

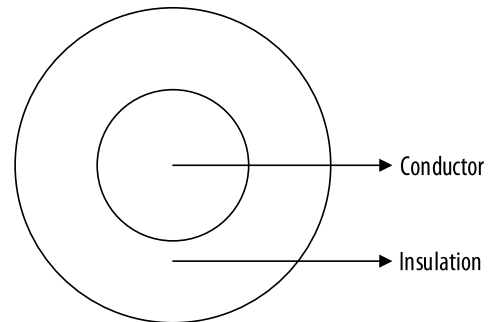
# 18AWG Teflon PTFE Wire

## (REF to NEMA HP3, Type E 600Volts)



PRODUCT DATA SHEET

For use in aerospace & military and electronic applications.  
Rated for continuous use from -60C to 200C.



**Design Number** 10551  
**Part Number** See Table 1  
**Customer Number** N/A

### CONSTRUCTION

**Conductor:** Stranded silver plated copper  
**Conductor Size:** 18AWG(19/0.254±0.004mm)  
**Conductor Diameter:** 0.049 inch (Nom.)  
**Insulation Material:** Extruded Polytetrafluoroethylene (PTFE)  
**Avg. Thickness:** 0.01 inch (Nom.)  
**Insulated Diameter:** 0.064-0.074 inch  
**Insulation Color:** A variety of colors available

**Print Legend:** No printing

### ELECTRICAL CHARACTERISTICS

**Operating Temperature (°C):** -60°C to +200°C  
**Operating Voltage:** 600V  
**Conductor Resistance@20°C:** Max 21 Ω/km  
**Dielectric Test:** AC 1.0 kV/1 min  
**Insulation Resistance@20°C :** Min 200 MΩ.KM

### SAFETY CHARACTERISTICS

**Reference Standards:** Reference to NEMA HP3  
**RoHS Compliance:** European Directive 2015/863/EU

Table 1

Part Number	Color
32159834	Blue

**Application:** For use in aerospace & military and electronic application

Revision History		
00	2021/12/07	Initial release
01	2021/12/17	Update according to customer's requirement
02	2021/12/27	Reference standard updated
03	2022/01/12	Part number added
Created L. Jian		Approved A. Huang

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