

# Insulators

## Ceramic Bead, PFA, and Fiberglass Sleeving



### Single Hole Round (SH)



**To Order** Visit [omega.com/sh\\_dh\\_fs\\_ov](http://omega.com/sh_dh_fs_ov) for Pricing and Details

| Insulator Model No. | Material/ Max Temp            | Used With Wire Size AWG/Inch | Dimension*       |              |
|---------------------|-------------------------------|------------------------------|------------------|--------------|
|                     |                               |                              | Length mm (inch) | OD mm (inch) |
| SH-1-8-100          | Mullite<br>1600°C<br>(2910°F) | 8/0.128                      | 25 (1)           | 6.0 (¼)      |
| SH-1-14-100         |                               | 14/0.064                     | 25 (1)           | 4.5 (⅜)      |
| SH-1-20-100         |                               | 20/0.032                     | 25 (1)           | 3.0 (⅛)      |
| SH-1-24-100         |                               | 24/0.020                     | 25 (1)           | 1.5 (⅙)      |

### Double Hole Round (DH)



| Insulator Model No. | Material/ Max Temp            | Used With Wire Size AWG/Inch | Dimension*       |              |
|---------------------|-------------------------------|------------------------------|------------------|--------------|
|                     |                               |                              | Length mm (inch) | OD mm (inch) |
| DH-1-8-100          | Mullite<br>1600°C<br>(2910°F) | 8/0.128                      | 25 (1)           | 11.1 (7/16)  |
| DH-1-14-100         |                               | 14/0.064                     | 25 (1)           | 7.0 (9/32)   |
| DH-1-20-100         |                               | 20/0.032                     | 25 (1)           | 4.0 (5/32)   |
| DH-1-24-100         |                               | 24/0.020                     | 25 (1)           | 3.0 (⅛)      |

### Single Hole Fish Spine (FS)



| Material/ Max Temp             | Insulator Model No. | Used With Wire Size AWG/Inch | Dimension*       |              |
|--------------------------------|---------------------|------------------------------|------------------|--------------|
|                                |                     |                              | Length mm (inch) | OD mm (inch) |
| Steatite<br>1200°C<br>(2190°F) | FS-400-8-(†)        | 8/0.128                      | 10.2 (0.40)      | 10.2 (0.40)  |
|                                | FS-330-10-(†)       | 10/0.102                     | 8.38 (0.33)      | 8.38 (0.33)  |
|                                | FS-260-8-(†)        | 8/0.128                      | 6.60 (0.26)      | 6.60 (0.26)  |
|                                | FS-260-12-(†)       | 12/0.081                     | 6.60 (0.26)      | 6.60 (0.26)  |
|                                | FS-200-14-(†)       | 14/0.064                     | 5.08 (0.20)      | 5.08 (0.20)  |
|                                | FS-170-18-(†)       | 18/0.040                     | 4.32 (0.17)      | 4.32 (0.17)  |
|                                | FS-125-20-(†)       | 20/0.032                     | 3.18 (0.13)      | 3.18 (0.13)  |
|                                | FS-110-20-(†)       | 20/0.032                     | 2.79 (0.11)      | 2.79 (0.11)  |

† Specify quantity: 500 or 1000 pieces.

### Double Hole Oval (OV)

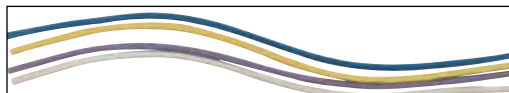


| Insulator Model No. | Material/ Max Temp            | Used With Wire Size AWG/Inch | Dimension*       |              |                     |
|---------------------|-------------------------------|------------------------------|------------------|--------------|---------------------|
|                     |                               |                              | Length mm (inch) | OD mm (inch) | Thickness mm (inch) |
| OV-1-8-100          | Mullite<br>1600°C<br>(2910°F) | 8/0.128                      | 25 (1)           | 11.1 (7/16)  | 6.99 (0.275)        |
| OV-1-14-100         |                               | 14/0.064                     | 25 (1)           | 8.0 (5/16)   | 5.16 (0.203)        |
| OV-1-20-100         |                               | 20/0.032                     | 25 (1)           | 4.4 (1/4)    | 3.0 (0.118)         |

\* All dimensions given are nominal figures only.

### Fiberglass Sleeving

Fiberglass sleeving is ideal for insulating bare wire in applications not exceeding 480°C (900°F).



| Gage    | 20               | 24               | 26               | 28               | 30               |
|---------|------------------|------------------|------------------|------------------|------------------|
| Color   |                  |                  |                  |                  |                  |
| Black   | FBGS<br>BK<br>20 | FBGS<br>BK<br>24 | FBGS<br>BK<br>26 | FBGS<br>BK<br>28 | FBGS<br>BK<br>30 |
| Yellow  | FBGS<br>Y<br>20  | FBGS<br>Y<br>24  | FBGS<br>Y<br>26  | FBGS<br>Y<br>28  | FBGS<br>Y<br>30  |
| Blue    | FBGS<br>B<br>20  | FBGS<br>B<br>24  | FBGS<br>B<br>26  | FBGS<br>B<br>28  | FBGS<br>B<br>30  |
| Purple  | FBGS<br>P<br>20  | FBGS<br>P<br>24  | FBGS<br>P<br>26  | FBGS<br>P<br>28  | FBGS<br>P<br>30  |
| Red     | FBGS<br>R<br>20  | FBGS<br>R<br>24  | FBGS<br>R<br>26  | FBGS<br>R<br>28  | FBGS<br>R<br>30  |
| Natural | FBGS<br>N<br>20  | FBGS<br>N<br>24  | FBGS<br>N<br>26  | FBGS<br>N<br>28  | FBGS<br>N<br>30  |

Ordering Example: FBGS-BK-20-200, black 20 gage fiberglass sleeving.



### PFA Tubing

PFA tubing is used for insulating wires in moist or corrosive environments where temperatures do not exceed 230°C (450°F).



| Gage   | 20          | 24          | 26          | 28          | 30          |
|--------|-------------|-------------|-------------|-------------|-------------|
| Color  |             |             |             |             |             |
| Black  | TF-BK<br>20 | TF-BK<br>24 | TF-BK<br>26 | TF-BK<br>28 | TF-BK<br>30 |
| Blue   | TF-B<br>20  | TF-B<br>24  | TF-B<br>26  | TF-B<br>28  | TF-B<br>30  |
| Purple | TF-P<br>20  | TF-P<br>24  | TF-P<br>26  | TF-P<br>28  | TF-P<br>30  |
| Red    | TF-R<br>20  | TF-R<br>24  | TF-R<br>26  | TF-R<br>28  | TF-R<br>30  |
| White  | TF-W<br>20  | TF-W<br>24  | TF-W<br>26  | TF-W<br>28  | TF-W<br>30  |
| Yellow | TF-Y<br>20  | TF-Y<br>24  | TF-Y<br>26  | TF-Y<br>28  | TF-Y<br>30  |

Ordering Example: TF-R-20-200, red 20 gage PFA tubing.