

# HI-IMPACT™ Industrial Ethernet Connector and Harsh Environment Connectors

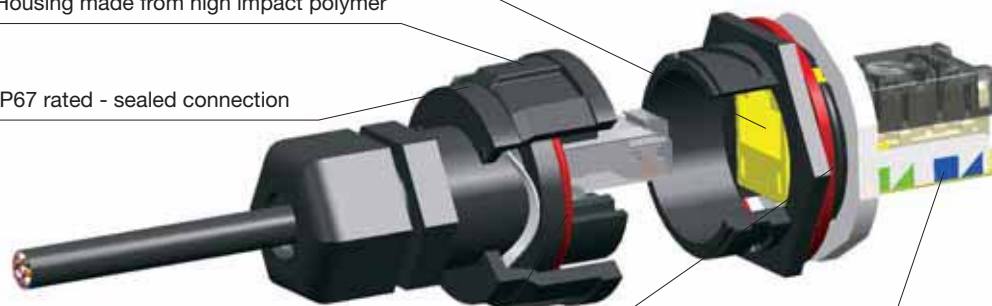
Category 6 and 5e component connectors

Housing made from high impact polymer

IP67 rated - sealed connection

O-Rings for moisture protection

Standard Hubbell Keystone Latching System



Industrial/Manufacturing



Medical



Harsh Environment



Oil/Mining

## Industrial Ethernet and Harsh Environment 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.

## Industrial Ethernet Connectors

|                                                                                     | Description                      | Catalog Number |
|-------------------------------------------------------------------------------------|----------------------------------|----------------|
|  | Cat. 5e Connector                | HI5E           |
|  | Cat. 5e Inline Coupler Connector | HI5EC          |
|  | F-Connector                      | HIF            |

|                                                                                      | Description                | Catalog Number |
|--------------------------------------------------------------------------------------|----------------------------|----------------|
|  | Cat. 5e Shielded Connector | HI5ESC         |
|  | Cat. 6 Connector           | HI6            |

## Environmental Specifications

|                                      |                                                                          |
|--------------------------------------|--------------------------------------------------------------------------|
| Ingress Protection:                  | NEMA TYPE 4X (connectors).<br>IP67 and IP66 (dust/water). IP55 (plates). |
| Corrosion:                           | Resistant to most common chemicals,<br>oils and cleaning agents.         |
| HI-IMPACT Housing:                   | UV resistant.                                                            |
| HI-IMPACT Housing 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<br>50 micro-inch gold plating over nickel<br>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.

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

## HI-IMPACT™

Industrial Ethernet Patch Cords, Plugs,  
Wall Plates and Surface Mount Boxes

## Industrial Ethernet Patch Cords and Plugs



| Description                       | Catalog Number | Catalog Number  |
|-----------------------------------|----------------|-----------------|
| HI-IMPACT RJ-45 to standard RJ-45 | <b>HI6xxAE</b> | <b>HI5ExxAE</b> |
| HI-IMPACT RJ-45 on both ends      | <b>HI6xxEE</b> | <b>HI5ExxEE</b> |
| Standard RJ-45 on both ends       | <b>HI6xxAA</b> | <b>HI5ExxAA</b> |

## Patch Cords, F-Connector (RG59)

| Description                                   | Catalog Number |
|-----------------------------------------------|----------------|
| F-connector HI-IMPACT F to standard F (RG59)  | <b>HIFxxAE</b> |
| F-connector HI-IMPACT F to HI-IMPACT F (RG59) | <b>HIFxxEE</b> |

Substitute "xx" with 03, 05, 07, 10, 15, 20, 25, 30, 35, 40, 45, 50 to indicate length in feet.



HIFxxAE



HIPC100



HI5EP



HIC

## Field Termination Plugs, Bulk Patch Cord and Cap

| Description                                | Catalog Number |
|--------------------------------------------|----------------|
| Field Termination Plug, Category 5e        | <b>HI5EP</b>   |
| Field Termination Plug, F-connector (RG59) | <b>HIFP</b>    |
| HI-IMPACT Bulk Cable, Category 5e          | <b>HIPC100</b> |
| HI-IMPACT Bulk Cable, RG59 coaxial cable   | <b>HIF100</b>  |
| Connector Cap                              | <b>HIC</b>     |

## HI-IMPACT Wall Plates

| Description                 | Port Size | Gang | Color           | Catalog Number |
|-----------------------------|-----------|------|-----------------|----------------|
| Stainless Steel Wall Plate  | 1         | 1    | Stainless Steel | <b>HISF11</b>  |
| Stainless Steel Wall Plate  | 2         | 1    | Stainless Steel | <b>HISF12</b>  |
| Stainless Steel Wall Plate  | 2         | 2    | Stainless Steel | <b>HISF22</b>  |
| Stainless Steel Wall Plate  | 4         | 2    | Stainless Steel | <b>HISF24</b>  |
| Thermoplastic 4-Point FS/FD | 1         | 1    | Gray            | <b>HI14GY</b>  |
| Thermoplastic 4-Point FS/FD | 1         | 1    | Yellow          | <b>HI114PY</b> |
| Thermoplastic 4-Point FS/FD | 2         | 1    | Gray            | <b>HI24GY</b>  |
| Thermoplastic 4-Point FS/FD | 2         | 1    | Yellow          | <b>HI124PY</b> |



HISF11



HI114PY

## HI-IMPACT Surface Mount Boxes

| Description                                    | Ports | Color           | Catalog Number |
|------------------------------------------------|-------|-----------------|----------------|
| Thermoplastic NEMA 4X Box                      | 1     | Gray            | <b>HI14XGY</b> |
| Thermoplastic NEMA 4X Box                      | 2     | Gray            | <b>HI24XGY</b> |
| Thermoplastic NEMA 4X Box                      | 4     | Gray            | <b>HI44XGY</b> |
| Thermoplastic NEMA 4X Box                      | 6     | Gray            | <b>HI64XGY</b> |
| Stainless Steel NEMA 4X Box                    | 1     | Stainless Steel | <b>HI1CBSS</b> |
| Stainless Steel NEMA 4X Box                    | 2     | Stainless Steel | <b>HI2CBSS</b> |
| Steel, Gray (Powder-coated) NEMA 4/12 Box      | 1     | Gray            | <b>HI1CB2G</b> |
| Steel, Gray (Powder-coated) NEMA 4/12 Box      | 2     | Gray            | <b>HI2CB2G</b> |
| ½" Hub Size Cast Aluminum Device Box with Lugs |       | Gray            | <b>HIFD1L</b>  |
| ¾" Hub Size Cast Aluminum Device Box with Lugs |       | Gray            | <b>HIFD2L</b>  |



HIFD2L



HI1CBSS