

## WIRE SPECIFICATIONS

### CONDUCTOR

**AWG 26**

**19 Conductors, Includes: 2 TP + 1 TP for USB w/**

**Tinned Copper**

### ELECTRICAL

**Voltage: 100 – 600 VDC.**

**Current: 1 -22A dependent upon wire gage**

**Insulation Resistance: 100Mohm Min. @ 250V**

### INSULATION

**Polyester Elastomer, .031" Diameter**

### OUTER SHIELD

**AWG 38 AWG Braided Shield 90% Nominal Coverage**

**Tinned Copper**

### OUTER JACKET

**Polyurethane .30" Wall Thickness**

**Color: Matte Black**

**Outside Diameter .270"**

**Halogenated Flame Retardant**

## ENVIRONMENTAL

<b>OPERATIONAL TEMPERATURE RANGE</b>	<b>-40C TO +70C.</b>
<b>EXTENDED TEMPERATURE RANGE</b>	<b>-40C TO +90C.</b>
<b>HUMIDITY</b>	<b>5% - 95%</b>
<b>SHOCK</b>	<b>30 g's (HALF SINE)</b>
<b>RAIN PROOF</b>	<b>Water Resistant</b>
<b>FUNGAL RESISTANCE</b>	<b>NON-NUTRIENT</b>
<b>SALT EXPOSURE</b>	<b>48 HRS. WET, 48 HRS. DRY</b>
<b>SOLAR RADIATION</b>	<b>UL SUN RES</b>
<b>FLAME RETARDANT</b>	<b>V-0 (75 mil) For Mold UL-94</b>
<b>FLEXING</b>	<b>C-Track</b>

## INDUSTRY STANDARD REQUIREMENTS

**RoHS Directive 2011/65/EU Annex II**

## CONNECTOR SPECIFICATIONS

### MATERIALS

**Hosing: Anodized Aluminum (black)**

**Contacts: Gold Plated Copper Alloy**

## ENVIRONMENTAL

**Temperature Range: -67 to 25.7°F**

**Sand and Dust: MIL-STD-810E, 510.3 Procedure I, and II.**

**Fungus: Non-Nutrient per MIL-STD-810F, METHOD 508.5**

**Exposure: 48hrs. wet and 48 hrs. dry per MIL- Salt STD-810F, Method 509.4**

**Humidity: Up to 95% per MIL-PRF-28800F-810F, (Method 4.5.5.1.1.2) Class3**

## OVERMOLD

**Thermoplastic Polyurethane (TPU)**

**Black Matte Finish**

**Low Smoke Zero Halogen (LSZH)**

**Hardness: Shore A, 90+/-3 per ASTM D-2240**

**Tensile Strength: 2000 psi. per ASTM D-412**



**MIL-PRF-28800F-810F, (Method 4.5.5.1.1.1) Class 3**

**UL TC-ER**

**MIL-PRF-28800F-810F, (Method 4.5.5.1.1.2) Class3**

**MIL-PRF-28800F-810F, (Method 4.5.5.4).**

**Cycling**

**MIL-STD-810F, METHOD 508.5**

**MIL-STD-810F, METHOD 509.4**

**UL 720 Hour**

**Flame Test Cable FT 1**

**10x Radius for 10million Cycles**

