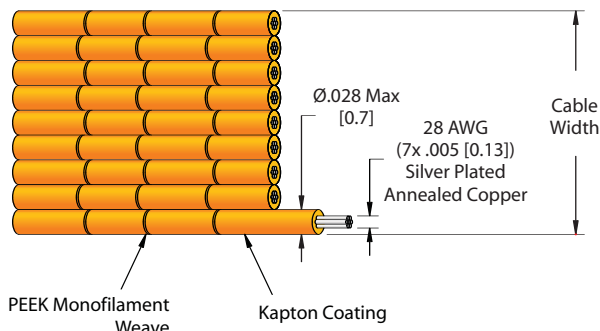


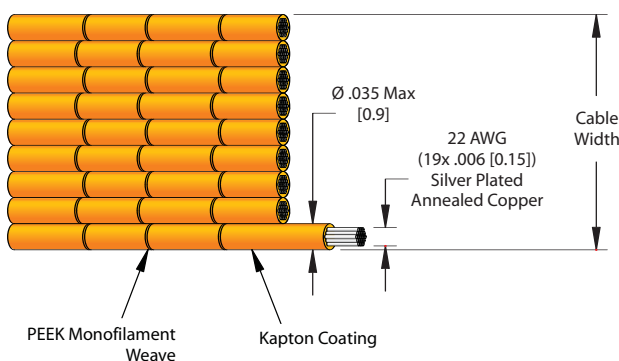
**In-Vacuum Ribbon Cable**

CeramTec's in-vacuum ribbon cable is designed to complement our Micro D Type (MIL-DTL-83513) & Sub D Type (MIL-C-24308) hermetic multipin connector product lines and therefore cable configurations include 9, 15 or 25 conductor cable. Note that 50 conductor cables are created by using two 25 conductor cables. Each of the Kapton® wrapped stranded 28 AWG (7 x 0.005) or 22 AWG (19 x 0.0063) silver plated copper conductors are woven with a PEEK (polyether ether ketone) monofilament in order to achieve the ribbon cable form. The multistranded wrapped cable offers the most flexible solution and has a temperature range up to 200° C. All ribbon cable assembly materials are ultra-high vacuum (UHV) compatible. The ribbon cables are vacuum baked out prior to shipping. Additional vacuum bakeout is also recommended prior to use. All cable assembly components are sold separately.

**28 AWG Ribbon Cable**

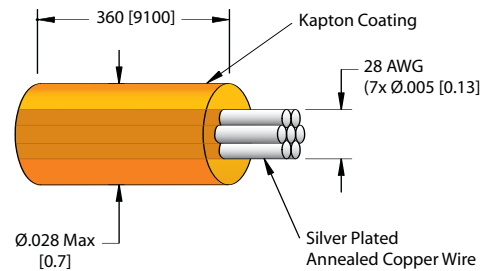


**22 AWG Ribbon Cable**

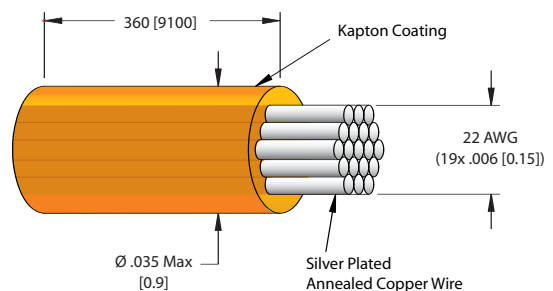


**Single Conductor**

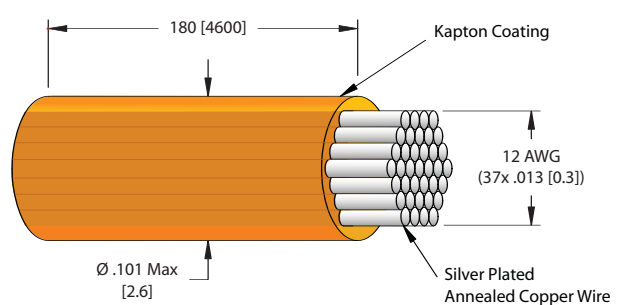
**28 AWG Stranded Wire**



**22 AWG Stranded Wire**



**12 AWG Stranded Wire**



**Specifications**

**Materials**

Insulation: Kapton® Type FN  
Weave: PEEK (polyether ether ketone) monofilament

**Number of Conductors** Single, 9, 15, 25

**Conductor**

28 AWG 7 / 0.005" stranded silver plated copper  
22 AWG 19 / 0.0063" stranded silver plated copper  
12 AWG 37 / 0.013" stranded silver plated copper

**Voltage Rating** 600 V AC, 850 V DC

**Current Rating**

28 AWG - 2.5 Amps per conductor  
22 AWG - 5 Amps per conductor  
12 AWG - 20 Amps per conductor

**Temperature Range** -55°C to 200°C

**Resistance**

28 AWG - 244Ω/km at 20°C max.  
22 AWG - 119Ω/km at 20°C max.  
12 AWG - 6.2Ω/km at 20°C max.



VOLTAGE DC	CONDUCTOR AMPS	TYPE	LENGTH	WIRE DIAMETER	INSULATION DIAMETER	PART NUMBER
850 V	2.5	Stranded	30'	7 x 0.005	Ø .028	21621-01-A



VOLTAGE DC	CONDUCTOR AMPS	TYPE	LENGTH	WIRE DIAMETER	INSULATION DIAMETER	PART NUMBER
850 V	5	Stranded	30'	19 x 0.0063	Ø .035	21643-01-A



VOLTAGE DC	CONDUCTOR AMPS	TYPE	LENGTH	WIRE DIAMETER	INSULATION DIAMETER	PART NUMBER
850 V	20	Stranded	15'	37 x 0.013	Ø .101	21702-02-A



NO. WIRES	CABLE LENGTH	CABLE WIDTH	WIRE DIAMETER	INSULATION DIAMETER	PART NUMBER
9	19"	0.4	7 x 0.005	Ø .028	21622-19-WW
9	39"	0.4	7 x 0.005	Ø .028	21622-39-WW
9	96"	0.4	7 x 0.005	Ø .028	21622-96-WW
15	19"	0.7	7 x 0.005	Ø .028	21623-19-WW
15	39"	0.7	7 x 0.005	Ø .028	21623-39-WW
15	96"	0.7	7 x 0.005	Ø .028	21623-96-WW
25	19"	1.2	7 x 0.005	Ø .028	21624-19-WW
25	39"	1.2	7 x 0.005	Ø .028	21624-39-WW
25	96"	1.2	7 x 0.005	Ø .028	21624-96-WW



NO. WIRES	CABLE LENGTH	CABLE WIDTH	WIRE DIAMETER	INSULATION DIAMETER	PART NUMBER
9	19"	0.4	19 X 0.0063	Ø .035	20370-19-WW
9	39"	0.4	19 X 0.0063	Ø .035	20370-39-WW
9	96"	0.4	19 X 0.0063	Ø .035	20370-96-WW
15	19"	0.7	19 X 0.0063	Ø .035	20371-19-WW
15	39"	0.7	19 X 0.0063	Ø .035	20371-39-WW
15	96"	0.7	19 X 0.0063	Ø .035	20371-96-WW
25	19"	1.2	19 X 0.0063	Ø .035	20372-19-WW
25	39"	1.2	19 X 0.0063	Ø .035	20372-39-WW
25	96"	1.2	19 X 0.0063	Ø .035	20372-96-WW

Note that 50 conductor cables are created by using two 25 conductor cables.



DESCRIPTION	PART NUMBER
Adjustable wire stripper, 20-30 AWG (.25 - .80mm)	21128-01