

## 961-066 • High Voltage FEP Insulated Wire

| HOW TO ORDER                     |  |    |     |    |
|----------------------------------|--|----|-----|----|
| Sample Part Number               | 961-066  | -S | -24 | -0 |
| Basic Part Number                | 961-066  |    |     |    |
| Conductor                        | S = Silver/Copper (-60°C to 200°C)<br>(See Note 5) |    |     |    |
| Wire Size                        | See Table I  |    |     |    |
| Duraelectric Jacket Color Option | See Table II                                       |    |     |    |

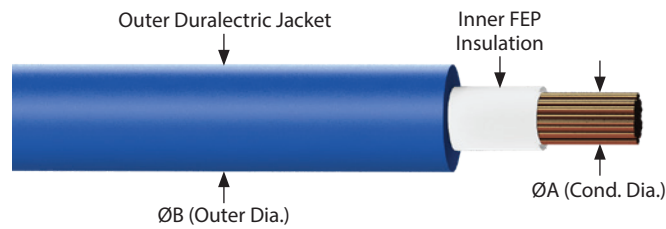


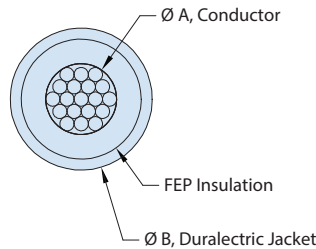
TABLE II: DURALECTRIC JACKET COLOR

| Weatherproof, halogen free, flame resistant |                  |
|---|------------------|
| 0   | Black            |
| 1   | Brown            |
| 2   | Red              |
| 3   | Orange           |
| 4   | Yellow           |
| 5   | Kelly Green      |
| 6   | Blue             |
| 7   | Violet           |
| 8   | Gray             |
| 9   | White            |
| OG  | Dark Olive Green |
| DT  | Desert Tan       |
| PK  | Pink             |

Consult factory for other specific colors

**NOTES**

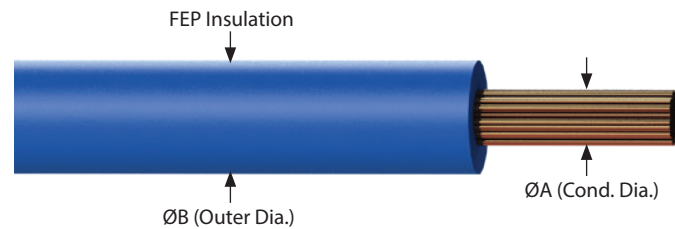
1. Cable shall be marked with "Glenair high voltage wire gauge, part number, CAGE 06324".
2. Total jacket thickness tolerance is ±.002.
3. FEP insulation shall be white.
4. 8 to 16 gauge conductors are silver coated annealed copper per ASTM B298. 20 to 26 AWG conductors are silver coated high strength copper alloy per ASTM B298/b624.



| TABLE 1 |                     |                |               |                         |                                  |               |                                  |
|---------|---------------------|----------------|---------------|-------------------------|----------------------------------|---------------|----------------------------------|
| AWG     | Voltage Rating kVDC | Stranding /AWG | Ø A, (Inches) | FEP Wall Thickness (In) | Duraelectric Wall Thickness (In) | Ø B, (Inches) | DC Resistance at 20°C Ohms/1000' |
| 8       | 15                  | 133/29         | 0.160         | 0.023                   | 0.005                            | 0.216         | 0.66                             |
| 12      | 15                  | 37/28          | 0.085         | 0.027                   | 0.005                            | 0.149         | 1.90                             |
| 12A     | 20                  | 37/28          | 0.085         | 0.033                   | 0.005                            | 0.161         | 1.90                             |
| 16      | 25                  | 19/29          | 0.053         | 0.032                   | 0.005                            | 0.127         | 4.90                             |
| 20      | 20                  | 19/32          | 0.038         | 0.020                   | 0.005                            | 0.088         | 10.70                            |
| 22      | 25                  | 19/34          | 0.030         | 0.031                   | 0.005                            | 0.102         | 17.50                            |
| 22A     | 20                  | 19/34          | 0.030         | 0.015                   | 0.005                            | 0.070         | 17.50                            |
| 24      | 18                  | 19/36          | 0.023         | 0.013                   | 0.005                            | 0.059         | 28.40                            |
| 26      | 20                  | 19/38          | 0.018         | 0.031                   | 0.005                            | 0.090         | 44.80                            |
| 26A     | 18                  | 19/38          | 0.018         | 0.016                   | 0.005                            | 0.060         | 44.80                            |

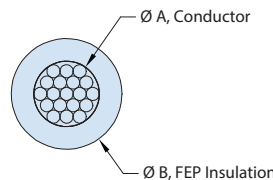
## 961-067 • High Voltage FEP Insulated Wire

| HOW TO ORDER                |  |    |     |    |
|-----------------------------|--|----|-----|----|
| Sample Part Number          | 961-067  | -S | -24 | -0 |
| Basic Part Number           | 961-067  |    |     |    |
| Conductor                   | S = Silver/Copper (-60°C to 200°C)<br>(See Note 3) |    |     |    |
| Wire Size                   | See Table I  |    |     |    |
| FEP Insulation Color Option | See Table II                                       |    |     |    |



### NOTES

- Cable shall be marked with "Glenair high voltage wire gauge, part number, CAGE 06324".
- Insulation thickness tolerance is  $\pm 0.001$ .
- 8 to 16 gauge conductors are silver coated annealed copper per ASTM B298.
- 20 to 26 AWG conductors are silver coated high strength copper alloy per ASTM B298/B624.



| TABLE II: FEP INSULATION COLOR            |             |
|---|-------------|
| 0   | Black       |
| 1   | Brown       |
| 2   | Red         |
| 3   | Orange      |
| 4   | Yellow      |
| 5   | Kelly Green |
| 6   | Blue        |
| 7   | Violet      |
| 8   | Gray        |
| 9   | White       |
| Consult factory for other specific colors |             |

| TABLE I |                     |                |               |                         |               |                                  |
|---------|---------------------|----------------|---------------|-------------------------|---------------|----------------------------------|
| AWG     | Voltage Rating kVDC | Stranding /AWG | Ø A, (Inches) | FEP Wall Thickness (In) | Ø B, (Inches) | DC Resistance at 20°C Ohms/1000' |
| 8       | 15                  | 133/29         | 0.160         | 0.023                   | 0.206         | 0.66                             |
| 12      | 15                  | 37/28          | 0.085         | 0.027                   | 0.139         | 1.90                             |
| 12A     | 20                  | 37/28          | 0.085         | 0.033                   | 0.151         | 1.90                             |
| 16      | 25                  | 19/29          | 0.053         | 0.032                   | 0.117         | 4.90                             |
| 20      | 20                  | 19/32          | 0.038         | 0.020                   | 0.078         | 10.70                            |
| 22      | 25                  | 19/34          | 0.030         | 0.031                   | 0.092         | 17.50                            |
| 22A     | 20                  | 19/34          | 0.030         | 0.015                   | 0.060         | 17.50                            |
| 24      | 18                  | 19/36          | 0.023         | 0.013                   | 0.049         | 28.40                            |
| 26      | 20                  | 19/38          | 0.018         | 0.031                   | 0.080         | 44.80                            |
| 26A     | 18                  | 19/38          | 0.018         | 0.016                   | 0.050         | 44.80                            |