

General Information and Selection

| | | SINGLE-CONDUCTOR TYPES: SOLID WIRE | | |
|---|--|--|--|--|
| | | Type Note 1 | Packaging Foot [Meter]* | Description |
| <p>AWP AWN</p> <p>AWQ GWF</p> <p>HWN JWN</p> | 134-AWP 136-AWP | 500ft [150m] 500ft [150m] | Solid copper wire, polyurethane enamel: General-purpose intragage hookup wire. Useful from -100° to +300°F [-75° to +150°C]. Enamel coating easily removed by applying heat from soldering iron. | |
| | 127-AWN 130-AWN 134-AWN | 500ft [150m] 500ft [150m] 500ft [150m] | Solid copper wire, nylon/polyurethane enamel: Identical in use and specifications to Type AWP above, but with superior abrasion resistance and slightly reduced insulation resistance at elevated temperatures. 134-AWN is available in four colors; specify: -R (red), -W (white), -B (black), -G (green). | |
| | 127-AWQ 130-AWQ 134-AWQ | 500ft [150m] 500ft [150m] 500ft [150m] | Solid copper wire, polyimide enamel: Intragage hookup wire. Temperature range -452° to +600°F [-269° to +315°C] short term. Enamel is extremely tough and abrasion resistant, with excellent electrical properties; generally removed by mechanical scraping or sanding. | |
| | 126-GWF 126-GWF | 100ft [30m] 1000ft [300m] | Solid nickel-clad copper wire, fiberglass braid insulation: Useful from -452° to +900°F [-269° to +480°C]. Recommended for use with WK-Series gages when silver solder is used for lead attachment. | |
| | 137-HWN | 200ft [60m] | Solid manganin wire, nylon/polyurethane enamel: Used for bridge balance and span set in transducer circuits. Nominal resistance: 14 ohms/ft [50 ohms/m]. Temperature range: +10° to +125°F [-10° to +50°C]. | |
| | 142-JWN | 500ft [150m] | Solid Balco® wire, nylon/polyurethane enamel: Used for bridge temperature compensation of zero shift or span. Nominal resistance: 19 ohms/ft [65 ohms/m]. Temperature coefficient of resistance: +0.25%/°F [+0.45%/°C]. Temperature range: +10° to +300°F [-10° to +150°C]. | |
| | SINGLE-CONDUCTOR TYPES: STRANDED WIRE | | | |
| | Type | Packaging Foot [Meter]* | Description | |
| | <p>DWV FWK FWT</p> | 126-DWV | 100ft [30m] | Stranded tinned-copper wire, vinyl insulation: General-purpose leadwire. Useful to +180°F [+80°C]. Vinyl insulation becomes brittle at low temperature; not normally used below -60°F [-50°C]. Specify red, white, black, or green. |
| | | 126-FWK | 25ft [7.5m] | Stranded silver-plated copper wire, Kapton® polyimide insulation: High-performance. Recommended for unusually severe service from -452° to over +600°F [-269° to +315°C] short term. Excellent resistance to abrasion, radiation, and outgassing in high vacuum. Treated for bondability. |
| 130-FWT | | 100ft [30m] | Stranded silver-plated copper wire, Teflon® insulation: Wide temperature range. Useful from -452° to +500°F [-269° to +260°C]. When bonding to Teflon-insulated wire, insulation must be treated with Tetra-Etch® compound (see "Special-Purpose Materials.") Specify red, white, black, or green. | |

*Some types may not be continuous length.

Note 1: Products shown in bold are RoHS compliant.

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