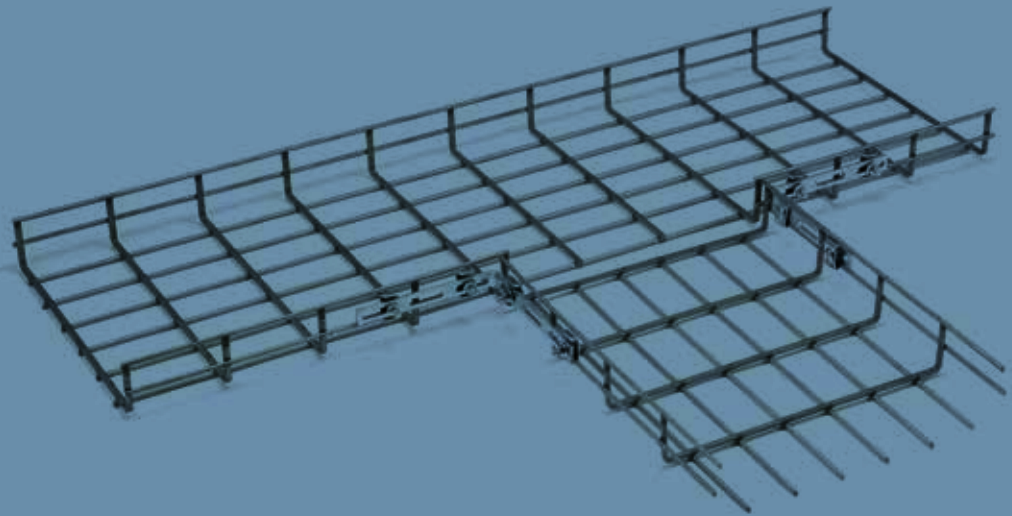


Wire Basket Tray System Cable Management



Innovative, Flexible, Field-Configurable
Wire Basket Tray Solutions





Innovative, Flexible, Field-Configurable Wire Basket Solutions

Support Broad Range of Applications

Hubbell has a wire basket system to meet specific requirements. From pre-galvanized solutions for commercial controlled interior environments, to a stainless steel version for industrial applications, such as food processing, marine and highly corrosive environments. Hubbell Wire Basket Systems will help save labor and minimize waste, while reducing impact to the environment. The painted masked version reduces on-site paint removal, saving time and money. The raised access floor system ships as a complete unit, eliminating the need to locate and assemble components. Hubbell Wire Basket Systems are available in overhead and raised floor applications. Both systems are UL classified as equipment ground conductor, provided they are installed and spliced according to our recommended instructions.

Pre-Galvanized Finish is Environmentally Friendly

The standard finish for Hubbell Basket Tray is pre-galvanized, which is a significantly more environment friendly manufacturing process than a galvanizing dip. Pre-galvanizing applies a zinc galvanizing to the basket PRIOR to fabrication. Then the galvanized wire is welded and formed into the appropriate basket size. On the other hand, a post-fabrication zinc application involves chemical cleaning and stripping, and heavy metal dipping vats to apply the zinc. This produces fumes and requires proper disposal of chemicals and metals. Hubbell's pre-galvanized finish performs the same as the post-production finish while avoiding secondary chemical processing. A post-fabrication electro-zinc finish is also available, if the customer prefers.

Sustainable Approach




Hubbell utilizes a sustainable approach to assist in maintaining our environment. Our wire basket systems utilize 100% recycled steel content in the manufacturing of our tray, and are packaged in kraft packaging that is not bleached. Packaging and strapping materials are recyclable. MillCerts are available upon request to assist in documenting recycled content for possible LEED credits.

Customer Support and Technical Assistance

Hubbell's knowledgeable sales team is just a call away for assistance in selecting the proper type basket tray for any application or providing design assistance, including developing a bill of material.


Pre-Galvanized

Wire is galvanized prior to fabrication.

| | Applications | Specification |
|--|--|---------------|
|  | <ul style="list-style-type: none"> Commercial Controlled Interiors | ASTM A641 |


Stainless Steel ♦

Type 304L and 316S

| | Applications | Specification |
|--|--|---------------|
|  | <ul style="list-style-type: none"> Industrial Marine Food Processing Outdoor | ASTM A580 |


Painted Finishes ♦

Powder coat; Black is available as standard.

| | Applications | Specification |
|--|---|---------------|
|  | <ul style="list-style-type: none"> Data Center Controlled Interiors | N/A |

Electroplated Zinc ♦

Tray is galvanized after fabrication.

| | Applications | Specification |
|--|--|---------------|
|  | <ul style="list-style-type: none"> Commercial Controlled Interiors | ASTM A641 |

♦ Available as a special order.

Wire Fill and Maximum Load Chart

| Depth | Width | Area | Cat 5e (0.18" dia.) 50% Wire Fill | Cat 6 (0.23" dia.) 50% Wire Fill | Cat 6a (0.30" dia.) 50% Wire Fill | Max. load (Lb/ft) (Supported at 6ft spacing) |
|-------|-------|------|--------------------------------------|-------------------------------------|--------------------------------------|--|
| 2 | 4 | 8 | 157 | 96 | 57 | 45 |
| 2 | 6 | 12 | 236 | 144 | 85 | 50 |
| 2 | 8 | 16 | 315 | 193 | 113 | 52 |
| 2 | 12 | 24 | 472 | 289 | 170 | 58 |
| 2 | 16 | 32 | 629 | 385 | 226 | 70 |
| 2 | 18 | 36 | 708 | 433 | 255 | 70 |
| 2 | 20 | 40 | 786 | 482 | 283 | 73 |
| 2 | 22 | 44 | 865 | 530 | 311 | 73 |
| 2 | 24 | 48 | 944 | 578 | 340 | 75 |
| 2 | 26 | 52 | 1022 | 626 | 368 | 73 |
| 2 | 28 | 56 | 1101 | 674 | 396 | 73 |
| 2 | 30 | 60 | 1180 | 722 | 425 | 70 |
| 2 | 32 | 64 | 1258 | 771 | 453 | 70 |
| 4 | 4 | 16 | 315 | 193 | 113 | 49 |
| 4 | 6 | 24 | 472 | 289 | 170 | 49 |
| 4 | 8 | 32 | 629 | 385 | 226 | 78 |
| 4 | 12 | 48 | 944 | 578 | 340 | 78 |
| 4 | 16 | 64 | 1258 | 771 | 453 | 108 |
| 4 | 18 | 72 | 1415 | 867 | 510 | 116 |
| 4 | 20 | 80 | 1573 | 963 | 566 | 116 |
| 4 | 22 | 88 | 1730 | 1060 | 623 | 116 |
| 4 | 24 | 96 | 1887 | 1156 | 679 | 116 |
| 4 | 28 | 112 | 2202 | 1349 | 793 | 108 |
| 6 | 8 | 48 | 944 | 578 | 340 | 116 |
| 6 | 12 | 72 | 1415 | 867 | 510 | 123 |
| 6 | 16 | 96 | 1887 | 1156 | 679 | 123 |
| 6 | 18 | 108 | 2123 | 1300 | 764 | 127 |
| 6 | 20 | 120 | 2359 | 1445 | 849 | 127 |
| 6 | 22 | 132 | 2595 | 1589 | 934 | 127 |
| 6 | 24 | 144 | 2831 | 1734 | 1019 | 150 |
| 8 | 8 | 64 | 1258 | 771 | 453 | 116 |
| 8 | 12 | 96 | 1887 | 1156 | 679 | 116 |
| 8 | 16 | 128 | 2516 | 1541 | 906 | 116 |
| 8 | 18 | 144 | 2831 | 1734 | 1019 | 116 |
| 8 | 20 | 160 | 3145 | 1926 | 1132 | 116 |

Sizes UL Classified or cUL Classified as equipment ground conductor

| 2" Depth | 4" Depth | 6" Depth | 8" Depth |
|----------|----------|----------|----------|
| 2 x 6 | 4 x 6 | 6 x 8 | 8 x 8 |
| 2 x 8 | 4 x 8 | 6 x 12 | 8 x 12 |
| 2 x 12 | 4 x 12 | 6 x 16 | 8 x 16 |
| 2 x 16 | 4 x 16 | 6 x 18 | 8 x 20 |
| 2 x 18 | 4 x 18 | 6 x 20 | |
| 2 x 20 | 4 x 20 | 6 x 22 | |
| 2 x 24 | 4 x 24 | 6 x 24 | |

Note: Applicable to pre-galvanized and powder coat painted when spliced as recommended. Other non-UL sizes require external grounding conductor. Stainless steel is not UL.

Instructions to Achieve Ground

- Use Hubbell splice kits (**HBTSK**) to achieve proper grounding at all splices, joints, and fitting.
- Grounding lugs and external ground wire are not required, provided **HBTSK** splice kits are utilized with steel tray. (Stainless steel tray requires external grounding conductor.)

Round Wire Basket Tray


Round Cross-Wire Design




Features

- T-weld construction prevents snags
- 5mm round wire on smaller sizes
- 6mm round wire on larger sizes
- High load rating
- Easy to cut and fabricate fittings in the field
- 100% recycled steel
- Use factory support hardware or fabricate supports on the job site
- 2" x 4" mesh opening
- Painted tray includes factory installed masking to assure proper grounding at splices; no need to remove paint during installation

Field Configurable Fittings

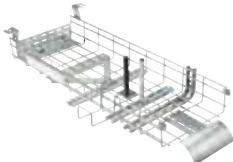


90° Sweep Elbow
Use appropriate quantity of splice Kits

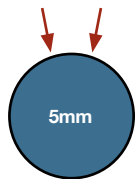


Tee Fitting
Use one HBTCS corner splice per each

Supports and Hardware



| 10 Feet per Length 118.312" (3m) 10 pc. min. order qty. | Width | Load (Lb/ft) | Weight per Length (Lb) | Splice Quantity | | Finish | |
|---|-------------------------|--------------|------------------------|-----------------|-----------------|----------------|-------------------|
| | | | | 90° Sweep Elbow | Straight Splice | Pre-Galvanized | Black Powder Coat |
| 2" Deep Tray | 4" (102) ● | 45 | 7 | 2 | 2 | HBT0204 | HBT0204BK |
| | 6" (152) ●● | 50 | 9 | 3 | 4 | HBT0206 | HBT0206BK |
| | 8" (203) ●●● | 52 | 10.5 | 4 | 4 | HBT0208 | HBT0208BK |
| | 12" (305) ●●●● | 58 | 12 | 6 | 4 | HBT0212 | HBT0212BK |
| | 16" (406) ●●●●● | 70 | 15 | 7 | 4 | HBT0216 | HBT0216BK |
| | 18" (457) ●●●●●● | 70 | 23 | 9 | 4 | HBT0218 | HBT0218BK |
| | 20" (508) ●●●●●●● | 73 | 25 | 9 | 5 | HBT0220 | HBT0220BK |
| | 22" (559) ●●●●●●●● | 73 | 27 | 12 | 5 | HBT0222 | HBT0222BK |
| | 24" (610) ●●●●●●●●● | 75 | 31 | 12 | 5 | HBT0224 | HBT0224BK |
| | 26" (660) ●●●●●●●●●● | 73 | 33 | 13 | 6 | HBT0226 | HBT0226BK |
| | 28" (711) ●●●●●●●●●●● | 73 | 35 | 14 | 6 | HBT0228 | HBT0228BK |
| | 30" (762) ●●●●●●●●●●●● | 70 | 38 | 15 | 6 | HBT0230 | HBT0230BK |
| | 32" (813) ●●●●●●●●●●●●● | 70 | 39 | 16 | 6 | HBT0232 | HBT0232BK |
| | 4" Deep Tray | 4" (102) ● | 49 | 12 | 2 | 4 | HBT0404 |
| 6" (152) ●● | | 49 | 13 | 3 | 5 | HBT0406 | HBT0406BK |
| 8" (203) ●●● | | 78 | 15 | 4 | 6 | HBT0408 | HBT0408BK |
| 12" (305) ●●●● | | 78 | 23 | 6 | 6 | HBT0412 | HBT0412BK |
| 16" (406) ●●●●● | | 108 | 27 | 7 | 7 | HBT0416 | HBT0416BK |
| 18" (457) ●●●●●● | | 116 | 29 | 9 | 7 | HBT0418 | HBT0418BK |
| 20" (508) ●●●●●●● | | 116 | 31 | 9 | 7 | HBT0420 | HBT0420BK |
| 22" (559) ●●●●●●●● | | 116 | 33 | 12 | 8 | HBT0422 | HBT0422BK |
| 6" Deep Tray | 8" (203) ●● | 116 | 23 | 4 | 6 | HBT0608 | HBT0608BK |
| | 12" (305) ●●● | 123 | 27 | 6 | 6 | HBT0612 | HBT0612BK |
| | 16" (406) ●●●● | 123 | 31 | 7 | 7 | HBT0616 | HBT0616BK |
| | 18" (457) ●●●●● | 127 | 33 | 9 | 7 | HBT0618 | HBT0618BK |
| | 20" (508) ●●●●●● | 127 | 35 | 9 | 7 | HBT0620 | HBT0620BK |
| | 22" (559) ●●●●●●● | 127 | 37 | 12 | 8 | HBT0622 | HBT0622BK |
| 8" Deep Tray | 8" (203) ●● | 116 | 27 | 4 | 8 | HBT0808 | HBT0808BK |
| | 12" (305) ●●● | 116 | 31 | 6 | 8 | HBT0812 | HBT0812BK |
| | 16" (406) ●●●● | 116 | 35 | 7 | 9 | HBT0816 | HBT0816BK |
| | 18" (457) ●●●●● | 116 | 37 | 9 | 9 | HBT0818 | HBT0818BK |
| | 20" (508) ●●●●●● | 116 | 39 | 9 | 9 | HBT0820 | HBT0820BK |



.0078125 sq. inch
"Round" Wire Design

● UL Classified/cUL Classified as equipment ground conductor.
● 5mm diameter round wire. (All others are 6mm diameter round wire.)
Note: All dimensions are +/- 0.25". Custom paint colors available in addition to Black Powder Coat (Contact Hubbell).

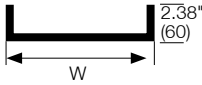
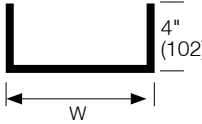
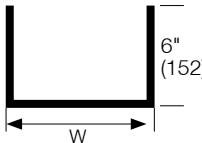
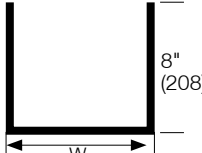
Flat Style Wire Basket Tray

Flat Cross-Wire Design



Features

- Flat shaped cross-wires provide significantly more surface area to support weight of cables
- Flat ribs provide 400% more surface area and reduce stress on cables by 60%
- 100% recycled steel
- 2" x 4" mesh opening
- Reduction in stress helps maintain Cat 6 and Cat 6A performance
- Cuts and configures the same as round wire tray
- Uses the same splicing and mounting hardware as round wire tray

| 10 Feet per Length 118.312" (3m) 10 pc. min. order qty. | Width | Load (Lb/ft) | Weight per Length (Lb) | Splice Quantity | | Finish | |
|---|-------------|-----------------|---------------------------------|--------------------|--------------------|--------------------|----------------------|
| | | | | 90° Sweep Elbow | Straight Splice | Pre- Galvanized | Black Powder Coat |
| 2" Deep Tray  | 4" (102) | 45 | 7 | 2 | 2 | HBT0204S | HBT0204SBK |
| | 6" (152) • | 50 | 9 | 3 | 4 | HBT0206S | HBT0206SBK |
| | 8" (203) • | 52 | 10.5 | 4 | 4 | HBT0208S | HBT0208SBK |
| | 12" (305) • | 58 | 12 | 6 | 4 | HBT0212S | HBT0212SBK |
| | 16" (406) • | 70 | 15 | 7 | 4 | HBT0216S | HBT0216SBK |
| | 18" (457) • | 70 | 23 | 9 | 4 | HBT0218S | HBT0218SBK |
| | 20" (508) • | 73 | 25 | 9 | 5 | HBT0220S | HBT0220SBK |
| | 22" (559) | 73 | 27 | 12 | 5 | HBT0222S | HBT0222SBK |
| | 24" (610) • | 75 | 31 | 12 | 5 | HBT0224S | HBT0224SBK |
| | 26" (660) | 73 | 33 | 13 | 6 | HBT0226S | HBT0226SBK |
| | 28" (711) | 73 | 35 | 14 | 6 | HBT0228S | HBT0228SBK |
| | 30" (762) | 70 | 38 | 15 | 6 | HBT0230S | HBT0230SBK |
| | 32" (813) | 70 | 39 | 16 | 6 | HBT0232S | HBT0232SBK |
| 4" Deep Tray  | 4" (102) | 49 | 12 | 2 | 4 | HBT0404S | HBT0404SBK |
| | 6" (152) • | 49 | 13 | 3 | 5 | HBT0406S | HBT0406SBK |
| | 8" (203) • | 78 | 15 | 4 | 6 | HBT0408S | HBT0408SBK |
| | 12" (305) • | 78 | 23 | 6 | 6 | HBT0412S | HBT0412SBK |
| | 16" (406) • | 108 | 27 | 7 | 7 | HBT0416S | HBT0416SBK |
| | 18" (457) • | 116 | 29 | 9 | 7 | HBT0418S | HBT0418SBK |
| | 20" (508) • | 116 | 31 | 9 | 7 | HBT0420S | HBT0420SBK |
| | 22" (559) | 116 | 33 | 12 | 8 | HBT0422S | HBT0422SBK |
| 6" Deep Tray  | 8" (203) • | 116 | 23 | 4 | 6 | HBT0608S | HBT0608SBK |
| | 12" (305) • | 123 | 27 | 6 | 6 | HBT0612S | HBT0612SBK |
| | 16" (406) • | 123 | 31 | 7 | 7 | HBT0616S | HBT0616SBK |
| | 18" (457) • | 127 | 33 | 9 | 7 | HBT0618S | HBT0618SBK |
| | 20" (508) • | 127 | 35 | 9 | 7 | HBT0620S | HBT0620SBK |
| | 22" (559) • | 127 | 37 | 12 | 8 | HBT0622S | HBT0622SBK |
| | 24" (610) • | 150 | 39 | 12 | 8 | HBT0624S | HBT0624SBK |
| 8" Deep Tray  | 8" (203) • | 116 | 27 | 4 | 8 | HBT0808S | HBT0808SBK |
| | 12" (305) • | 116 | 31 | 6 | 8 | HBT0812S | HBT0812SBK |
| | 16" (406) • | 116 | 35 | 7 | 9 | HBT0816S | HBT0816SBK |
| | 18" (457) • | 116 | 37 | 9 | 9 | HBT0818S | HBT0818SBK |
| | 20" (508) • | 116 | 39 | 9 | 9 | HBT0820S | HBT0820SBK |

Field Configurable Fittings

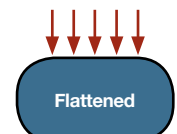
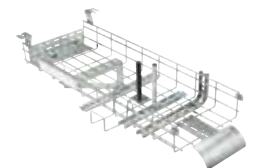


90° Sweep Elbow
Use appropriate quantity of splice Kits



Tee Fitting
Use one HBTCS corner splice per each

Supports and Hardware



.03125 sq. inch
"Flat" Wire Design

•UL Classified/cUL Classified as equipment ground conductor.
Note: All dimensions are +/- 0.25". Custom paint colors available in addition to Black Powder Coat (Contact Hubbell).

Stainless Steel Wire Basket Tray

Round Cross-Wire Design



Features

- Type 304L and 316S Stainless Steel
- Meets ASTM A580 specifications
- Stainless splice kits and ceiling supports are available

Applications

- Food processing
- Wash down areas
- Corrosive environments
- Outdoor installations
- Marine

Stainless Steel Accessories Available

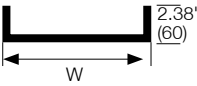


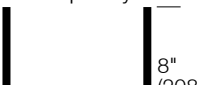


HBTSKSS
Splice Kits



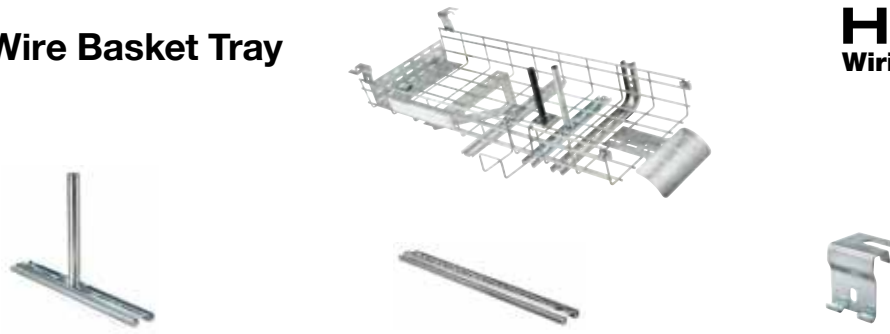
HBTCLGyySS
Ceiling Support
(yy = width of tray)

Use standard galvanized or painted supports and hardware.

| 10 Feet per Length 118.312" (3m) 10 pc. min. order qty. | Width | Load (Lb/ft) | Weight per Length (Lb) | Splice Quantity | | Round | |
|---|-----------|-----------------|---------------------------------|--------------------|--------------------|-------------------|-------------------|
| | | | | 90° Sweep Elbow | Straight Splice | Type 304L | Type 316S |
| 2" Deep Tray  | 4" (102) | 45 | 7 | 2 | 2 | HBT0204S04 | HBT0204S16 |
| | 6" (152) | 50 | 9 | 3 | 4 | HBT0206S04 | HBT0206S16 |
| | 8" (203) | 52 | 10.5 | 4 | 4 | HBT0208S04 | HBT0208S16 |
| | 12" (305) | 58 | 12 | 6 | 4 | HBT0212S04 | HBT0212S16 |
| | 16" (406) | 70 | 15 | 7 | 4 | HBT0216S04 | HBT0216S16 |
| | 18" (457) | 70 | 23 | 9 | 4 | HBT0218S04 | HBT0218S16 |
| | 20" (508) | 73 | 25 | 9 | 5 | HBT0220S04 | HBT0220S16 |
| | 22" (559) | 73 | 27 | 12 | 5 | HBT0222S04 | HBT0222S16 |
| | 24" (610) | 75 | 31 | 12 | 5 | HBT0224S04 | HBT0224S16 |
| | 26" (660) | 73 | 33 | 13 | 6 | HBT0226S04 | HBT0226S16 |
| | 28" (711) | 73 | 35 | 14 | 6 | HBT0228S04 | HBT0228S16 |
| | 30" (762) | 70 | 38 | 15 | 6 | HBT0230S04 | HBT0230S16 |
| | 32" (813) | 70 | 39 | 16 | 6 | HBT0232S04 | HBT0232S16 |
| 4" Deep Tray  | 4" (102) | 49 | 12 | 2 | 4 | HBT0404S04 | HBT0404S16 |
| | 6" (152) | 49 | 13 | 3 | 5 | HBT0406S04 | HBT0406S16 |
| | 8" (203) | 78 | 15 | 4 | 6 | HBT0408S04 | HBT0408S16 |
| | 12" (305) | 78 | 23 | 6 | 6 | HBT0412S04 | HBT0412S16 |
| | 16" (406) | 108 | 27 | 7 | 7 | HBT0416S04 | HBT0416S16 |
| | 18" (457) | 116 | 29 | 9 | 7 | HBT0418S04 | HBT0418S16 |
| | 20" (508) | 116 | 31 | 9 | 7 | HBT0420S04 | HBT0420S16 |
| | 22" (559) | 116 | 33 | 12 | 8 | HBT0422S04 | HBT0422S16 |
| | 24" (610) | 116 | 35 | 12 | 8 | HBT0424S04 | HBT0424S16 |
| 6" Deep Tray  | 8" (203) | 116 | 23 | 4 | 6 | HBT0608S04 | HBT0608S16 |
| | 12" (305) | 123 | 27 | 6 | 6 | HBT0612S04 | HBT0612S16 |
| | 16" (406) | 123 | 31 | 7 | 7 | HBT0616S04 | HBT0616S16 |
| | 18" (457) | 127 | 33 | 9 | 7 | HBT0618S04 | HBT0618S16 |
| | 20" (508) | 127 | 35 | 9 | 7 | HBT0620S04 | HBT0620S16 |
| | 22" (559) | 127 | 37 | 12 | 8 | HBT0622S04 | HBT0622S16 |
| | 24" (610) | 150 | 39 | 12 | 8 | HBT0624S04 | HBT0624S16 |
| 8" Deep Tray  | 8" (203) | 116 | 27 | 4 | 8 | HBT0808S04 | HBT0808S16 |
| | 12" (305) | 116 | 31 | 6 | 8 | HBT0812S04 | HBT0812S16 |
| | 16" (406) | 116 | 35 | 7 | 9 | HBT0816S04 | HBT0816S16 |
| | 18" (457) | 116 | 37 | 9 | 9 | HBT0818S04 | HBT0818S16 |
| | 20" (508) | 116 | 39 | 9 | 9 | HBT0820S04 | HBT0820S16 |

Note: All dimensions are +/- 0.25".

Accessories for Wire Basket Tray



Supports*

| Width | Center Support | | | Ceiling Support | | | Trapeze Support | | |
|-----------|----------------|------------------|-----------------|-----------------|------------------|------------------|-----------------|-------------|---|
| | Qty. per Box | Weight (Lb/each) | Catalog No. | Qty. per Box | Weight (Lb/each) | Catalog No. | Qty. per Box | Weight (Lb) | Catalog No. |
| 4" (102) | 1 | 1.6 | HBCTRS4 | – | – | – | 50 | 9.0/box | HBTT5 Attaches to the side of the tray; for tray sizes 16" wide and smaller; use in pairs |
| 6" (152) | 1 | 1.8 | HBCTRS6 | – | – | – | | | |
| 8" (203) | 1 | 2 | HBCTRS8 | – | – | – | | | |
| 12" (305) | 1 | 2.7 | HBCTRS12 | 1 | 1.1 | HBCTCLS12 | | | |
| 16" (406) | 1 | 3.3 | HBCTRS16 | 1 | 1.5 | HBCTCLS16 | | | |
| 18" (457) | 1 | 3.4 | HBCTRS18 | 1 | 1.6 | HBCTCLS18 | | | |
| 20" (508) | 1 | 3.8 | HBCTRS20 | 1 | 1.9 | HBCTCLS20 | | | |
| 24" (610) | 1 | 4.4 | HBCTRS24 | 1 | 1.9 | HBCTCLS24 | | | |



Brackets*

| Width | L-Bracket | | | C-Bracket | | | Shelf Support | | |
|-----------|--------------|------------------|----------------|--------------|------------------|----------------|---------------|------------------|----------------|
| | Qty. per Box | Weight (Lb/each) | Catalog No. | Qty. per Box | Weight (Lb/each) | Catalog No. | Qty. per Box | Weight (Lb/each) | Catalog No. |
| 4" (102) | 1 | 0.7 | HBTLB4 | 1 | 1.2 | HBTCB4 | 1 | 0.4 | HBTSS4 |
| 6" (152) | 1 | 0.8 | HBTLB6 | – | – | – | 1 | 0.5 | HBTSS6 |
| 8" (203) | 1 | 0.9 | HBTLB8 | 1 | 1.5 | HBTCB8 | 1 | 0.6 | HBTSS8 |
| 12" (305) | 1 | 1.4 | HBTLB12 | 1 | 2.0 | HBTCB12 | 1 | 1.2 | HBTSS12 |
| 16" (406) | 1 | 1.5 | HBTLB16 | – | – | – | 1 | 1.7 | HBTSS16 |
| 18" (457) | 1 | 1.7 | HBTLB18 | 1 | 2.7 | HBTCB18 | 1 | 1.9 | HBTSS18 |
| 20" (508) | 1 | 2.1 | HBTLB20 | – | – | – | 1 | 2.6 | HBTSS20 |
| 24" (610) | 1 | 2.3 | HBTLB24 | – | – | – | 1 | 3.2 | HBTSS24 |

Accessories*

| Description | Tray Width | Qty. per Box | Weight (Lb/each) | Catalog No. | |
|---|------------|--------------|------------------|----------------|--|
| Radius Down Increases cable protection and cable bend control | 4" (102) | 1 | 2.5 | HBTRD4 | |
| | 6" (152) | 1 | 3.75 | HBTRD6 | |
| | 12" (305) | 1 | 7.5 | HBTRD12 | |
| Vertical Down Protects cables when dropping from the end or side of tray | 7¾" (102) | 1 | 1.5 | HBTVD | |
| Label Clip Attachment for all sizes of tray | | 1 | 0.1 | HBTLCL | |
| Cable Guide Maintains cable bend radius and acts as a divider for straight sections and fittings | | 1 | 1.0 | HBTCG | |
| Electrical Box Bracket Attaches electrical box to side of tray | | 1 | 0.75 | HBTEB | |
| Sidecar Attaches to outside of tray, provides additional cable support 2" deep | | 1 | 0.5 | HBTSC | |

*Catalog numbers shown are for pre-galvanized accessories. Add "BK" to the end of the part number for Black Finish.

Accessories for Wire Basket Tray



Termination Support*

Secures end of tray to wall and can serve as blank end fitting; 1 piece per box

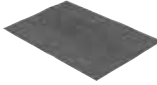
| Tray Width | Weight (Lb/each) | Catalog No. |
|------------|------------------|-----------------|
| 6" (152) | 0.75 | HBTTTS6 |
| 8" (203) | 1.0 | HBTTTS8 |
| 12" (305) | 1.2 | HBTTTS12 |
| 16" (406) | 1.4 | HBTTTS16 |
| 18" (457) | 1.6 | HBTTTS18 |
| 20" (508) | 1.75 | HBTTTS20 |
| 24" (610) | 2.0 | HBTTTS24 |



Polymer Inserts, Black

Provides a solid bottom for tray; 10 feet length per piece; 1 piece per box

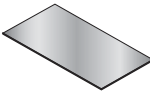
| Tray Width | Length | Weight (Lb/each) | Catalog No. |
|------------|-------------|------------------|-------------------|
| 4" (102) | 118" (3000) | 0.5 | HBTINSNM04 |
| 6" (152) | 118" (3000) | 0.65 | HBTINSNM06 |
| 8" (203) | 118" (3000) | 0.75 | HBTINSNM08 |
| 12" (305) | 118" (3000) | 1.0 | HBTINSNM12 |
| 16" (406) | 118" (3000) | 1.25 | HBTINSNM16 |
| 18" (457) | 118" (3000) | 1.5 | HBTINSNM18 |
| 20" (508) | 118" (3000) | 1.75 | HBTINSNM20 |
| 24" (610) | 118" (3000) | 2.25 | HBTINSNM24 |



Galvanized Steel Inserts*

Provides a solid bottom for tray; 5 feet length per piece; 1 piece per box

| Tray Width | Length | Weight (Lb/each) | Catalog No. |
|------------|------------|------------------|------------------|
| 4" (102) | 59" (1500) | 3.5 | HBTINSM04 |
| 6" (152) | 59" (1500) | 5.0 | HBTINSM06 |
| 8" (203) | 59" (1500) | 7.0 | HBTINSM08 |
| 12" (305) | 59" (1500) | 11.0 | HBTINSM12 |
| 16" (406) | 59" (1500) | 13.5 | HBTINSM16 |
| 18" (457) | 59" (1500) | 16.5 | HBTINSM18 |
| 20" (508) | 59" (1500) | 18.0 | HBTINSM20 |
| 24" (610) | 59" (1500) | 20.0 | HBTINSM24 |



Attachments*

1 piece per box

| Description | Weight (Lb/each) | Catalog No. |
|--|------------------|-----------------|
| Fitting Attachment, 2" Fills the gap in 2" tray when creating fittings | 1.0 | HBTF A2 |
| Fitting Attachment, 4" to 6" Fill the gap in 4" or 6" tray when creating fittings | 1.0 | HBTF A46 |
| Rack Attachment Attaches tray directly to the top of a standard rack | 1.0 | HBTR A |
| Conduit Attachment Connects conduit to tray (1/2", 3/4" and 1" conduit) | 1.5 | HBTC A3 |



Galvanized Steel Covers*

5 feet length per piece; 1 piece per box

| Tray Width | Length | Weight (Lb/each) | Catalog No. |
|------------|------------|------------------|-----------------|
| 4" (102) | 59" (1500) | 3.0 | HBTCVR4 |
| 6" (152) | 59" (1500) | 3.5 | HBTCVR6 |
| 8" (203) | 59" (1500) | 4.5 | HBTCVR8 |
| 12" (305) | 59" (1500) | 6.0 | HBTCVR12 |
| 16" (406) | 59" (1500) | 8.0 | HBTCVR16 |
| 18" (457) | 59" (1500) | 8.5 | HBTCVR18 |
| 20" (508) | 59" (1500) | 9.5 | HBTCVR20 |
| 24" (610) | 59" (1500) | 11.0 | HBTCVR24 |



Galvanized Steel Dividers*

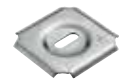
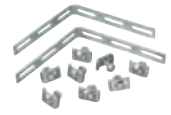
Bolt and nut to secure to support bracket (sold separately); 5 feet length per piece; 1 piece per box

| For use with tray | Length | Weight (Lb/each) | Catalog No. |
|-------------------|--------|------------------|----------------|
| 2" deep | 60" | 2.0 | HBTDIV2 |
| 4" deep | 60" | 5.0 | HBTDIV4 |
| 6" deep | 60" | 7.5 | HBTDIV6 |
| 8" deep | 60" | 10.0 | HBTDIV8 |



Splice Hardware*

| Description | Weight (Lb) | Catalog No. |
|---|-------------|---------------|
| Splice Kit 3 piece staked bolt/washer and nut combination; Splices straight sections and field formed fittings; 50 pieces per box | 5.0/box | HBTSK |
| Bar Splice Slotted bar 11-15/16" long; Splices straight sections and fittings; Bend to form tray reducers; Adds rigidity to tray splices; 50 pieces per box | 14.0/box | HBTBS |
| Corner Splice (2) 90° splice bars and (8) sets of the splice kit Splices Fittings Use one per each Tee Fitting; Use two per each Cross Fitting | 1.0 each | HBTC S |
| Washer Support Splices straight sections and fittings and can also be used as a hold down method for tray to strut (Nut and bolt provided separately); 50 pieces per box | 6.0/box | HBTWS |



*Catalog numbers shown are for pre-galvanized accessories. Add "BK" to the end of the part number for Black Finish.

Specifications

Wire Mesh Basket Tray Product Specifications

2.01 ACCEPTABLE MANUFACTURES

1. Manufacturer: Subject to compliance with these specifications, wire basket tray systems to be installed shall be Hubbell "HBT" series.

2.02 WIRE TRAY SECTIONS AND COMPONENTS

1. Provide wire basket of types and sizes indicated; with all required splicing and mounting hardware. Construct units with T-weld edges and smooth surfaces; in compliance with applicable standards; and with the following additional construction features.
 - A. All straight section longitudinal wires shall be constructed with a continuous top wire safety edge. Safety edge must be T-welded on all tray sizes.
 - B. Wire basket cross-wire to be constructed with either flat shaped wire design or with round wire design, as directed by engineer.
 - Flat shaped cross wire design shall provide additional surface area for cable weight support and to avoid pressure points and strain on cables.
 - Round shaped cross wire design may be used in general purpose applications where cable weight and strain are not concerns.
2. Materials and Finishes: Material and finish specifications for Carbon Steel Wire and Pre-Galvanized steel wire are as follows:
 - A. Pre-galvanized Zinc: Straight section shall be made from pre-galvanized steel meeting the minimum mechanical properties of ASTM A 641. Material must be cleaned after fabrication to remove any soot, manufacturing residue/oils, or metallic particles.
 - B. Powder Coat: Straight sections shall be powder coated black with an average paint thickness of 1.2mils (30microns) to 3.0mils (75microns). Hubbell powder coat product is masked at splice points to allow conductive ground design; no field paint removal is required.
 - C. Stainless Steel: Straight sections and accessories shall be made from AISI Type 304L, 316L Stainless Steel (meeting the minimum mechanical properties of ASTM A 580).
 - D. Electro-Plated Zinc Galvanized (Post Plated) Made from Carbon Steel and plated to ASTM B 633, Type III, SC-1.
3. Wire basket shall be made of high strength steel wires and formed into a standard 2 inch by 4 inch wire mesh pattern with intersecting wires welded together. All mesh sections must have at least one bottom longitudinal wire along entire length of straight section.
4. Wire basket sizes shall conform to the following nominal criteria:
 - A. Straight sections shall be furnished in standard 118 inch lengths.
 - B. Wire diameter shall be 0.195" (5mm) minimum on all mesh sections up to 16 linear inches. Wire diameter line wire shall be 0.234" (6mm) minimum on all mesh sections in excess of 16 linear inches. Wire diameter shall be minimum size of 4.5mm on stainless steel.
 - C. Wire basket shall have a 2-inch usable loading depth by (4), (6), (8), (10), (12), (14), (16), (18), (20), (22), (24), (26), (28), (30), (32) inches wide.
 - D. Wire basket shall have a 4-inch usable loading depth (4), (6), (8), (10), (12), (14), (16), (18), (20), (22), (24), (26), (28) inches wide.
 - E. Wire basket shall have a 6 inch usable loading depth by (8), (10), (12), (14), (16), (18), (20), (22), (24) inches wide.
 - F. Wire basket shall have an 8 inch usable loading depth by (8), (10), (12), (14), (16), (18), (20) inches wide
5. All fittings shall be field formed, from straight sections, in accordance with manufacturer's instructions.
6. All Tray sections and splicing assemblies shall be UL/C-UL Classified as an Equipment Ground Conductor (EGC).
7. Wire mesh basket tray supports shall be ceiling trapeze type, center support, trapeze clips, or wall brackets as manufactured by Hubbell.
8. Special accessories shall be furnished as required to protect, support and install a wire basket support system.



Wire Basket Tray Technical Support

Cutting and Forming Fittings

Cutting Wire Basket Tray

- Always make field cuts with the side action angle cutting tool
- Cuts can be made on any finish, width or depth basket tray
- Cut as many segments required for sweep elbows (see Splice Quantity column on product pages)
- Remove any sharp edges to eliminate possible damage to cables



Cutting Tool

| Description | Weight (Lb/each) | Qty. per Box | Catalog No. |
|---|------------------|--------------|-------------------|
| Manual offset angled cutting tool, 24" leveraged handle | 6.0 | 1 | HBTCUTTOOL |

How to Form a 90° Flat Sweep Elbow

- Determine which wires must be cut for the type of fitting or redirection required. This will usually be the side and bottom wires of every other mesh section.
- Cut the top side wire first.
- Cut the remaining side wires.
- Turn the tray over and cut the bottom wires.
- This creates open gaps in the side wall and bottom of the tray.
- Bend the tray to form the desired elbow radius curve by closing the gaps.
- Install splice kits and hardware where the wedge-shaped sections come together.
- Splice kits provide the mechanical connection, as well as electrical grounding continuity.



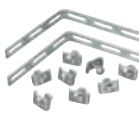




How to Form a Tee Fitting

- Determine the location of the horizontal "tee" fitting along the length of basket tray.
- Cut the side wires from the tray which shall be the horizontal tray section, to the same width as the perpendicular tray section.
- Do not cut the bottom wires.
- Align the perpendicular tray to the opening in the side of the horizontal tray.
- Position one angle bracket from the HBTCS corner splice kit on each side of the opening.
- Secure the angle brackets to the horizontal and perpendicular tray sections with splice kits (nut, bolt, and washer) provided in the HBTCS corner splice kit.
- Support the tee fitting on all three sides of the tee using appropriate support method.



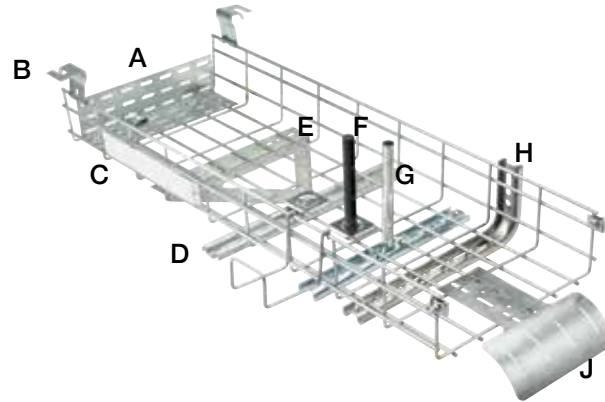
Splice Hardware

| Description | Weight (Lb) | Catalog No. |
|---|-------------|---|
| Splice Kit 3 piece staked bolt/washer and nut combination; Splices straight sections and field formed fittings; 50 pieces per box | 5.0/box | HBTSK  |
| Bar Splice Slotted bar 11-15/16" long; Splices straight sections and fittings; Bend to form tray reducers; Adds rigidity to tray splices; 50 pieces per box | 14.0/box | HBTBS  |
| Corner Splice (2) 90° splice bars and (8) sets of the splice kit Splices Fittings Use one per each Tee Fitting; Use two per each Cross Fitting | 1.0 each | HBTCs  |
| Washer Support Splices straight sections and fittings and can also be used as a hold down method for tray to strut (Nut and bolt provided separately); 50 pieces per box | 6.0/box | HBTWS  |
| Grounding Kit Provides additional supplemental grounding for basket tray splices. May be specified in addition to the standard method of splicing basket tray using HBTsk splice kits. Kit includes five 9" #6 AWG copper leads and ten split bolts. | 1.5 each | HBtGRDKIT  |

Wire Basket Tray: Create a Bill of Material



- A Termination Support
- B Trapeze Clips
- C Label Clip
- D Ceiling Support
- E Shelf Support



- F Cable Guide
- G Center Support
- H L-Bracket
- I Splice Kit
- J Vertical Down

Job Name: _____

Location: _____

Date: _____

| | | | | | | | |
|--|--------------|--|-----------|--|-----|--|------|
| I. Tray Size Depth (inches): _____ Width (inches): _____ Total linear feet: _____ Total feet/10 = pieces: _____ | Fill in info | II. Finish Pre-galvanized: <input type="checkbox"/> Painted black: <input type="checkbox"/> Stainless steel: <input type="checkbox"/> Electro-zinc plated: <input type="checkbox"/> Custom color paint: <input type="checkbox"/> | Check One | III. Fittings 90° sweep elbow: _____ Tee fitting: _____ Cross-X fitting: _____ 45° sweep elbow: _____ Reducer: _____ | QTY | IV. Splices Splice kits: _____ Corner splice: _____ Washer support: _____ Bar splice: _____ | QTY* |
|--|--------------|--|-----------|--|-----|--|------|

| | | | | | | | |
|---|-----|--|-----|---|-----|--|-----|
| V. Supports (6ft spacing) Ceiling: _____ Center: _____ Trapeze clips (use in pairs): _____ Wall bracket: _____ Termination support: _____ Field fabricated from strut: _____ | QTY | VI. Cable management Vertical down: _____ Radius down: _____ Cable guide: _____ Side car: _____ | QTY | VII. Attachment hardware Termination support or blank end: _____ Electrical box bracket: _____ Fitting attachment: _____ Rack attachment: _____ Conduit attachment: _____ | QTY | VIII. Tray accessories Steel divider: _____ Steel cover: _____ Steel bottom insert: _____ Polymer bottom insert: _____ Label clip: _____ | QTY |
|---|-----|--|-----|---|-----|--|-----|

*See product selection tables for quantities of splices. These are dependent upon tray size. Additional splices required for fittings.

Hubbell Delivery Systems Product Solutions



Recessed 6" and 8" Fire-Rated Poke-Throughs

Hubbell's SystemOne 6" and 8" Fire-Rated Poke-Throughs combine enhanced capacity with flexibility to accommodate changing user requirements for power, data and audio video connections.

These enhanced capacity FRPTs reduce the number of units required and the associated labor to serve user requirements.



CONNEXION

Hubbell CONNEXION Zone Distribution System is a factory assembled modular plug-n-play system that delivers power and data to the workstation in raised floor installations.



Pre-Wired Raceway

Available in aluminum, steel and non-metallic versions, Hubbell's pre-wired raceway systems keep your projects on schedule, reduce on-site labor and waste. Our local sales team is available to support your efforts.

Hubbell Installation Efficiency Solutions



Comprehensive Efficiency Offering

Hubbell's Installation Efficiency Brochure overviews a wide array of Hubbell solutions that enhance productivity and reduce labor for commercial construction and major renovations.



SNAPConnect® Modular Devices

Hubbell's SNAPConnect offers the latest in innovative design, to save time and money, while delivering a safe, reliable and durable connection. SNAPConnect reduces labor costs during the initial installation and also provides future labor savings if device replacement or upgrade is ever required.

Literature Support

Hubbell offers an extensive literature library for product support. Downloadable PDFs are available online at www.hubbell-wiring.com under the Media tab.



www.hubbell-wiring.com



Hubbell Wiring Device-Kellems, Your Complete Online Resource

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