Table of Contents

LINKOSITY®
Power Components

MotorQuick®
Disconnect Switches

DRUB and PANEL-SAFE®

LINKOSITY®

Cables and Receptacles - Power Components

Device Type	Ratings	Wires	Conductor Colors**	Length (FT)
PH = Double Ended Cable with Male/Female Straight **PM** = Male Single Ended Straight **PN** = Male Single Ended 90° **PF** = Female Single Ended Straight **PG** = Female Single Ended 90° **PQ** = Double Ended Cable with Female 90° **PR** = Double Ended Cable with Male 90° **PS** = Double Ended Cable with (2) 90° Connectors **RF** = Female Receptacle* **RM** = Male Receptacle (Inlet)*	**20** = 20A up to 600V	**02** **03** **04** **05**	**PA** = Green/Yellow Black (all others) **PB** = Green/Yellow White Black (all others) **PE** = All Blue***	**001** = 1' **005** = 5' **010** = 10' **015** = 15' **020** = 20' **025** = 25' **030** = 30' **035** = 35' **040** = 40' **045** = 45' **050** = 50'
	23 = 20A up to 600V Specialty construction (Includes isolated ground on 6 wire and #10 AWG super neutral conductor on 5 and 6 wire devices, PB color code only)	**03** **04** **05** **06**		
	30 = 30A up to 600V	**04**		
Example: PH	**23**	**06**	**PB**	**005**

Note: *½" NPT rear thread.
**Other color codes available upon request.
***Two wire only.

Configurations (Male face view shown, female view is opposite)

20 AMP	
20A SNIG (with super neutral and IG)	
30 AMP	

Tees

TX2304002304T00

Description	Catalog Number
LINKOSITY® M/F/F Tee, 20A, 2P	**TX2002002002T00**
LINKOSITY® M/F/F Tee, 20A, 3P	**TX2003002003T00**
LINKOSITY® M/F/F Tee, 20A, 4P	**TX2004002004T00**
LINKOSITY® M/F/F Tee, 20A, 5P	**TX2005002005T00**
LINKOSITY® M/F/F Tee, 20A SNIG, 4P	**TX2304002304T00**
LINKOSITY® M/F/F Tee, 20A SNIG, 6P	**TX2306002306T00**
LINKOSITY® M/F/F Tee, 20A SNIG, A Phase Tap	**TX2306002304A00**
LINKOSITY® M/F/F Tee, 20A SNIG, B Phase Tap	**TX2306002304B00**
LINKOSITY® M/F/F Tee, 20A SNIG, C Phase Tap	**TX2306002304C00**
LINKOSITY® M/F/F Tee, 30A, 4P	**TX3004003004T00**

Closure Caps

CCMBC

Description	For use with	
	Female Receptacle	Male Inlet
20A and 30A Receptacle Closure Cap	**CCMBC**	**CCFBC**

LINK·SITY®

Cables and Receptacles - Control Integration Components

Device Type	Ratings	Wires	Conductor Colors**	Length (FT)
PH = Double Ended Cable with Male/Female Straight PM = Male Single Ended Straight PN = Male Single Ended 90° PF = Female Single Ended Straight PG = Female Single Ended 90° PQ = Double Ended Cable with Female 90° PR = Double Ended Cable with Male 90° PS = Double Ended Cable with (2) 90° Connectors RF = Female Receptacle* RM = Male Receptacle (Inlet)*	**03** = 3A - 2W, 3W 3A - 4W up to 300V	**02** **03** **04**	**PA** = Green/Yellow Black (all others) **PB** = Green/Yellow White Black (all others) **PE** = All Blue***	**001** = 1' **005** = 5' **010** = 10' **015** = 15' **020** = 20' **025** = 25' **030** = 30' **035** = 35' **040** = 40' **045** = 45' **050** = 50'
	R3 = 3A - 2W, 3W 3A - 4W up to 300V	**02** **03** **04**		
	10 = 10A - 2W, 3W 10A - 4W 10A - 5W, 6W, 7W 10A - 8W, 9W 7A - 10W, 12W up to 600V	**02** **03** **04** **05** **06** **07** **08** **09** **10** **12**		

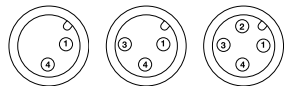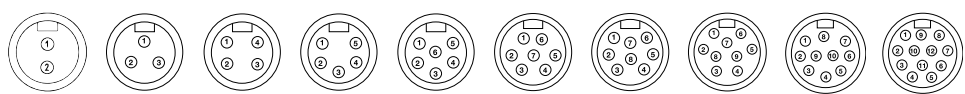| *Example: PH*	*10*	*06*	*PB*	*005*

*Note: *½" NPT rear thread.*
*   **Other color codes available upon request.*
*   ***Two wire only.*

Configurations (Male face view shown, female view is opposite)

03		Typically used for inputs in DC control circuits
R3*		Typically used for outputs in DC control circuits
10		

*Note: *Reverse key.*

Splitters/Tees

Description	Catalog Number
LINKOSITY® M/F/F Splitter, 3A/4W	**TX0304000304T00**
LINKOSITY® M/F/F Tee, 10A, 2 Pole	**TX1002001002T00**
LINKOSITY® M/F/F Tee, 10A, 3 Pole	**TX1003001003T00**
LINKOSITY® M/F/F Tee, 10A, 4 Pole	**TX1004001004T00**
LINKOSITY® M/F/F Tee, 10A, 5 Pole	**TX1005001005T00**
LINKOSITY® M/F/F Tee, 10A, 6 Pole	**TX1006001006T00**

TX1004001004T00

Closure Caps

Description	For use with Female Receptacle	Male Inlet
3A Closure Cap	**CCM1C**	**CCF1C**
10A Closure Cap, 2, 3, 4, 4, 5 and 6 Pole	**CCMAC**	**CCFAC**
10A Closure Cap, 7 and 8 Pole	**CCMBC**	**CCFBC**
10A Closure Cap, 9, 10, 12 Pole	**CCMCC**	**CCFCC**

CCFAC

LINKOSITY®

Power System Distribution Assemblies

- Available with up to 5 receptacles, wide variety of NEMA 5-20 receptacle grades
- Power pass thru option
- 16 gauge sheet metal enclosure ANSI 61 gray powder coat NEMA 1
- Device identification marking
- Versatile mounting provision
- Local or master switch
- LINKOSITY® connection

Note: Accepts PH2304 series cables.

MSL3L1IGP

Straight Blade - UL Type 1

Device Type	Switch Types	# Receps	Receptacle Type	Receptacle Feature	Pass-thru	Custom Configurations*
M	**SL** = Switch Local **SM** = Switch Master **00** = No Switch	1 2 3 4 5	**SG** = Spec Grade **HG** = Hospital Grade **CR** = Corrosion Resistant	**IG** = Isolated Ground **GF** = Ground Fault **SS** = Surge Suppression **00** = Standard	**P** = Pass-thru** **0** = No Pass-thru	**D** = 2 Circuit **A** = A Phase **B** = B Phase **C** = C Phase
Example: M	**SL**	**1**	**SG**	**00**	**P**	

Twist-Lock® - UL Type 1

Device Type	Switch Types	# Receps	Receptacle Type	Receptacle Feature	Pass-thru	Custom Configurations*
M	**SL** = Switch Local **SM** = Switch Master **00** = No Switch	1 2 3 4 5	**L1** = 15A **L2** = 20A	**IG** = Isolated Ground **00** = Standard	**P** = Pass-thru **0** = No Pass-thru	**6** = 250V
Example: M	**00**	**3**	**L1**	**IG**	**0**	

Note: Local switches control all receptacles in a box. Master switches control local and downstream receptacles. Consult factory for alternate wiring schemes.
  *Consult factory for wiring specifications and connecting cables.
  **Pass-thru on phase tap boxes are 3Ø.

Switch Only (ON/OFF) - UL Type 1

Device Type	Switch Types	Switch Style	Poles
S	**1** = 1 Gang **2** = 2 Gang **3** = 3 Gang	**2W** = ON/OFF	**1P** = Single Pole **DP** = Two Pole
Example: S	**1**	**2W**	**1P**

Switch Only (4-Way) - UL Type 1

Device Type	Switch Types	Switch Style
S	**1** = 1 Gang	**4W** = 4 Way
Example: S	**1**	**4W**

Switch Only (3-Way) - UL Type 1

Device Type	Switch Types	Switch Style	Position
S	**1** = 1 Gang	**3W** = 3 Way	**M** = Main **R** = Remote **LM** = Line to Main **LR** = Load to Remote
Example: S	**1**	**3W**	**M**

Note: For use with Px2304PBxxx series cables.

Features

Receptacle Types		CR	HG	SG	L1
00	Standard	**HBL53CM62**	**HBL8300GY**	5362G	**HBL4700**
IG	Isolated Ground	–	–	CR5352IGGY	**IG4700A**
GF	Ground Fault	–	GFRST83GY	GFRST20GY	–
SS	Surge Suppression	–	HBL8362GYSA	HBL5362GYSA	–
Switch Types		CR	HG	SG	L1
SL	Local ON/OFF	–	–	HBL1221PL	–
SM	Master ON/OFF	–	–	HBL1221PL	–

LINK(O)SITY®

LINKOSITY® UL Type 3R and 4X Rated Assemblies

- Available with switch, ground fault, corrosion resistant or isolated ground receptacles
- Power pass thru option
- UL Type 3R and 4X Rated
- Device identification marking
- Versatile mounting provision
- LINKOSITY® connection

LINKOSITY® Feed - UL Type 3R Rated*

3R Rated Standard Items

Description	Catalog Number
20A 125V Ground Fault	**M3R002SGGF0**
20A 125V Switched, Spec Grade	**M3RSL1SG000**
20A 125V Switched, Ground Fault	**M3RSL1SGGF0**
20A 125V Spec Grade	**M3R002SG000**
20A 125V Ground Fault, Pass-Thru	**M3R002SGGFP**
20A 125V Switched, Spec Grade, Pass-Thru	**M3RSL1SG00P**
20A 125V Switched, Ground Fault, Pass-Thru	**M3RSL1SGGFP**
20A 125V (2) Switches	**M3R2SG000**
20A 125V 1-Gang Ground Fault	**M3R001SGGF0**
20A 125V Corrosion Resistant	**M3R002CR000**
20A 125V Isolated Ground	**M3R002SGIGP**
20A 125V Spec Grade, Pass-Thru	**M3R002SG00P**

*Note: *When cover closed.*

Device Type	Style	Type	No. of Devices	Device Type		Device Feature		Pass-Thru
M	**3R** - 3R Lids **3D** - 3R Deep Cover	**SL** - Switch Local **SM** - Switch Master **00** - None	**1** **2**	**SG** - **HG** - **CR** - **L1** -	Spec Grade Hospital Grade Corrosion Resistant 15A Locking	**IG** - **GF** - **SI** - **SS** - **00** -	Isolated Ground Ground Fault Surge/IG Surge Standard	**P** - Pass-Thru **0** - No Pass-Thru

Replacement Mounting Feet

Description	Catalog Number
For Power Distribution Assemblies.	**HBLRFT1**△

Note: △ Package of 10 mounting feet and 10 screws.

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LINKOSITY®

LINKOSITY® Feed - UL Type 4X Rated**

4X Rated NEMA Standard Items

Description	Catalog Number
20A 125V Straight Blade†	**MLWF2010**
20A 125V WTSSTL	**MLWF2020**
20A 125V Straight Blade, Pass-Thru	**MLWF201P**
20A 125V WTSSTL, Pass-Thru	**MLWF202P**
20A 125/250V WTSSTL, No Pass-Thru	**MLWF2070**
30A 125V WTSSTL, No Pass-Thru	**MLWF1050**
30A 250V WTSSTL, No Pass-Thru	**MLWF1060**
30A 125V WTSSTL, No Pass-Thru	**MLWF2050**
30A 250V WTSSTL, No Pass-Thru	**MLWF2060**

All LINKOSITY® - UL Type 4X Rated•

4X Rated LINKOSITY Standard Items

Description	Catalog Number
20A 3W up to 600V, 4 Port	**M4L2003PB0**
20A 3W up to 600V, 4 Port Pass-Thru	**M4L2003PBP**

Conduit Feed - UL Type 4X Rated**

Conduit Feed Standard Items

Description	Catalog Number
20A 125V Straight Blade	**MCWF2010**
20A 125V WTSSTL	**MCWF2020**
20A 250V WTSSTL	**MCWF2030**
20A 277V WTSSTL	**MCWF2040**
30A 125V WTSSTL	**MCWF2050**
30A 250V WTSSTL	**MCWF2060**
20A 125/250V WTSSTL	**MCWF2070**
20A 3Ø, 250V WTSSTL	**MCWF2080**
20A 3Ø, 480V WTSSTL	**MCWF2090**
30A 125/250V WTSSTL	**MCWF2100**
30A 3Ø 250V WTSSTL	**MCWF2110**
30A 3Ø 480V WTSSTL	**MCWF2120**
30A 3Ø 600V WTSSTL	**MCWF2130**

*Note: **Watertight Safety-Shroud® Twist-Lock® Plug required
when in use.*
†Straight Blade are UL Type 4X when not in use only.
•Closure cap required when not in use.
Accepts PH2304 series cables.
*WTSSTL is an abbreviation for Watertight Safety-Shroud®
Twist-Lock®.*

Device Type	Style	Type	No. of Devices	Device Type	Pass-Thru
M	L - LINKOSITY	WF - Watertight Safety-Shroud Receptacle	1	**01** - 20A 125V Straight Blade†	P - Pass-Thru
			2	**02** - 20A 125V Twist-Lock	0 - No Pass-Thru
				03 - 20A 250V Twist-Lock	
				04 - 20A 277V Twist-Lock	
		WM - Watertight Safety-Shroud Inlet		**05** - 30A 125V Twist-Lock	
				06 - 30A 250V Twist-Lock	
				07 - 20A 125/250V Twist-Lock	
				08 - 20A 3Ø 250V Twist-Lock	
				09 - 20A 3Ø 480V Twist-Lock	
				10 - 30A125/250V Twist-Lock	
				11 - 30A 3Ø 250V Twist-Lock	
				12 - 30A 3Ø 480V Twist-Lock	
				13 - 30A 3Ø 600V Twist-Lock	

Device Type	Style	Type	No. of Poles	Conductor Colors	Pass - Thru
M	4L - LINKOSITY	20 - 20A	02	PA - Green/Yellow Black (all others)	P - Pass-Thru
		23 - 20A Super Neutral Isolated Ground	03		0 - No Pass-Thru
			04		
			05	PB - Green/Yellow White Black (all others)	
			06		
		30 - 30A			

Device Type	Style	Type	No. of Devices	NEMA Device Type	Pass-Thru
M	C - Conduit Feed	WF - Watertight Safety-Shroud Receptacles	2	**01** - 20A 125V Straight Blade	0 - No Pass-Thru
				02 - 20A 125V Twist-Lock	
				03 - 20A 250V Twist-Lock	
				04 - 20A 277V Twist-Lock	
		WM - Watertight Safety-Shroud Inlet		**05** - 30A 125V Twist-Lock	
				06 - 30A 250V Twist-Lock	
				07 - 20A 125/250V Twist-Lock	
				08 - 20A 3Ø 250V Twist-Lock	
				09 - 20A 3Ø 480V Twist-Lock	
				10 - 30A125/250V Twist-Lock	
				11 - 30A 3Ø 250V Twist-Lock	
				12 - 30A 3Ø 480V Twist-Lock	
				13 - 30A 3Ø 600V Twist-Lock	

Replacement Mounting Feet

Description	Catalog Number
For Power Distribution Assemblies.	**HBLRFT1**△

Note: △ Package of 10 mounting feet and 10 screws.

LINKOSITY®

Catalog Number M001****P Shown

Catalog Number	Gangs	Dimension 'A'	Dimension 'B'	Dimension 'C'	Dimension 'D'
M001**P**	1	5.50 (139.7)	4.75 (120.7)	2.25 (57.2)	4.53 (115.1)
M002**P**	2	7.50 (190.5)	6.75 (171.5)	2.25 (57.2)	4.53 (115.1)
M003**P**	3	9.50 (241.3)	8.75 (222.3)	2.25 (57.2)	4.53 (115.1)
M004**P**	4	11.50 (292.1)	10.75 (273.1)	2.25 (57.2)	4.53 (115.1)
M005**P**	5	13.50 (342.9)	12.75 (323.9)	2.25 (57.2)	4.53 (115.1)

LINKOSITY® Specifications

Certifications

System Level	ETL Classified to NEC
Component Assemblies (PSDA)	UL Listed
Connecting Components	Listed to UL2238 and UL 50
Cable (Up to #22 AWG)	UL 300V Type ITC/PLTC 105°C
Cable (#16 AWG and Up)	UL 600V Type TC-ER, MTW 90°C or STOOW 600V 105°C

Cable Diameter

Amps	Wires	O.D.
20	3	.595 (15.1)
20	4	.645 (16.4)
20	5	.710 (18.0)
20	6	.760 (19.3)
30	4	.710 (18.0)

Performance

Electrical

Voltage	Up to 600V
Amperage	Up to 30A

Environmental

Connectivity System Components

Moisture Resistance	UL Type 4, 4X, 12 and 13
Ingress Protection	IP66 Suitability
Flammability	UL94HB Cables/UL94V-0 receptacles

Power System Distribution Assemblies

Moisture Resistance	NEMA Type 1, Type 3R, Type 4X

Dimensions in Inches (mm)

cULus LISTED

MotorQuick®

IP67
SUITABILITY

Housing Design

- Thermoplastic Cover on Plated Steel Base
- NEMA 1 Enclosure
- Pre-wired with LINKOSITY® Components
- Crush and Impact Resistance of MC Cable

HBL1389MQ5

Housing Design

- High Impact Valox® Enclosure
- Type 4X Enclosure
- Permanent Labelless Marking
- Lockable Handle to Meet OSHA Lockout/Tagout Regulations
- Cable Ratings: TC-ER, MTW, STOOW

HBLDS3MQ5

MotorQuick® Disconnect Switches

Type 1 Non-Metallic Enclosure 30A 3 Pole 600V AC	Catalog Number
HBL1389D with one pre-wired LINKOSITY® female receptacle (load side).	**HBL1389MQR**
HBL1389D with 5 foot pre-wired LINKOSITY® female cable (load side).	**HBL1389MQ5**
HBL1389D with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side).	**HBL1389MQR2**

Type 4X Non-Metallic Labelless Enclosure 30A 3 Pole 600V AC	Catalog Number
HBLDS3 with one pre-wired LINKOSITY® female receptacle (load side).	**HBLDS3MQR**
HBLDS3 with 5 foot pre-wired LINKOSITY® female cable (load side).	**HBLDS3MQ5**
HBLDS3 with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side).	**HBLDS3MQR2**

| Type 4X Stainless Steel Enclosure 30A 3 Pole 600V AC	Sloped Top	Square Top
HBLDS3SS with one pre-wired LINKOSITY® female receptacle (load side).	**HBLDS3SSRMQR**	**HBLDS3SSMQR**
HBLDS3SS with 5 foot pre-wired LINKOSITY® female cable (load side).	**HBLDS3SSRMQ5**	**HBLDS3SSMQ5**
HBLDS3SS with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side).	**HBLDS3SSRMQR2**	**HBLDS3SSMQR2**

HBL1389MQR2

HBLDS3MQR

HBLDS3SSRMQR

HBLDS3SSMQR

Accessories

Description	Catalog Number
3P 4W LINKOSITY® male receptacle for installation on motor.	**RM3004PA001**
3P 4W LINKOSITY® female receptacle for installation in switch.	**RF3004PA001**
3P 4W LINKOSITY® double ended (male/female) 5-50 foot cable.	**PH3004PAxxx***
3P 4W LINKOSITY® single ended (female) 5-50 foot cable.	**PF3004PAxxx***
Cord connector, ¾ in. NPT .63–.75 in. (16.0–19.1) diameter.	**SHC1037CR**
Lock-on cover for LINKOSITY® connections.	**PH2030C**

*Note: *Cables available from 5-50 feet in 5 foot increments. To purchase larger cable, replace the **XXX** with the required length in feet. (Examples: **PH3004PA005** = 5 foot cable, **PH3004PA050** = 50 foot cable.)*

Sample Set Up

(1) **HBLDS3MQR**   +   (1) **PH3004PAxxx**   +   (1) **RM3004PA001**   =   **Total Set Up****

PH2030C
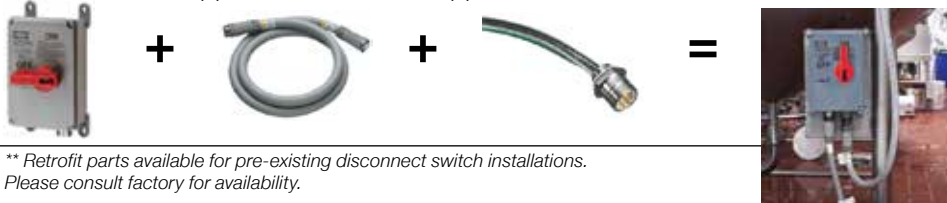
*Note: ** Retrofit parts available for pre-existing disconnect switch installations. Please consult factory for availability.*

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Industrial Connectivity and Control Products

CableTrak® Hose and Cable Carrier System

The design of CableTrak carriers provides easy access to components during installation and repair. The track's flip top design allows the installer to lay cable and hose components directly into the track instead of pulling them through the length of the track. Hubbell CableTrak carriers can be ordered as assembled kits with brackets or by the foot without brackets. The final length of the track is easily customized by adding or removing sections of track or individual links with a flat head screwdriver.
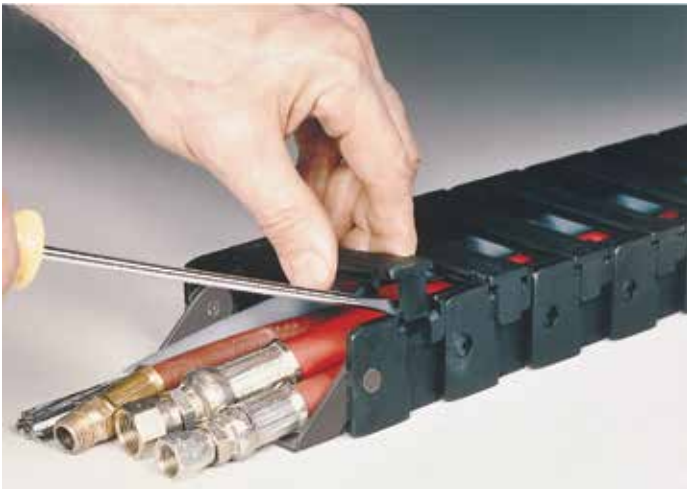
CableTrak® Installation

1. Unlock Tab.
2. Locking tabs secure the retaining bar into place. To unlock tabs, slide a flat head screwdriver under the tab and release it with a twisting motion.

Access/Install Cables and Hoses

3. Easy access is important, especially for pre-assembled cable/hose sets involving large O.D. plugs, receptacles, and couplings.
4. Lock Tab.
5. To re-secure retaining bars, engage the hinge and snap the locking tab into place.

CableTrak® Kits

TRAVEL

K

C

End Mounting:
Track travel length = Machine travel length.

B

R

V

W

H O

M

P
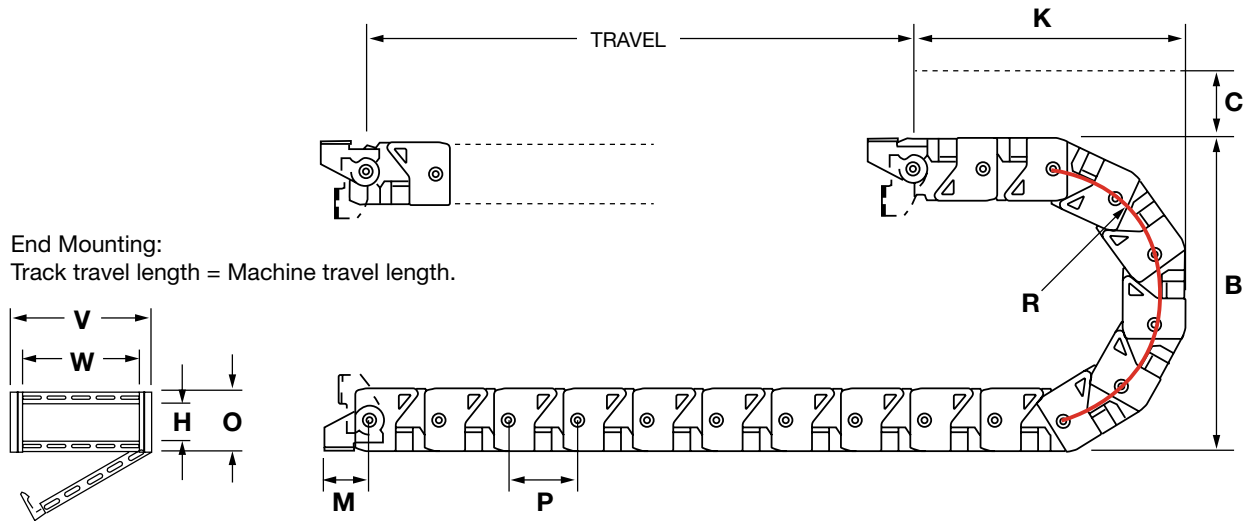
CableTrak® Kit with Brackets

Catalog Number	Track Length (ft)	W Inner Width	H Inner Height	A Max Hose/Cab O.D.	B Max Component Width	V Outer Width	O Outer Height	R Bend Radius	B Bend Height	C Clearance	K Min Brkt to Bend	M Brkt to Pivot	P Pitch	L* Curve Length (ft)
HCT10114K**	4.0'	0.59"	0.75"	0.286"	0.531"	1.03"	1.00"	1.44"	3.86"	2.00"	5.68"	1.33"	1.250"	1.000'
HCT10219K**	4.0'	1.00"	0.75"	0.382"	0.900"	1.44"	1.00"	1.91"	4.82"	2.00"	5.41"	1.33"	1.250"	1.000'
HCT16119K	4.0'	1.50"	1.00"	0.382"	1.350"	2.12"	1.62"	1.91"	5.44"	3.00"	5.72"	1.19"	1.812"	1.000'
HCT16134K	4.5'	1.50"	1.00"	0.688"	1.350"	2.12"	1.62"	3.44"	8.50"	3.00"	7.85"	1.19"	1.812"	1.500'
HCT16219K	4.0'	2.28"	1.00"	0.328"	2.052"	2.91"	1.62"	1.91"	5.44"	3.00"	5.72"	1.19"	1.812"	1.000'
HCT16234K	4.5'	2.28"	1.00"	0.688"	2.052"	2.91"	1.62"	3.44"	8.50"	3.00"	7.85"	1.19"	1.812"	1.500'
HCT16334K	4.5'	3.08"	1.00"	0.688"	2.772"	3.70"	1.62"	3.44"	8.50"	3.00"	7.85"	1.19"	1.812"	1.500'
HCT16434K	4.5'	4.06"	1.00"	0.688"	3.654"	4.69"	1.62"	3.44"	8.50"	3.00"	7.85"	1.19"	1.812"	1.500'
HCT25134K	4.5'	2.60"	1.75"	0.680"	2.340"	3.70"	2.50"	3.40"	9.30"	3.00"	8.31"	1.75"	2.500"	1.500'
HCT25234K	4.5'	4.25"	1.75"	0.680"	3.825"	5.36"	2.50"	3.40"	9.30"	3.00"	8.31"	1.75"	2.500"	1.500'
HCT25247K	5.0'	4.25"	1.75"	0.956"	3.825"	5.36"	2.50"	4.78"	12.06"	3.00"	10.52"	1.75"	2.500"	2.000'
HCT25347K	5.0'	6.60"	1.75"	0.956"	5.940"	7.70"	2.50"	4.78"	12.06"	3.00"	10.52"	1.75"	2.500"	2.000'

CableTrak® Kit without Brackets

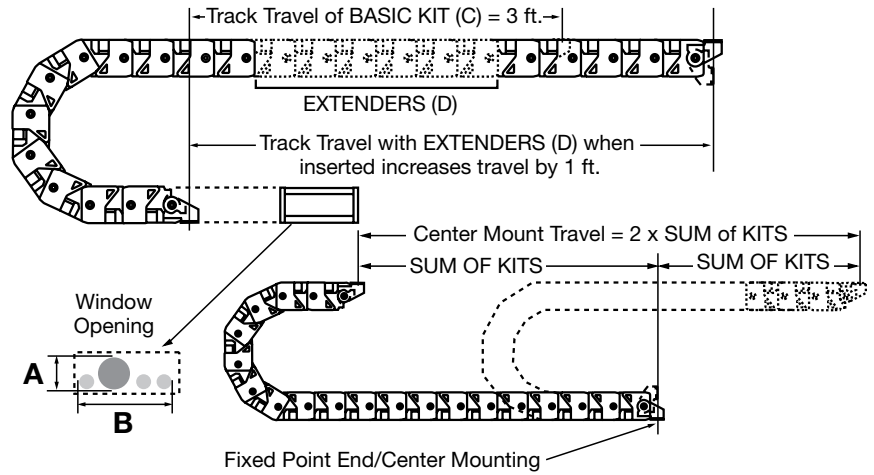| Catalog Number	Track Length (ft)	W Inner Width	H Inner Height	A Max Hose/Cab O.D.	B Max Component Width	V Outer Width	O Outer Height	R Bend Radius	B Bend Height	C Clearance	P Pitch	L* Curve Length (ft)
HCT101141**	1.0'	0.59"	0.75"	0.286"	0.531"	1.03"	1.00"	1.44"	3.86"	2.00"	1.250"	1.000'
HCT102191**	1.0'	1.00"	0.75"	0.382"	0.900"	1.44"	1.00"	1.91"	4.82"	2.00"	1.250"	1.000'
HCT161191	1.0'	1.50"	1.00"	0.382"	1.350"	2.12"	1.62"	1.91"	5.44"	3.00"	1.812"	1.000'
HCT161341	1.0'	1.50"	1.00"	0.688"	1.350"	2.12"	1.62"	3.44"	8.50"	3.00"	1.812"	1.500'
HCT162191	1.0'	2.28"	1.00"	0.328"	2.052"	2.91"	1.62"	1.91"	5.44"	3.00"	1.812"	1.000'
HCT162341	1.0'	2.28"	1.00"	0.688"	2.052"	2.91"	1.62"	3.44"	8.50"	3.00"	1.812"	1.500'
HCT163341	1.0'	3.08"	1.00"	0.688"	2.772"	3.70"	1.62"	3.44"	8.50"	3.00"	1.812"	1.500'
HCT164341	1.0'	4.06"	1.00"	0.688"	3.654"	4.69"	1.62"	3.44"	8.50"	3.00"	1.812"	1.500'
HCT251341	1.0'	2.60"	1.75"	0.680"	2.340"	3.70"	2.50"	3.40"	9.30"	3.00"	2.500"	1.500'
HCT252341	1.0'	4.25"	1.75"	0.680"	3.825"	5.36"	2.50"	3.40"	9.30"	3.00"	2.500"	1.500'
HCT252471	1.0'	4.25"	1.75"	0.956"	3.825"	5.36"	2.50"	4.78"	12.06"	3.00"	2.500"	2.000'
HCT253471	1.0'	6.60"	1.75"	0.956"	5.940"	7.70"	2.50"	4.78"	12.06"	3.00"	2.500"	2.000'

*Note: *L = Minimum length in feet to form CableTrak curve.*
*   **These models do not have a flip top design and do not accept separators due to their small size.*

Dimensions in Inches (mm)

CableTrak® Accessories

Center Mounting: Mounting the fixed track end in the center of the machine travel allows the track to travel beyond the fixed end. Center mounting effectively doubles the travel distance of the track requiring half the track length of an end mounted application.

Track Travel of BASIC KIT (C) = 3 ft.

EXTENDERS (D)

Track Travel with EXTENDERS (D) when inserted increases travel by 1 ft.

Center Mount Travel = 2 x SUM of KITS

SUM OF KITS

SUM OF KITS

Window Opening

A

B

Fixed Point End/Center Mounting

Calculating

Center Mount (Stationary bracket mounted in center of travel range): Track Length = (MT/2) + L
End Mount (Stationary bracket mounted off center of travel range): Track Length = (MT/2) + L + offset from center in feet
MT = Total machine travel distance in feet
L = Length of track taken up by the bend radius

Customizing Track Length

Hubbell CableTrak is easily customized by adding or subtracting links to the track. CableTrak kits provide 4 to 5 feet of track with brackets pre-installed. Track length can be increased by installing the required number of extenders to reach the required length. To further tune the length of track, individual links can be added or removed. To determine the number of links to add or remove, divide the length in inches to be added or subtracted by the pitch of the track and round up.

CableTrak® Accessories

Bracket Kits	For Use With	A	B	C	D	E	F	G	H
HCTBK101	HCT101 Series	.40" (10.2)	.81" (20.6)	.47" (12.0)	.94" (23.9)	–	–	–	–
HCTBK102	HCT102 Series	.44" (11.2)	1.22" (31.0)	.44" (11.2)	1.35" (34.3)	–	–	–	–
HCTBK161	HCT161 Series	.99" (25.2)	1.97" (50.1)	.87" (22.1)	1.84" (46.7)	1.19" (30.2)	.281" (7.1)	.75" (19.1)	.81" (20.6)
HCTBK162	HCT162 Series	1.78" (45.2)	2.75" (69.9)	1.65" (41.9)	2.63" (66.8)	1.19" (30.2)	.281" (7.1)	.75" (19.1)	.81" (20.6)
HCTBK163	HCT163 Series	2.57" (65.3)	3.55" (90.2)	2.44" (62.0)	3.42" (86.9)	1.19" (30.2)	.281" (7.1)	.75" (19.1)	.81" (20.6)
HCTBK164	HCT164 Series	3.56" (90.4)	4.53" (115.1)	3.47" (88.1)	4.41" (112.0)	1.19" (30.2)	.281" (7.1)	.75" (19.1)	.81" (20.6)
HCTBK251	HCT251 Series	2.08" (52.8)	3.21" (81.5)	1.80" (45.7)	3.03" (77.0)	1.75" (44.5)	.344" (8.7)	1.00" (25.4)	1.25" (31.8)
HCTBK252	HCT252 Series	3.74" (95.0)	4.87" (123.7)	3.46" (87.9)	4.69" (119.1)	1.75" (44.5)	.344" (8.7)	1.00" (25.4)	1.25" (31.8)
HCTBK253	HCT253 Series	6.08" (154.4)	7.21" (183.1)	5.80" (147.3)	7.03" (178.6)	1.75" (44.5)	.344" (8.7)	1.00" (25.4)	1.25" (31.8)
Separators	For Use With	A	B	C	D	E	F		
HCTSP16PK12	HCT16 Series	1.24" (31.5)	.82" (20.8)	.94" (23.9)	.27" (6.9)	.14" (3.6)	.50" (12.7)		
HCTSP25PK12	HCT25 Series	2.03" (51.6)	1.00" (25.4)	1.19" (30.2)	.35" (8.9)	.15" (3.8)	.62" (15.8)		

HCTBK101 – Brackets

Female   **Male**
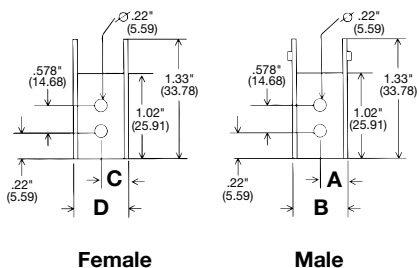
HCTBK102 – Brackets

Female   **Male**
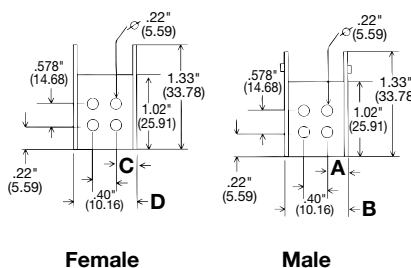
HCTBK161 – HCTGK253 Brackets

Female   **Male**
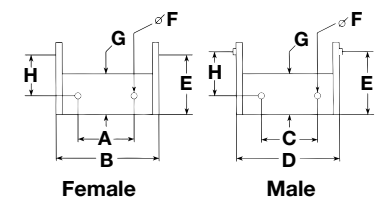
Separators
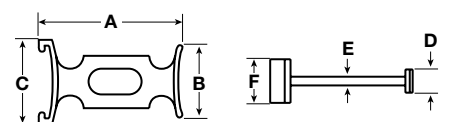
Dimensions in Inches (mm)

CableTrak® System Mounting Options

Horizontal Travel

Fixed End

Fixed End
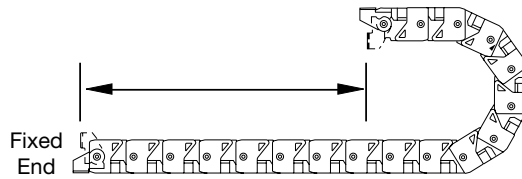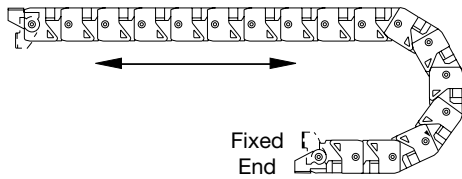
Combination Horizontal & Vertical Travel

Fixed End

Opposed Travel

Fixed Ends
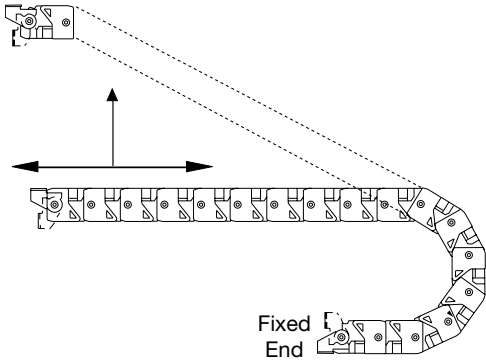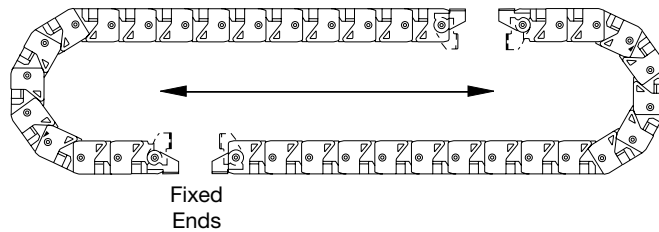
Vertical Travel

Curve Up

Back-Up Surface

Fixed End

Back-Up Plate

Curve Down

Back-Up Plate

Fixed End

Back-Up Surface
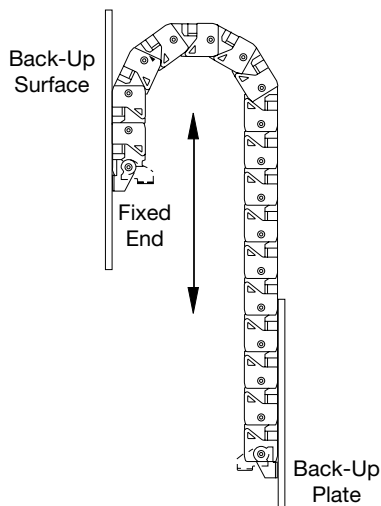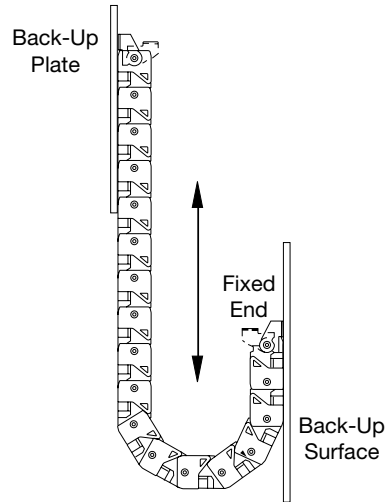
Specifications

Material	Fiberglass reinforced nylon.
Operating Temperature	Continuous +20°F to +100°F (-7°C to 38°C). Intermittent* -40°F to +220°F (-40°C to 104°C).
Maximum Operating Speed	600 FPM (feet per minute), 180 MPM (meters per minute). Operating speed is based on short lengths that are self supported (up to 9ft.).
Maximum Unsupported Travel Distance	HCT16 Series without sag 9 ft. (2.8 m) with sag 10.5 ft. (3.2 m). HCT25 Series without sag 13.5 ft. (4.1 m) with sag 17 ft. (5.2 m).
Applications	Machine tool, robotic automation, material handling.

*Note: *Intermittent refers to the operating of the product outside the normal (continuous operating) temperature range momentarily before returning back to the normal range.*

DIN Rail Utility Box

Hubbell's DIN Rail Utility Box offers a labor saving way to provide utility power to any control cabinet. Installing the DIN Rail Utility Box is as easy as snapping the box onto a 35mm DIN Rail and connecting the line, neutral and ground wires to the terminal block. Utility power for fans, lights, laptop computers, testers or any other power requirement. If load limiting is a concern, Hubbell's "CB" version comes with a 5 Amp circuit breaker that provides over-current protection to make sure that large loads are not drawn from the DIN Rail Utility Box. All Hubbell DIN Rail Utility Boxes may be mounted either vertically or horizontally on the DIN Rail; the "H" version comes with the terminal block mounted for easy wiring when the DIN Rail Utility Box is mounted horizontally.

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Duplex Receptacles

Description	Color	Catalog Number	
Complete unit.	Gray	**DRUB15**	**DRUB20**
Complete unit, horizontal mount.	Gray	**DRUB15H**	–
Complete unit with 5A circuit breaker.	Gray	**DRUB15CB5**	–
Complete unit with 5A circuit breaker, horizontal.	Gray	**DRUB15HCB5**	–
Complete unit with aux.	Gray	–	**DRUB20AC**
Complete unit with aux and 5A circuit breaker.	Gray	–	**DRUB20ACCB5**
Complete unit with NEMA® 6-20R duplex (250V).	Gray	–	**DRUB5462***

GFCI Duplex Receptacles

Description	Color	Catalog Number	
Complete unit.	Gray	**DRUBGFI15**	**DRUBGFI20**
Complete unit, horizontal.	Gray	**DRUBGFI15H**	–
Complete unit with 5A circuit breaker.	Gray	**DRUBGFI15CB5**	–
Complete unit with 5A circuit breaker, horizontal.	Gray	**DRUBGFI15HCB5**	–
Complete unit with aux GFCI contacts.	Gray	**DRUBGFI15AC**	**DRUBGFI20AC**
Complete unit, faceless with aux GFCI contacts.	Gray	–	**DRUBGFI20BFAC**

TVSS Duplex Receptacles

Description	Color	Catalog Number	
Complete unit.	Gray	**DRUBTVSS15**	–
Complete unit with aux contacts.	Gray	**DRUBTVSS15AC**	–

Isolated Ground△ Duplex Receptacles

Description	Color	Catalog Number	
Complete unit.	Gray	**DRUBIG15**	–

Toggle Switch Unit

| Description	Color	Catalog Number
Complete unit with HBL1221.	Gray	**DRUB1221AC**
Complete unit with 15A 125V SW/REC.	Gray	**DRUB6404**

DIN Rail Utility Box Components

Description	Color	Catalog Number
Pre-wired kit without circuit breaker.	Gray	**DRUBKIT**
Pre-wired kit with circuit breaker.	Gray	**DRUBKITCB5**
Pre-wired kit with aux.	Gray	**DRUBKITAC**
Pre-wired kit with circuit breaker and aux.	Gray	**DRUBKITACCB5**
Communications kit (unloaded).	Gray	**HIDRUBCKIT**
(For use with Network Wiring frames in section W).		
Switch plate only.	Gray	**KP1GY****
Rectangular opening plate only.	Gray	**KP26GY****
1.60 in. opening plate only.	Gray	**KP720GY****
1.40 in. opening plate only.	Gray	**KP7GY****
Duplex receptacle plate only.	Gray	**KP8GY****

Note: △See section M for additional information on isolated ground devices.
*DRUB5462 configuration not pictured.
**UL Listed, CSA Certified.
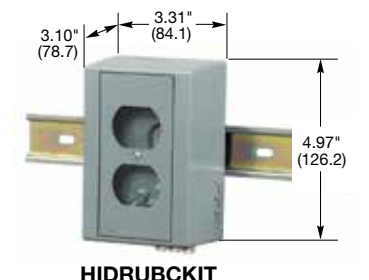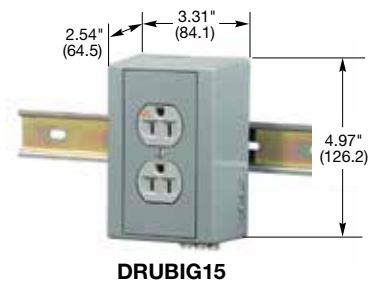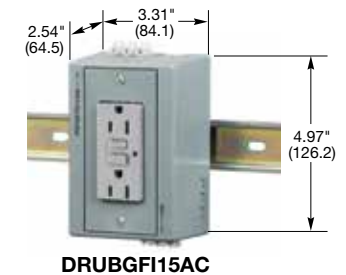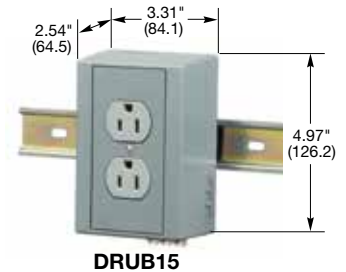
NEMA® is a registered trademark of the National Electrical Manufacturers Association.

2.54" (64.5)   3.31" (84.1)   4.97" (126.2)

DRUB15

2.54" (64.5)   3.31" (84.1)   4.97" (126.2)

DRUBGFI15AC

2.54" (64.5)   3.31" (84.1)   4.97" (126.2)

DRUBTVSS15

2.54" (64.5)   3.31" (84.1)   4.97" (126.2)

DRUBIG15

3.10" (78.7)   3.31" (84.1)   4.97" (126.2)

HIDRUBCKIT

Dimensions in Inches (mm)

Features and Benefits

IP66
SUITABILITY

NFPA 70E Compliant

PANEL-SAFE® Power and Data

An arc flash is a short circuit that travels through air from one live circuit to another. Problems including gaps in insulation, dust or corrosion on the surface of a conductor, or even use of substandard components can cause a serious safety hazards and equipment failures. Arc flash incidents can be extremely costly to a business and can result in serious or even fatal burns, as well as damage to eyesight. Hubbell PANEL-SAFE® provides through door access to live electrical components without having to open the enclosure.

- Available in Type 4, 12 and 4X versions with protective clear cover
- Provides overcurrent protection for both power and data access ports
- Ensures safety with finger-safe contacts and Hubbell GFCI functionality

**Available in
NEMA TYPE 4, 12 and
NEMA TYPE 4X Versions!**

Housing Design
- Rugged, nickel-plated hardware, excellent corrosion and abuse resistance
- Protective clear cover
- Operating temperature -20°C to 110°C

Internal Design
- Hubbell GFCI with functionality indicator
- Cat. 5e Ethernet access*
- Overcurrent protection

Housing Design
- Locking Hasp accepts ⁵⁄₃₂" padlock
- Supplemental "Tool" entry screw closure

Internal Design
- Additional convenience outlet on GFCI versions
- Finger-safe contacts
- Stainless steel snap latch

*Note: *Additional computer interfaces and PLC connections available upon request.*

Specifications

Electrical	GFCI - conforms to UL 943 2006 requirement In-Cabinet Receptacle - GFCI protected Data Jack - Cat. 5e Circuit Breaker - 3A
Mechanical	Cover - Clear Polycarbonate (UV Rated) Housing - Cast Aluminum Finish - Powder Coat Latch - Stainless steel
Environmental	Enclosure - NEMA Type 4, 12 and NEMA Type 4X
Certification	UL Recognized CSA Certified

Application

PANEL-SAFE® Power Only

Description	NEMA TYPE 4	NEMA TYPE 4X
20A 125V GFCI with In-Cabinet Receptacle.	**PR20**	—

PR20

PANEL-SAFE® Data Only

Description	NEMA TYPE 4	NEMA TYPE 4X
Cat. 5e Ethernet Access only.	**P5E**	**P4X5E**
DB9 Interface Connector only.	**PDB9**	—
PANEL-SAFE Data Port with DB9 Connector.	**PDB9MF**	—
DH + Combo (DB9/8M Din) and Cat. 5e Ethernet.	**PDH5E**	—
PANEL-SAFE Data Port, (2) USBA, 3 ft. Cable.	—	**P4XUSBA2C3**

P5E

PANEL-SAFE® Power and Data

Description	NEMA TYPE 4	NEMA TYPE 4X
20A 125V GFCI with In-Cabinet Receptacle and Cat. 5e Ethernet Access.	**PR205E**	**PR4X205E**
20A 125V GFCI with In-Cabinet Receptacle, Cat. 5e Ethernet Access and 3A Circuit Breaker.	**PR205EB**	**PR4X205EB**
PANEL-SAFE with 20A GFCI and Cat.5e, DB9 and 3A Circuit Breaker.	**PR205EDB9B**	—
PANEL-SAFE with 20A GFCI and Cat.5e, (1) 3A USB.	**PR205EUSBA**	—
PANEL-SAFE with 20A GFCI and Cat.5e, (2) 3A USB.	**PR205EUSBA2**	—
PANEL-SAFE Data Access Port.	**PR205EUSBA2VGA**	—
20A 125V GFCI Power and Cat. 5e, DB9 and 3A Circuit Breaker.	**PR205EDB9MFB**	—
20A 125V GFCI Power and Cat. 5e Ethernet, DH + Combo (DB9/8M Din).	**P20DH5E**	—
PANEL-SAFE with 20A GFCI and Cat.5/DB9.	**P205EDB9**	—
15A 125V Power and Cat. 5e Ethernet Access.	**P155E**	**P4X155E**
15A 125V Power, Cat. 5e Ethernet Access and 3A Circuit Breaker.	**P155EB**	**P4X155EB**
15A 125V Power and (2) Cat. 5e Ethernet Access.	**P155E2**	—
15A 120V AC Power, NEMA 12/4, DB9 M/F, 10 ft. Cable.	**P15DB9MFC10**	—
15A 125V Power and DH485 Interface (RJ-45F to RJ-45M, 10 ft. Cable).	**P15DH485C10**	—
15A 125V Power and Micrologix 8M Din/F to 8M Din/M, 10 ft. Cable.	**P15ML8F8MC10**	—

PR205E

PR205EB

P155E

P155EB

Additional computer interfaces, PLC connections and configurations available upon request. Consult factory for catalog number and availability.

Features and Benefits

HI-Impact Industrial Ethernet Connectors

Hubbell's Industrial Ethernet System provides leading edge Category 5e and 6 network transmission performance suitable for industrial and other harsh environments. This system incorporates the use of our standard data connectivity jacks which feature our keystone latching mechanism, in a rugged sealed housing providing IP67 rated protection.

Extend your LAN to include automation equipment and manufacturing or process control equipment. Utilize the Hubbell system to provide added protection in harsh environments such as convention centers, food processing plants, outdoor billboards and display screens, medical and other environments which require added protection from moisture, corrosion, dust-debris, vibration and chemicals.

Housing Design
- Housing made from high impact polymer
- O-rings for moisture protection
- Sealed connection is IP67 rated

Internal Design
- Category 6 and 5e component connectors
- Standard Hubbell Keystone latching system

Industrial Ethernet Connectors
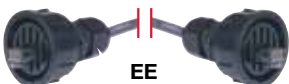
Description	Cat. 6	Cat. 6 Inline Coupler
Connector	**HI6**	**HI6C**

Industrial Ethernet Patch Cords and Plugs

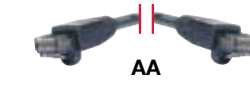| Description	Catalog Number
HI-Impact RJ-45 to standard RJ-45.	**HI603AE***
HI-Impact RJ-45 on both ends.	**HI603EE***
Standard RJ-45 on both ends.	**HI603AA***

*Note: *Additional lengths in feet: 05, 07, 10, 15, 20, 25, 30, 35, 40, 45, 50.*

Coupler Housing and Connector Cap

Description	Catalog Number
HI-Impact coupler housing is a perfect solution for temporary and flexible work areas where single port drops are needed. Add any HI-Impact connector to support your application.	**HICH**
Connector Cap	**HIC**

HI-Impact Wallplates

Description	1-Gang 1-Port Opening	1-Gang 2-Port Openings	2-Gang 2-Port Openings	2-Gang 4-Port Openings
Stainless steel wallplate.	**HISF11**	**HISF12**	**HISF22**	**HISF24**

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

AE

EE

AA

HICH

HIC

HISF11

Environmental Specifications

Ingress Protection:	NEMA TYPE 4X (connectors). IP67 and IP66 (dust/water). IP55 (plates).
Corrosion:	Resistant to most common chemicals, oils and cleaning agents.
HI-Impact Housing:	UV resistant.
Temperature Range:	TIA/EIA-568-B.2 -25°C to 70°C.

Material

HI-Impact Housing:	Valox®, UL 94V-0.
Nose Contacts:	Beryllium copper with a minimum of 50 micro-inch gold plating over nickel under plating.

Mechanical

Vibration
Frequency Range:	10-500Hz.
Acceleration:	5g (operational).
Mating Cycles:	750 minimum.

UL 1863 compliant.

Electrical

ANSI/TIA/EIA-568-B.2-1 (Cat. 6 and 5e).
Supports TIA-1005 Industrial Telecommunications Infrastructure.