

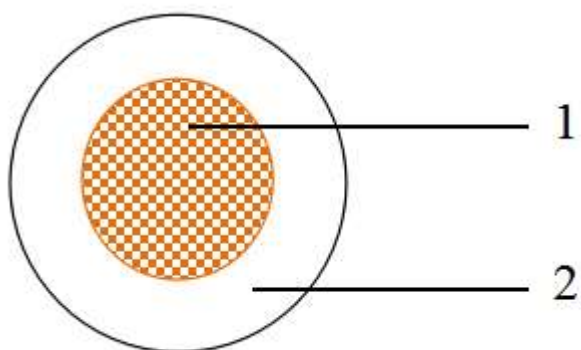
## Datasheet

Wire model : AF150 (ETFE insulated wire)

Stock No: 2077141



Cross Section



|   |            |
|---|------------|
| 1 | Conductor  |
| 2 | Insulation |

## Physical characteristics

|                                       |                              |  |
|---------------------------------------|------------------------------|--|
| <b>Conductor</b>                      | AWG                          | 30 AWG   |
|                                       | Conductor material           | Silver-plated copper wire  |
|                                       | Conductor structure          | 1/0.25   |
|                                       | Conductor dimension          | $0.25 \pm 0.01$ mm   |
| <b>Insulation</b>                     | Insulation material          | ETFE   |
|                                       | Insulation thickness         | 0.15   |
|                                       | Insulation dimension         | $0.55 \pm 0.05$ mm   |
|                                       | Insulation color             | White  |
| <b>Mechanical Physical Properties</b> | Operating temperature range  | $-65^{\circ}\text{C} \sim +160^{\circ}\text{C}$                            |
|                                       | Insulation tensile strength  | $\cong 34.5$ MPa   |
|                                       | Insulation elongation        | $\cong 100\%$  |
| <b>Electrical properties</b>          | Max. operating voltage       | 300V   |
|                                       | Max. conductor DC resistance | $370 \ \Omega/\text{Km} \ (\text{@ } 20 \ ^{\circ}\text{C})$               |
|                                       | Min. insulation resistance   | $500 \ \text{M}\Omega \cdot \text{Km} \ (\text{@ } 20 \ ^{\circ}\text{C})$ |
|                                       | Wire withstand voltage test  | 1500V/min  |