

Design Considerations

FCC	Bulk Cable ZIF Jumpers PALStrip Display Cables U-Flex ALC Hybrids	1.27mm or 2.54 spacing Zero Insertion Force Mechanical termination Flat - to - Round Hirose DF9 connectors Parlex connector – Thru-hole Surface Mount soldering Custom FFC designs
Base Materials (Dielectric)	Polyester (PET) Polyimide (PT)	White or Black Kapton (Orange)
Base Materials Thickness	50 µm (0.002") + adhesive 25 µm (0.001") + adhesive	Standard Ultra Thin option
Available Copper thickness	0.076 mm (0.003") 0.051 mm (0.002") Custom thickness available	Standard Ultra Thin option Power /signal considerations
Spacing	0.5 mm – 2.54 mm Custom spacing available	Standard Custom designs
Temperature Rating (Operating)	-55 °C to +125 °C -55 °C to +150 °C	Polyester Polyimide
Dielectric Strength	2500 Volts/Mil	
UL Flame Rated	VW-1	
Insulation Resistance	10 Mega Ohm Min	
Mechanical Tolerance (Cable Length)	±1.9 mm (0.075") ±2.54 mm (0.100") ±3.17 mm (0.125") ±1%	1" - 3" 3" - 6" 6" - 12" Typical for long lengths
UL Style	20890 20566 2643	0.5mm - 0.635mm 0.8mm - 1.27mm 1.25mm - 2.54mm
Available Surface Finish	100% Matte Tin	Standard
Current Ratings	0.5AMPS 0.8AMPS 1.5AMPS 2.0AMPS 3.0AMPS	0.5mm - 0.635mm 0.8mm 1.00mm 1.25mm - 1.27mm 2.54mm
Temperature / Humidity	1000 hrs 85 °C / 85% RH	Temperature / Humidity

