit and mounting surface	941 to 950 and 9951 to 9952
A.	Conduit Clamps	Used to support conduit perpendicular to a channel or mounting structure	961 to 966
	Beam Clamps	Used to support conduit or briddle rings to a channel or mounting structure	951-S and 953-S



Bridgeport Fittings, LLC | 705 Lordship Blvd., Stratford, CT 06615-7313 Voice: 203.377.5944 | E-mail: sales@bptfittings.com | www.bptfittings.com







QUALITY. SERVICE. SELECTION.



Whatever your conduit challenge, we're flexible.

For over 60 years, Electri-Flex has provided top-quality conduit solutions. We offer nearly 50 types of Liquatite® conduit to withstand extreme environments, confined areas, electronic interference and other challenges. Customers recognize our conduit for its superior crush strength, achieved by building in more convolutions per foot. Our expertise also extends to R&D, quality control, shipping and customer service. Electri-Flex has been a family-owned business for three generations.

Contact us today, and discover excellence around every bend.

electri-flex



222 West Central Avenue Roselle, IL 60172-1994 USA

Toll-free phone (U.S.): (800) 323-6174 Phone: (630) 529-2920 Fax: (630) 529-0482

www.electriflex.com

Markets

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The H-Block Rooftop Support Systems are pre-assembled for easy installation, and suitable for most types of roofing material or other flat surfaces. The H-Block is ergonomically designed for easy handling and installation and made from 100% recycled rubber.

- Made from 100% post-consumer products
- UV Resistant
- Dampens vibrations
- Compatible with most rooftop materials
- Resistant to freeze and thaw (ASTM D1171 Modified)

SUPPORT SYSTEMS

Patented Design

- Corners coated with high visibility ANSI Orange #2535.1-1998
- LEEDS Certifiable
- Meets the Buy American Act
- American Reinvestment Recovery Act (A.R.R.A.) compliant
- ASTM D575 Method B-Modified Compression/Deflection Testing

Base Model	Height	Width	Base Length	Weight (Lbs)	Uniform Load Capacity	Saftey Factor
H-Block Standard	4" (101mm)	5" (127mm)	10 7/8" (276mm)	4.8	2,500	2.0
H-Block Mini	4" (101mm)	5" (127mm)	6 5/8" (168mm)	2.5	400	2.0
H-Block Mega	4" (101mm)	12" (305mm)	12" (305mm)	14.8	7,500	2.0

APPLICATIONS

Pipe & Conduit
Duct Work
HVAC Systems
Cable Tray Systems
Roof Walkways
Solar Racking
Single Pipe

FINISHES

Hot Dipped Galvanized.......ASTM A-123

Zinc Trivalent Chromium......ASTM B-633-85

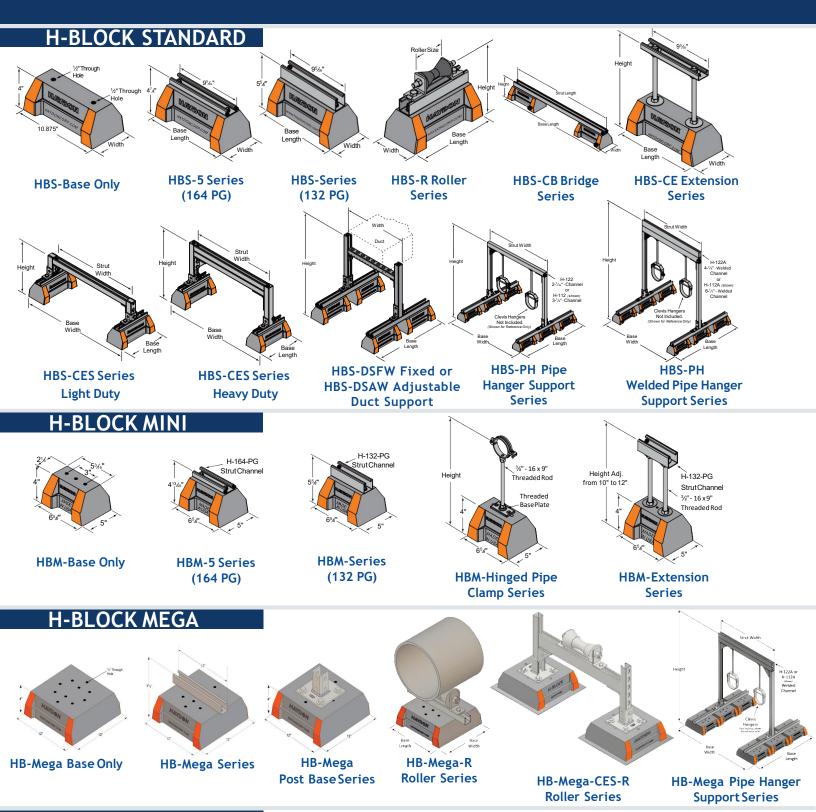
Powder Coated Supr-Green.....ASTM B-117

PVC Coating 40 ML Thickness.....Available on Request









H-PAD SLIP SHEET



All Slip Sheet are 60 mil in thickness.
*Recommended to be used with HBS-PH Pipe Hanger Series. Rooftop support and hardware sold separately

FOR MORE INFORMATION CONTACT:

1-800-242-4366 HAYDONCORP.COM SALES@HAYDONCORP.COM



SOLAR SOLUTIONS

HellermannTyton provides the SOLAR ADVANTAGE with innovative solutions to enhance productivity and help pass inspections.

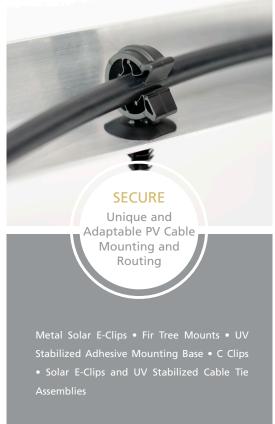
With specialized fastening and labeling solutions and industry code compliance leadership, HellermannTyton is an ideal partner for solar engineering, procurement and construction (EPC) firms; installers; electrical contractors and OEM rack manufacturers, large and small. Only HellermannTyton provides the Solar Advantage - Solar Ties, Solar E-Clips and Solar Identification products – smart, innovative solutions for the solar photovoltaic (PV) market.



AND INSTALLERS

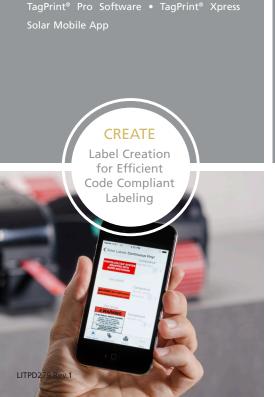
CLIMATE AND CONDITION







MOUNT AND ROUTE CABLE ALONG THE RACK WITH SOLAR E-CLIPS PROTECT PV CABLE THROUGHOUT THE HOME RUN WITH HELAGUARD NON METALLIC CONDUITS CREATE VARIABLE VOLTAGE LABELS FOR THE BREAKER WITH TAGPRINT® XPRESS SOLAR









(323) 726-0888 | (800) 423-4366 | www.mgmtransformer.com

MGM Solar Duty Transformers

Solar power generation has been one of the most rapidly growing renewable sources of energy. It has several advantages over other forms of electricity generation including:

- Reduced dependence on Fossil Fuels
- Limited impact on the environment as compared to other forms of electricity production
- Matched peak time output with peak time demand (e.g., summer)
- Modularity and Scalability

At MGM we've created a line of products specifically designed for the Solar Industry. These units are customized for situations where voltage adjustments are required between the solar generation system, end user, and the utility service provider. As such, they are designed for bidirectional use to allow power to flow to or from the electrical grid.



Standard Features:

- 15 to 1500 KVA
- 3 Phase
- 150°C temp rise
- Bi-Directional
- DOE 2016 Efficiency Compliant
- UL Listed & CSA Certified
- Type 3R Enclosure

Optional Features:

- K Factor Rated
- 115°C and 80°C temp rise
- Energy Efficient (25-50% less energy waste than DOE)

S S S





Moltec's Flexible Plug & Play Solution



SOLAR TO CONNECT





Moltec's Flexible Plug & Play Solution



Advantages for the Installer

- Plug & play layout design
- Simple time saving installation
- Pre-engineered, pre-fabricated, pre-tested
- No hand wiring required
- No wasted or scrap materials
- Installation instructions provided
- Factory installation support

Conduit's Features

- · Highly flexible non-metallic conduit
- Very low smoke and toxic gas generation
- Self-extinguishing, free from halogens & cadmium
- Continuous operating temperature: -40°c(-40°f)to 105°c(221°f)
- Sizes range from: 16 mm(3/8") to 50 mm (1-1/2")
 - Extremely high compression strength
 - Excellent UV resistance
 - Rodent resistant

Specific Fittings

- Protection degree IP66 / IP68 / IP69k
 - Metric, NPT and PG, metal and plastic threads
 - Compatible with most widely used PV panel connectors
 - Available with strain relief elements
 - · Custom fittings and assemblies available
 - Design and manufacturing capabilities for specialty fittings





Moltec's Flexible Plug & Play Solution

EZ Connect Solar Array Interconnect System was developed through direct efforts with developers and installation contractors. The EZ Connect system substantially reduces the high costs of materials installation associated with hand assembly and routing of wiring of multiple strings of multi-panel arrays to the combiner boxes. Certified labour is not required.

EZ Connect is designed and manufactured by Moltec using its specialized wire protection products, providing flexible, durable and watertight construction with high resistance to UV exposure and damage from rodents. The system utilizes industry standard solar cable connectors for interconnection to the mating input/output cable connectors from each multi panel string.

There is no limit to the size and configuration of EZ Connect as each system is designed to meet the exact layout for any project, utilizing the system's standard components and materials.

The pre-engineered EZ Connect solution is simply laid out along the entire length of each row of panels and is quickly and simply mounted using only hand tools to secure the provided brackets. The brackets are available for any number of frame or flat surface configurations commonly used in array support structures. Once mounted, the input and output connectors of the EZ Connect are mated to the string connectors and the job is done.

The EZ Connect design produces a very clean and trim installation,

providing time savings of as much as 80% when compared to traditional "Build-in-Place" methods. With the Moltec system, the procurement of a large list of materials, handling and processing of wire, installation of



SOLAR Z CONNECT





fittings, and mounting with a number of various brackets and related hardware is not necessary.

EZ Connect Solar Array Interconnect System is constructed with CUL us Listed, Recognized & Certified electrical components. Every system is electrically and mechanically tested in the company's ISO 9001/2008 certified factory to assure the highest level of quality, installation success, and operational performance available. Wiring errors in the field and the high cost of associated rework and project start-up delays are virtually eliminated.





Moltec's Flexible Plug & Play Solution

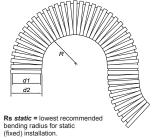
Very Flexible, Medium Duty Conduit

- · High-grade, specially formulated polyamide 6
- Rodent resistant
- · Halogens and cadmium free
- · Good weather and UV resistance
- Good mechanical strength (compression / impact)
- Self-extinguishing
- · Good temperature resistance
- Temperature range: -40°C(-40°F) to 105°C(221°F)
- Short-term to 160°C(320°F)

Conduit Size	Trade Size		d	11	d	2	Rs s	static	PU		
NW	mm	in	mm	in	mm	in	mm	in	m	ft	
12	16	3/8	12.0	0.47	15.8	0.62	30.0	1.18	50	164.0	
17	20	1/2	16.2	0.64	21.2	0.83	40.0	1.57	50	164.0	
23	25	3/4	22.6	0.89	28.5	1.12	45.0	1.77	50	164.0	
29	32	1	29.0	1.14	34.5	1.36	55.0	2.17	50	164.0	
36	40	1-1/4	36.5	1.44	42.5	1.67	60.0	2.36	30	98.4	
48	50	1-1/2	48.5	1.91	54.5	2.15	70.0	2.76	30	98.4	







T type Connectors

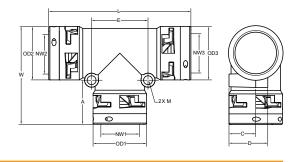








- Locking device system provides a quick and secure push-in connection of corrugated conduits
- High-grade formulated polyamide
- Rodent resistant
- · Self-extinguishing, free from halogens and cadmium
- · Excellent impact strength
- Temperature range: -40°C(-40°F) to 105°C(221°F)



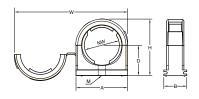
Fits to Conduit	Α		С		D		E		w		L		М	OD1 / OD	2 / OD3
NW1-NW2-NW3	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	mm	in
12 - 12 - 12	27.0	1.06	12.0	0.47	18	0.71	26.0	1.02	51.7	2.03	79.3	3.12	4	24.0	0.94
17 - 17 - 17	28.0	1.10	15.0	0.59	22	0.87	32.0	1.26	58.4	2.30	86.7	3.41	5	30.0	1.18
23 - 23 - 23	36.0	1.42	19.0	0.75	26	1.02	40.0	1.57	75.0	3.97	112.0	4.41	6	38.0	1.50
29 - 29 - 29	37.5	1.48	22.8	0.90	33	1.30	48.0	1.89	83.3	3.28	121.0	4.76	6	45.5	1.79
36 - 36 - 36	44.5	1.75	28.5	1.12	38	1.50	58.0	2.28	100.8	3.97	144.5	5.69	6	57.0	2.24
48 - 48 - 48	52.0	2.05	34.0	1.34	47	1.85	70.0	2.76	118.8	4.68	169.5	6.67	6	68.0	2.68

One-piece System Support

- · High-grade formulated polyamide
- \bullet Self-extinguishing, free from halogens and cadmium
- Rodent resistant

- · Excellent impact strength
- Temperature range: -40°C(-40°F) to 105°C(221°F)
- · One-piece tube clamp with integrated safety clip

Fits	to Co	nduit		4	E	3	[)	H	1	W	M	
NW	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
12	16	3/8	24.0	0.94	20.0	0.79	16.4	0.65	28.6	1.13	54.0	2.13	5.0
17	20	1/2	30.0	1.18	20.0	0.79	19.7	0.78	34.9	1.37	68.0	2.68	6.0
23	25	3/4	38.0	1.50	20.0	0.79	23.3	0.92	42.5	1.67	84.0	3.31	6.0
29	32	1	45.0	1.77	20.0	0.79	26.4	1.04	49.0	1.93	98.0	3.86	6.0
36	40	1-1/4	55.0	2.17	20.0	0.79	30.2	1.19	58.0	2.28	118.0	4.65	6.0
48	50	1-1/2	67.5	2.66	20.0	0.79	36.3	1.43	70.3	2.77	143.0	5.63	6.0









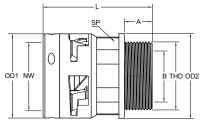




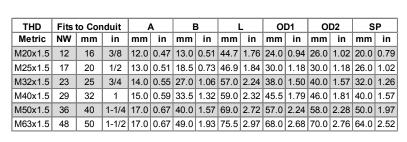
Moltec's Flexible Plug & Play Solution

Straight Fittings

- . Locking device system provides a quick and secure push-in connection of corrugated conduits
- · High-grade formulated polyamide
- · Rodent resistant
- · Self-extinguishing, free from halogens and cadmium
- Excellent impact strength
- Temperature range: -40°C(-40°F) to 105°C(221°F)



		SF	A		RoHS 2002/95/EC	(SP	c UL us	
NW	0			B THD OD2	2002/95/EC	c us	LISTED	





Conduit Reducers

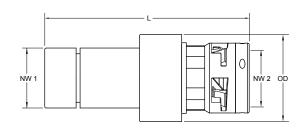






Fits to 0	Conduit	L		OD			
NW 1	NW 2	mm	in	mm	in		
17	12	77.5	3.05	30.0	1.18		
23	12	87.5	3.44	38.0	1.50		
23	17	89.0	3.50	38.0	1.50		
29	12	89.5	3.52	45.5	1.79		
29	17	91.0	3.58	45.5	1.79		
29	23	100.0	3.94	45.5	1.79		
36	29	110.0	4.33	57.0	2.24		
48	36	126.5	4.98	68.0	2.68		

- . Locking device system provides a quick and secure push-in connection of corrugated conduits
- · High-grade formulated polyamide
- · Rodent resistant
- · Self-extinguishing, free from halogens and cadmium
- · Excellent impact strength
- Temperature range: -40°C(-40°F) to 105°C(221°F)









Moltec's Flexible Plug & Play Solution







Moltec's Flexible Plug & Play Solution









Highly efficient lighting interconnect systems for today's wind turbine towers

Since 2006, Moltec International has designed and manufactured modular wind power lighting and electrical utility services for wind turbine tower and nacelle applications throughout North America and abroad. Our fully interconnected systems were the industry's first pre-engineered, pre-assembled, and pre-tested solutions ready to install out of the box as a plug and play system. This innovation eliminated the need for skilled electrical labor and tools significantly reducing installation time and costs.

Our commitment to providing customers with innovative and industry-leading solutions has led to the evolution of our system. Introducing our most efficient and cost-effective system ever - Quik-Fit 3.0 with unprecedented advances in plug and play interconnecting tower lighting and electrical services.

A Truly Modular System

The simplicity and ease of installation of the Quik-Fit 3.0 system is attributable to the modular design which incorporates a specialized connector utilized on all trunk-lines, interconnects, and devices. These connectors are constructed with a non-metallic watertight design and feature a keyed push-in termination with anti-back off and vibration-proof connection. Consistent with our earlier designs, installation of Quik-Fit 3.0 is achieved without specialized and costly skilled labor, in-field wiring or tools. The connectors are mated in seconds with a simple and effortless push in action. The bayonet-style locking element makes an audible 'click' sound as the connectors are mated indicating a secure termination. Simple to follow instructions are included and available in several languages.





Quality Construction

The trunk lines are constructed of non-metallic, corrugated nylon conduit offering a rugged yet very flexible construction. Its materials exceed agency requirements for smoke, flame, and toxicity ratings, operating down to -40°C [-40°F]. The Quik-Fit 3.0 trunk lines can also be constructed with common TC rated, jacketed multi-conductor cables. Electrical materials and components used in the construction of the Quik-Fit 3.0 systems are UL Listed or Recognized and/or CSA/US Certified, and some instances are CE Certified. Engineering and fabrication are completed in Moltec's ISO 9001-2015 facility with strict adherence to its Total Quality Management Certification, assuring consistent long-term quality and performance.

Simple Design Layouts

The Quik-Fit 3.0 system makes design layout very simple. In-line, "T" and "X" trunk-lines are available in virtually any length and allow for placement of Moltec light fixtures, power utility boxes, switches, and power input assemblies wherever the tower or nacelle layout requires. Just place the lights and other devices to be interconnected into your elevation drawing, calculate the distance between, then specify the trunk line interconnect harness lengths for each circuit. Next, calculate the distance from the trunk line 'T' or "X" interconnect to the devices in a branched system, or from device to device in an inline system design.

Finally, simply specify the trunk-line interconnect harness lengths and you're done.

Additionally, Moltec offers engineering and design-in support services and can develop your entire layout for you in 3-D modeling formats.

Simple to Buy and Easy to Handle

Tower fabricators can choose to have the modular components kitted by tower section which makes purchasing, material handling, and of course the installation much faster. When the towers arrive at the construction site even more savings will be realized as installation technicians need only make one fast and simple push-in connection between tower sections. Power outlets and lighting can operate in minutes reducing the tower construction process.



The Quik-Fit 3.0 Advantage:

- Pre-engineered system fits first time... every time
- Pre-assembled components provide consistent results
- Pre-tested in the Moltec factory, field test kits provided
- Modular, plug and play Installation no hand wiring or special tools required
- No skilled labor or hand wiring required for Installation
- Extremely low labor content



Traditional Build on Site Disadvantage:

- Extensive Bill of Materials item purchasing
- High material handling & logistics costs
- Multiple vendor management
- Substantial man-hour content using higher cost skilled labor
- Hand wiring of all lights and devices in various environments.
- Material waste, troubleshooting, re-work, and inconsistent results
- Minimal material handling & logistics with kits
- Proven lower installed cost vs. traditional hand wired systems





Summary:

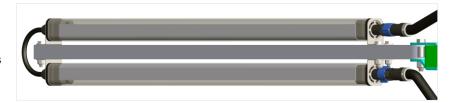
Quik Fit 3.0 is your solution to reducing high cost and time-consuming tower lighting and electrical utility interconnecting. Installers are no longer required to cut and strip cables and wires to complete the hand wiring of devices such as light fixtures and/or outlet boxes. Quik-Fit 3.0 systems provided in a kitted format will save significant time, reducing the installed cost of any tower lighting system while providing consistent quality and long-term dependability. In fact, Quik-Fit 3.0 carries a limited Five-Year Warranty to assure that the customer is confident in its selection of the system.

If reduced costs and high-quality dependability are important to you, Quik-Fit 3.0 is your only choice. Backed by years of industry experience and success with plug and play interconnect and lighting systems, Moltec Windpower Products stands ready to be of service. Give us a call or send us an email and we'll arrange to have an in-depth discussion with you so you can modernize and reduce the installed cost of your tower lighting and electrical utility systems.

LED Lighting Products:

Moltec offers a new range of modern and very cost-effective LED Light Fixtures that can be interconnected with its Quik-Fit 3.0 Interconnect Systems. Check out these purpose-built light fixtures in our web site. Ask us about these fixtures for even more installed cost savings for your tower lighting needs.

- Exclusive Sabre LED Light Fixtures
- Common Shop Type LED Light Fixtures
- **UFO LED Long Reach Tower Light Fixtures**
- OEM Specific LED Light Fixtures
- Custom LED Light Fixtures





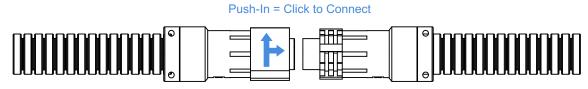
Technical Specifications:

Part Number	Description	Number of contacts	Contact Type	Wire Gauge
QF3CONN-F-2	QF3 2P Female connector	2	pin	12aw g - 16aw g
QF3CONN-M-2	QF3 2S Male connector	2	socket	12aw g - 16aw g
QF3CONN-F-3	QF3 3P Female connector	3	pin	12aw g - 16aw g
QF3CONN-M-3	QF3 3S Male connector	3	socket	12aw g - 16aw g
QF3CONN-F-4	QF3 4P Female connector	4	pin	12aw g - 16aw g
QF3CONN-M-4	QF3 4S Male connector	4	socket	12aw g - 16aw g

Туре	Rating	Description
Ingress Protection	IP66	QF3 system: designed to provide an ingress protection rating of IP66 (Nema 4X) ensuring protection against dust penetration and low-pressure water jets
	IP67	QF3 connectors: designed to be water-tight and are rated up to IP67
Fire Rating	UL94-V0	QF3 connectors: carry UL94-V0 rating The UL94 standard determines the material's tendency to either extinguish or spread the flame once the specimen has been ignited. The classification V0 states that burning stops within 10 seconds on a vertical specimen; drips of particles allowed as long as they are not inflamed
0 (0)	004	
Current Rating	20A	QF3 system: designed to carry a maximum current of 20A
Voltage Rating	300V	QF3 system: designed to operate on a maximum voltage of 300V
Withstanding Voltage	1500V	QF3 connectors: can withstand voltage up to 1500V for a short duration of time before malfunctioning
Wise Oise	16awg to 12awg	QF3 can carry various conductor sizes up to a maximum of 12awg
Wire Size		The appropriate conductor size is dependent on the total current draw by system devices
Temperature Range	-40°C to 105°C	Normal operating temperature range of the system
	2 Contacts	QF3 connectors with 2 conductors (pin/socket) available for lighting devices with no grounding
Contacts	3 Contacts	QF3 connectors with 3 conductors (pin/socket) available for lighting devices with grounding
	4 Contacts	 QF3 connectors with 4 conductors (pin/socket) available for lighting devices with grounding and emergency backup
Locking System	Push-in locking	— QF3 connectors: feature a push-in locking mechanism which emits an audible 'click' and tactile feedback to indicate a secure connection
		Disconnection is achieved with a simple quarter turn and pulling motion

Mating Connection:





Twist + Disengage to Disconnect



OUR GOAL:

Save You Time and Money in the Field!

Priority Wire & Cable helps contractors to be as efficient as possible in the field. That means reduced labor, reduced time to install, on-time commissioning. If your cable supplier is costing you money with late deliveries, inaccurate shipments, poor communication or defective product you need a new supplier. Priority will solve these problems and eliminate unexpected costs.











Aluminum PV Cable 1K/2KV 90°C Wet/105°C Dry

Application: PV Cables are suitable for use in solar power, Type UL 4703 PV, Type USE-2 and Type RHW-2

applications, which require superior resistance to flame and extreme temperatures. PV Cables are suitable for direct burial applications. PV Cables are to be used up to 90°C temperatures in wet

locations and up to 105°C in dry locations.

Construction: A stranded soft drawn bare 8000 Series Aluminum conductor, per ASTM.

Insulation: Cross-linked polyethylene XLP insulation, which is gas/oil and sunlight resistant. Standard colors

are black, white, red 8 awg - 1000 MCM and green in size 4awg-1/0. Other colors or stripes are

available upon request.

Standards: UL listed as Photovoltaic Cable per Standard Subject 4703, 44 & 854

VW-1 flame test

UL 1581

CSA Listed RPV490 under CSA C22.2 No. 271

Sunlight Resistant Direct Burial RoHS compliant

Value Parallels, triplex, circuit cuts, custom labeling **Solutions:** "Just in Time" shipping per installation schedule

24/7/365 service

Fast delivery from largest inventory in USA

600V & 1KV/2KV Copper PV Cable

Application: For use in interconnection wiring of grounded and ungrounded photovoltaic power systems.

Construction: Stranded copper conductors. Cross-linked polyethylene (XLPE) insulation.Standards: UL listed PV wire under UL44, UL 1581 and UL4703 Photovoltaic Wires

-40°C to 90°C wet or dry VW-1 rated per UL1581 Sunlight Resistant Direct Burial

Aluminum Conductor 35KV MV90 – Concentric Neutral

Application: Aluminum Conductor 35KV cable is primary used for underground distribution, in direct burial

or installed in conduit. 35KV cable is suitable for use in wet or dry locations. Cable is to be

used at 35,000 volts or less and not to exceed 90°C temperature in normal use.

Construction: A solid or compressed concentric strand soft drawn 1350 series aluminum conductor per ASTM.

Conductor An extruded thermoset semiconducting shield, which is free stripping from the conductor and

bonded to the insulation.

Insulation: Naturally high dielectric strength TR-XLPE insulation. There is also extruded thermoset

semiconducting insulation shield. Optional EPR insulation is available upon request.

Metallic A concentric neutral shield consisting of solid bare copper wires helically applied and uniformly

Shield: spaced over the insulation shield.

Jacket: A black jacket of linear low density polyethylene (LLDPE), which is sunlight, abrasion and heat

resistant. The jacket has 3 red stripes, the NEC lightning bolt and sequential footage markings.

Standards: ASTM B-3, B-8, B230, B-231, B-609

ANSI/ICEA S-94-649

AEIC CS-8
RUS ACCEPTED

For 90°C continuous, 130°C emergency and 250°C short-circuit operation

UL MV90

Aluminum Single Conductor 15KV & 35KV MV-105 EPR/PVC Copper Tape Shield

Application: Shielded MV-105 cable is primarily used for power circuits in commercial, industrial, refinery

and petro-chemical plants; utility power generation and substations. The cable can be installed in wet or dry applications in cable tray sizes 1/0 & larger, duct, open air and direct burial. The cable

is approved for temperature up to 105°C.

Construction: Class B Compact concentric strand soft drawn annealed aluminum per ASTM.

Conductor Extruded thermosetting semiconducting shield which is free stripping from the conductor

Shield: and bonded to the insulation.

Insulation: Natural high dielectric strength EPR-based insulation, combined with other materials and agents

that enhance the electrical and mechanical characteristics assuring extended cable life.

Insulation Extruded thermosetting semiconducting shield with controlled adhesion to the insulation providing

Shield: the required balance between electrical integrity and ease of stripping.

Metallic Helically applied non-magnetic copper tape(s) over the insulation shield with a minimum

Shield: overlap of 25%.

Jacket: Black sunlight resistant, non-migrating, polyvinyl chloride (PVC) jacket applied over the copper tape.

Standards: AEIC CS8

ICEA S-93-639 ICEA S-97-682 UL 1072

IEEE 383 Flame Test IEEE 1202 Flame Test

Tray Cable UL Type TC / TC-ER – 600V THHN/THWN-2 Insulation – with Ground – PVC Jacket

Application: General purpose multi-conductor 600V power cables used for primary power/feeder circuits.

For installation in cable trays in accordance with Article 336. Cable is approved for use in raceways, supported by messenger wire in open air, for direct burial applications, in Class I & II division 2 hazardous locations and for Class 1 circuits as permitted in Article 725.11(b). May be installed in

both wet and dry locations or in areas exposed to chemicals and oils.

Construction: Soft bare annealed copper per ASTM B-3, Class B stranding per ASTM B-8.

Insulation: Heat and moisture resistant Polyvinylchloride (PVC) per UL 62. Clear Polyamide (Nylon) jacket

per UL 62. Insulation meets requirements of Type THHN/THWN-2 as specified by UL83.

The insulation is flame retardant and is rated for use at 90°C wet or dry.

Ground: Soft bare annealed copper per ASTM B-3, Class B stranding per ASTM B-8.

Color Code: ICEA Method M4 (black and numbered).

Assembly: Conductors and ground are cabled together with or without fillers as required to form a round,

compact cable core and with a binder tape.

Flame Test: IEEE 383 70,000 BTU vertical tray flame test





Priority Solar Projects Across the US



Priority Capabilities:

Cut to length

Paralleling

Triplexing

CIC (Cable in Conduit)

Armoring

Striping

Splice Kits (MV Cable)

Termination Kits (MV Cable)

Pulling Eyes

Custom Labels

Kitting

Same Day Shipping

24 Hour Emergency Hotline

Premier Supplier of Wire & Cable

Aluminum Building Wire

Portable Cord **Extension Cords**

Fire Alarm

Belden® Equals

Ground Rods

THHN Colors

Range & Dryer

Welding Cable

Bare Copper **Utility Aluminum**

MC Cable Tray Cable

PV Cable

Medium Voltage

Coax, Cat 5e & 6

Thermostat Wire

Flexible Conduit







SOLAR LIQUIDTIGHT **CORD GRIPS**



(JL)

UL File #E51579



Recognized under the UL Component Program File #E51579 to both US & Canadian requirements



Certified by the Canadian Standards Association File #93876

HELIO-SEAL™ SOLAR LIQUIDTIGHT CORD GRIPS

Remke Helio-Seal Liquidtight Cord Grips can be used for solar rooftop installations in place of, or in conjunction with rooftop combiner boxes for faster connector and lower installed cost. Designed for use with 12 and 10 AWG USE-2 or 12 and 10 AWG 1000V PV wire, these cord grips provide a watertight seal for PV module output leads to inverters and are easily threaded into an adapter that allows them to be attached directly to rigid (PVC) or EMT-type conduit.

Helio-Seal Cord Grips feature skinned-over glands (a thin Santoprene membrane-gland covering) that allows the user to choose from 1 to 13 wires by simply piercing the wire through the number of dimples on the membrane. Regardless of how many wires the user chooses to use, the gland around the wires will retain a liquid tight seal. These cord grips also feature an Integral Sealing Ring that provides a superior seal at the clearance or threaded mounting hole location.

The design of the Helio-Seal cord grips also features generous wrenching flats that allow for ease of assembly & require no disassembly for installation. Available in 3/8" to 2" NPT, these cord grips are constructed of UV resistant nylon with a TPE sealing gland to resist salt water, weak acids, gasoline, alcohol, oil, grease and common solvents.

1.30 HEX. (33,0mm)	
Ø.215 (5)— (5,5mm)	2.00 REF. (50,8mm) (6,3mm)
	. 85 (21,6mm)

CONDUCTORS				A - CLEARANCE HOLE DIA.		B - MAX O.A. LENGTH		C - THREAD LENGTH		WRENCHING D - THICKNESS		NUT E - FLAT SIZE		
Size (mm)	Wire Type	No. of Holes	Catalog Number	NPT	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
5.5	USE-2	5	RHG-206	3/4	1.040	26.4	2.00	50.8	0.62	15.7	0.25	6.4	1.30	33.0
		9	RHG-306	1	1.326	33.8	2.41	61.2	0.76	19.3	0.30	7.6	1.73	43.9
		13	RHG-406	1 1/4	1.680	42.7	2.69	68.3	0.78	19.8	0.30	7.6	2.05	52.1
		21	RHG-506	1 1/2	1.920	48.8	2.81	71.3	0.76	19.3	0.36	9.1	2.48	63.0
		31	RHG-606	2	2.400	60.8	2.93	74.3	0.79	20.1	0.42	10.7	2.75	69.9
5.6	USE-2	3	RHG-106	LL 1/2	0.875	22.2	1.68	42.7	0.44	11.2	0.25	6.4	1.06	27.0
7.7	PV 1000 OR USE-2**	3	RHG-207	3/4	1.040	26.4	2.00	50.8	0.62	15.7	0.25	6.4	1.30	33.0
		5	RHG-307	1	1.326	33.8	2.41	61.2	0.76	19.3	0.30	7.6	1.73	43.9
		9	RHG-407	1 1/4	1.680	42.7	2.69	68.3	0.78	19.8	0.30	7.6	2.05	52.1
		11	RHG-507	1 1/2	1.920	48.8	2.81	71.3	0.76	19.3	0.36	9.1	2.48	63.0
		19	RHG-607	2	2.400	60.8	2.93	74.3	0.79	20.1	0.42	10.7	2.75	69.9
8.9	PV 1000	7	RHG-408	1 1/4	1.680	42.7	2.69	68.3	0.78	19.8	0.30	7.6	2.05	52.1
		9	RHG-508	1 1/2	1.920	48.8	2.81	71.3	0.76	19.3	0.36	9.1	2.48	63.0
		12	RHG-608	2	2.400	60.8	2.93	74.3	0.79	20.1	0.42	10.7	2.75	69.9







