

## NON-INSULATED FLAG TERMINALS



| STUD SIZE | WIRE SIZE |       |       |         |        |      |      |        |         |         |         |
|-----------|-----------|-------|-------|---------|--------|------|------|--------|---------|---------|---------|
|           | 22-16     | 16-14 | 12-10 | 8       | 6      | 4    | 2    | 1/0    | 2/0     | 3/0     | 4/0     |
| 8         | AFG4      | BFG4  | -     | -       | -      | -    | -    | -      | -       | -       | -       |
| 10        | AFG5      | BFG5  | DFG5  | FG85    | FG65/J | -    | -    | -      | -       | -       | -       |
| 1/4"      | -         | BFG6  | DFG6  | FG86    | FG66   | FG46 | FG26 | FG1/06 | -       | -       | -       |
| 5/16"     | -         | -     | -     | FG88    | FG68   | FG48 | FG28 | FG1/08 | FG2/08  | FG3/08  | FG4/08  |
| 3/8"      | -         | -     | -     | FG89    | FG69   | FG49 | FG29 | FG1/09 | FG2/09  | FG3/09  | FG4/09  |
| 1/2"      | -         | -     | -     | -       | -      | -    | -    | -      | FG2/013 | FG3/013 | FG4/013 |
| 3/4"      | -         | -     | -     | 4/019R1 | -      | -    | -    | -      | -       | -       | -       |

## 26-22 AWG SPADE TERMINALS



| STUD SIZE | NON-INSULATED | VINYL | VINYL W/ SUPPORT SLEEVE | NYLON W/ SUPPORT SLEEVE | NYLON      | HIGH TEMP 650°F | HIGH TEMP 900°F | HEAT SHRINK |
|-----------|---------------|-------|-------------------------|-------------------------|------------|-----------------|-----------------|-------------|
| 4         | E3A           | -     | -                       | -                       | -          | -               | -               | -           |
| 6         | E3.7A         | -     | -                       | -                       | EFND3.7A/J | -               | -               | -           |
| 8         | E4A           | -     | -                       | -                       | EFND4A/J   | -               | -               | -           |

## 22-16 AWG SPADE TERMINALS



| STUD SIZE | NON-INSULATED | VINYL     | VINYL W/ SUPPORT SLEEVE | NYLON W/ SUPPORT SLEEVE | NYLON | HIGH TEMP 650°F | HIGH TEMP 900°F | HEAT SHRINK |
|-----------|---------------|-----------|-------------------------|-------------------------|-------|-----------------|-----------------|-------------|
| 4         | AM3A          | AFVLM3AR2 | AFVDM3A                 | AFNDM3A                 | -     | -               | -               | -           |
| 6         | AS3A          | AFVLS3AR2 | AFVDS3A                 | AFNDS3A                 | -     | -               | -               | AHS3A       |
| 8         | AS4A          | AFVLS4AR2 | AFVDS4A                 | AFNDS4A                 | -     | -               | -               | AHS4A       |
| 10        | AM5A          | AFVLM5AR2 | AFVDM5A                 | AFNDM5A                 | -     | -               | -               | AHS5A       |
| 1/4"      | A6A           | AFVL6AR2  | AFVD6A                  | AFND6A                  | -     | -               | -               | -           |

## 16-14 AWG SPADE TERMINALS



| STUD SIZE | NON-INSULATED | VINYL    | VINYL W/ SUPPORT SLEEVE | NYLON W/ SUPPORT SLEEVE | NYLON | HIGH TEMP 650°F | HIGH TEMP 900°F | HEAT SHRINK |
|-----------|---------------|----------|-------------------------|-------------------------|-------|-----------------|-----------------|-------------|
| 8         | B4A           | BFVL4AR2 | BFVD4A                  | BFND4A                  | -     | -               | -               | BHS4A       |
| 10        | B5A           | BFVL5AR2 | BFVD5A                  | BFND5A                  | -     | -               | -               | BHS5A       |
| 1/4"      | B6A           | BFVL6AR2 | BFVD6A                  | BFND6A                  | -     | -               | -               | -           |

# TERMINALS

TOR (TAPE ON REEL) AVAILABLE

## 12-10 AWG SPADE TERMINALS



| STUD SIZE | NON-INSULATED | VINYL     | VINYL W/ SUPPORT SLEEVE | NYLON W/ SUPPORT SLEEVE | NYLON | HIGH TEMP 650°F | HIGH TEMP 900°F | HEAT SHRINK |
|-----------|---------------|-----------|-------------------------|-------------------------|-------|-----------------|-----------------|-------------|
| 6         | DS3A          | DFVLS3AR2 | DFVDS3A                 | DFNDS3A                 | -     | -               | -               | -           |
| 8         | -             | DFVLS4AR2 | -                       | DFNDS4A                 | -     | -               | -               | DHS4A       |
| 10        | D5A           | DFVL5AR2  | DFVD5A                  | DFND5A                  | -     | -               | -               | DHS5A       |
| 1/4"      | D6A           | DFVL6AR2  | DFVD6A                  | DFND6A                  | -     | -               | -               | DHS6A       |

## 22-16 AWG FLANGED SPADE TERMINALS



| STUD SIZE | NON-INSULATED | VINYL     | VINYL W/ SUPPORT SLEEVE | NYLON W/ SUPPORT SLEEVE | NYLON | HIGH TEMP 650°F | HIGH TEMP 900°F | HEAT SHRINK |
|-----------|---------------|-----------|-------------------------|-------------------------|-------|-----------------|-----------------|-------------|
| 6         | AS3B          | AFVLS3BR2 | AFVDS3B                 | AFNDS3B                 | -     | -               | -               | -           |
| 8         | AS4B          | AFVLS4BR2 | AFVDS4B                 | AFNDS4B                 | -     | -               | -               | -           |
| 10        | AS5B          | -         | AFVDS5B                 | AFNDS5B                 | -     | -               | -               | -           |

## 16-14 AWG FLANGED SPADE TERMINALS



| STUD SIZE | NON-INSULATED | VINYL     | VINYL W/ SUPPORT SLEEVE | NYLON W/ SUPPORT SLEEVE | NYLON | HIGH TEMP 650°F | HIGH TEMP 900°F | HEAT SHRINK |
|-----------|---------------|-----------|-------------------------|-------------------------|-------|-----------------|-----------------|-------------|
| 6         | -             | BFVLS3BR2 | BFVDS3B                 | BFNDS3B                 | -     | -               | -               | -           |
| 8         | BS4B          | BFVLS4BR2 | BFVDS4B                 | BFNDS4B                 | -     | -               | -               | -           |
| 10        | BS5B          | BFVLS5BR2 | BFVDS5B                 | BFNDS5B                 | -     | -               | -               | -           |

## 12-10 AWG FLANGED SPADE TERMINALS



| STUD SIZE | NON-INSULATED | VINYL     | VINYL W/ SUPPORT SLEEVE | NYLON W/ SUPPORT SLEEVE | NYLON | HIGH TEMP 650°F | HIGH TEMP 900°F | HEAT SHRINK |
|-----------|---------------|-----------|-------------------------|-------------------------|-------|-----------------|-----------------|-------------|
| 6         | DS3B          | DFVLS3BR2 | DFVDS3B                 | DFNDS3B                 | -     | -               | -               | -           |
| 8         | DS4B          | -         | DFVDS4B                 | DFNDS4B                 | -     | -               | -               | -           |
| 10        | -             | -         | DFVDS5B                 | DFNDS5B                 | -     | -               | -               | -           |

## 22-16 AWG LOCKING SPADE TERMINALS



| STUD SIZE | NON-INSULATED | VINYL     | VINYL W/ SUPPORT SLEEVE | NYLON W/ SUPPORT SLEEVE | NYLON | HIGH TEMP 650°F | HIGH TEMP 900°F | HEAT SHRINK |
|-----------|---------------|-----------|-------------------------|-------------------------|-------|-----------------|-----------------|-------------|
| 6         | AWS3LST       | AFVL3LSR2 | AFVD3LST                | AFND3LSR2               | -     | -               | -               | -           |
| 8         | AWS4LST       | AFVL4LSR2 | AFVD4LST                | AFND4LSR2               | -     | -               | -               | -           |
| 10        | AWS5LST       | AFVL5LSR2 | AFVD5LST                | AFND5LSR2               | -     | -               | -               | -           |

## 16-14 AWG LOCKING SPADE TERMINALS



| STUD SIZE | NON-INSULATED | VINYL     | VINYL W/ SUPPORT SLEEVE | NYLON W/ SUPPORT SLEEVE | NYLON | HIGH TEMP 650°F | HIGH TEMP 900°F | HEAT SHRINK |
|-----------|---------------|-----------|-------------------------|-------------------------|-------|-----------------|-----------------|-------------|
| 6         | BWS3LST       | BFVL3LSR2 | BFVD3LST                | BFND3LSR2               | -     | -               | -               | -           |
| 8         | -             | BFVL4LSR2 | BFVD4LST                | BFND4LSR2               | -     | -               | -               | -           |
| 10        | BWS5LST       | BFVL5LSR2 | BFVD5LST                | BFND5LSR2               | -     | -               | -               | -           |

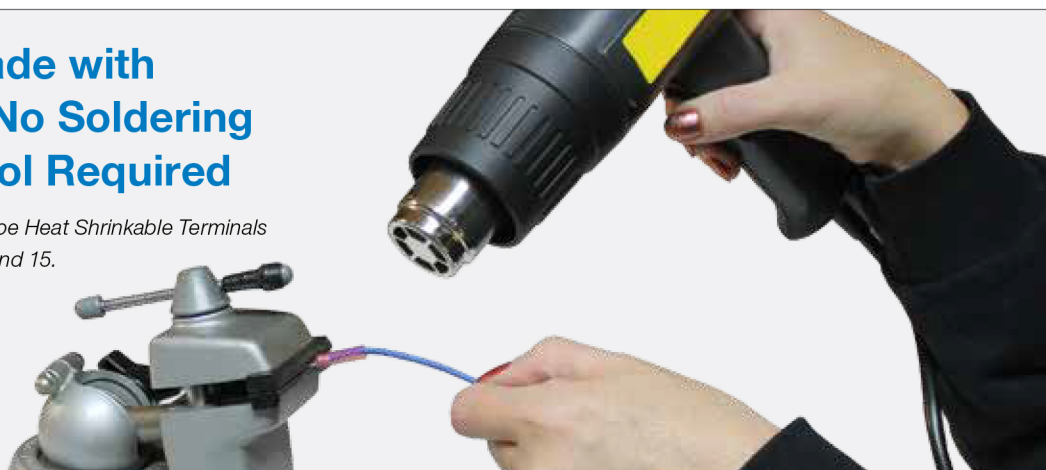
## 12-10 AWG LOCKING SPADE TERMINALS



| STUD SIZE | NON-INSULATED | VINYL     | VINYL W/ SUPPORT SLEEVE | NYLON W/ SUPPORT SLEEVE | NYLON | HIGH TEMP 650°F | HIGH TEMP 900°F | HEAT SHRINK |
|-----------|---------------|-----------|-------------------------|-------------------------|-------|-----------------|-----------------|-------------|
| 6         | DWS3LST       | DFVL3LSR2 | DFVD3LST                | DFND3LSR2               | -     | -               | -               | -           |
| 8         | DWS4LST       | DFVL4LSR2 | DFVD4LST                | DFND4LSR2               | -     | -               | -               | -           |
| 10        | DWS5LST       | DFVL5LSR2 | DFVD5LST                | DFND5LSR2               | -     | -               | -               | -           |

### Connection Made with a Heat Gun – No Soldering or Crimping Tool Required

*For more details on Soldering Type Heat Shrinkable Terminals and Connectors, see page 7, 8 and 15.*



Soldering Type Heat Shrinkable Terminals provide maximum pull out strength; maximum conductivity; a water tight seal; low temperature pre-fluxed solder ring and a crimp free design.

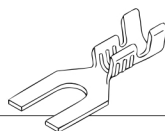
## SOLDERING TYPE HEAT SHRINKABLE SPADE TERMINALS



|   |   | PART NO.   | GAUGE     | COLOR  | DESCRIPTION |
|---|---|------------|-----------|--------|-------------|
|   | • | HELA220-02 | 22-24 AWG | CLEAR  | #2 Stud     |
|   | • | HELA220-04 | 22-24 AWG | CLEAR  | #4 Stud     |
|   | • | HELA220-06 | 22-24 AWG | CLEAR  | #6 Stud     |
| • | • | HELA216-10 | 18-20 AWG | RED    | #10 Stud    |
| • | • | HELA214-10 | 14-16 AWG | BLUE   | #10 Stud    |
| • | • | HELA210-10 | 10-12 AWG | YELLOW | #10 Stud    |

# TERMINALS

## SPADE TERMINALS — METAL STRIP MOUNTED

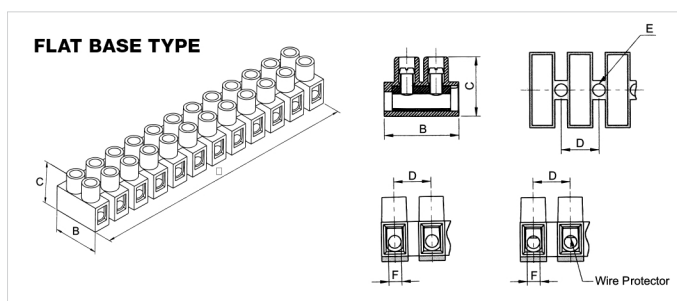


| WIRE SIZE | STUD SIZE | CRIMP TYPE | PART NO. |
|-----------|-----------|------------|----------|
| 20-16     | 6         | DOUBLE     | 22163AST |
| 20-16     | 8         | DOUBLE     | 22164AST |

## TERMINAL BLOCKS



Hoffman Products' Safe Wire Terminal Blocks are a high quality, cost saving method for wire termination. The "Safe Wire" feature is designed with a stainless steel plate that closes over the wire to eliminate breakage of the wire strands and creates a safe, secure connection. They are made from 6/6 nylon, making them durable, flame retardant and heat resistant. The blocks can be cut to specific requirements, saving time and money. Available in flat base, high base and high foot base construction.



| PART NO.      | CONSTRUCTION | WIRE RANGE | # OF POSITIONS | SCREW (ZINC PLATED) | DIMENSIONS (IN) |      |      |      |      |      |
|---------------|--------------|------------|----------------|---------------------|-----------------|------|------|------|------|------|
|               |              |            |                |                     | A               | B    | C    | D    | E    | F    |
| HB1820ABWP/12 | FLAT BASE    | 22-12      | 12             | M2.6 X 5            | 3.77            | 0.64 | 0.52 | 0.32 | 0.11 | 0.11 |
| HB141810WP/12 | FLAT BASE    | 22-12      | 12             | M3 X 6              | 4.63            | 0.8  | 0.62 | 0.39 | 0.14 | 0.13 |
| HB121012WP/12 | FLAT BASE    | 22-10      | 12             | M3.5 X 7            | 5.4             | 0.64 | 0.75 | 0.47 | 0.15 | 0.15 |
| HB813.5WP/12  | FLAT BASE    | 22-8       | 12             | M4 X P              | 6.22            | 1.01 | 0.99 | 0.53 | 0.17 | 0.19 |

## HOUSING FOR 110 TAB



| PART NO. | DESCRIPTION                       | USE WITH     |
|----------|-----------------------------------|--------------|
| F4110    | 4 Position Female Housing         | MI2216T110MS |
| F6110    | 6 Position Female Housing         | MI2216T110MS |
| F9110    | 9 Position Female Housing         | MI2216T110MS |
| M4110    | 4 Position Male Housing           | FI2216T110MS |
| M9110    | 9 Position Male Housing           | FI2216T110MS |
| F4110LK  | 4 Position Locking Female Housing | MI2216T110MS |
| F9110LK  | 9 Position Locking Female Housing | MI2216T110MS |
| M3110LK  | 3 Position Locking Male Housing   | FI2216T110MS |
| M4110LK  | 4 Position Locking Male Housing   | FI2216T110MS |
| M6110LK  | 6 Position Locking Male Housing   | FI2216T110MS |
| M9110LK  | 9 Position Locking Male Housing   | FI2216T110MS |

## HOUSING FOR 250 TAB



| PART NO. | DESCRIPTION                       | USE WITH     |
|----------|-----------------------------------|--------------|
| F4250    | 4 Position Female Housing         | MI2216T250MS |
| F6250    | 6 Position Female Housing         | MI2216T250MS |
| F8250    | 8 Position Female Housing         | MI2216T250MS |
| M4250    | 4 Position Male Housing           | FI2216T250MS |
| M6250    | 6 Position Male Housing           | FI2216T250MS |
| M8250    | 8 Position Male Housing           | FI2216T250MS |
| F4250LK  | 4 Position Locking Female Housing | MI2216T250MS |
| F6250LK  | 6 Position Locking Female Housing | MI2216T250MS |
| F8250LK  | 8 Position Locking Female Housing | MI2216T250MS |
| M4250LK  | 4 Position Locking Male Housing   | FI2216T250MS |
| M6250LK  | 6 Position Locking Male Housing   | FI2216T250MS |
| M8250LK  | 8 Position Locking Male Housing   | FI2216T250MS |