

## FEP Flat Ribbon Cable

### I.D.C.

FEP (Fluorinated Ethylene Propylene) insulated conductors extruded in ribbon format for ease of termination with standard I.D.C.'s.

### Features & Benefits

- Extruded – Will not delaminate
- Tight pitch tolerances
- High temp (200° C)
- Resistant to chemicals
- Environmentally stable
- High performance dielectric insulation
- Non-combustible

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-54151736  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

### Product Scope

*Center Spacing	Conductor Count	Conductor Type
.050"	10 – 64	26 AWG, 7/34 Stranded, Silver Plated Copper 26 AWG, 7/34 Stranded, Bare Copper 28 AWG, 7/36 Stranded, Silver Plated Copper 28 AWG, 7/36 Stranded, Bare Copper
.025"	10 – 100	30 AWG, Solid, Silver Plated Copper 32 AWG, 7/40 Stranded, Silver Plated Copper
.0394" (1mm)	10 - 80	28 AWG, 7/36 Stranded, Silver Plated Copper

\* For termination with standard I.D.C.'s

\*\* Custom Constructions Wanted

## FEP Flat Ribbon Cable

### Matched Impedance

FEP (Fluorinated Ethylene Propylene) insulated ribbon cable extruded to match specific system impedance with typical speeds < 1 Ghz and risetimes > 1 ns.

### Features & Benefits

- Low cost alternative to coax & twinax
- Lower termination cost
- High density
- Low dielectric FEP

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### Product Scope

Typical Impedance	Signal Pitch	Signal Count	Wire Type
50 OHM	.050" ±0.002"	10-64	Signal: 30 AWG, Solid, Silver Plated Copper Ground: 28 AWG, Solid, Silver Plated Copper
75 OHM	.050" ±0.002"		Signal: 32 AWG, Solid, Silver Plated Copper Ground: 30 AWG, Solid, Silver Plated Copper
90 OHM	.050" ±0.002"		Signal: 32 AWG, Solid, Silver Plated Copper Ground: 32 AWG, Solid, Silver Plated Copper
95 OHM	.050" ±0.002"		Signal: 33 AWG, Solid, Silver Plated Copper Ground: 33 AWG, Solid, Silver Plated Copper

\* Cables differentially driven are also available upon request.

\*\* Custom Constructions Wanted

## FEP Flat Ribbon Cable

### Mil-Spec Approved

M49055/11 & M49055/12 approved cables are FEP insulated, 26 & 28 AWG constructions on .050" pitch.

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- High performance dielectric insulation
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### Product Scope

Military Specification	Conductor Count	Conductor Type
M49055/11	9 - 60	26 AWG, 7/34 Stranded, Bare Copper
	9 - 64	28 AWG, 7/36 Stranded, Bare Copper
M49055/12	9 - 60	26 AWG, 7/34 Stranded, Silver Plated Copper
	9 - 64	28 AWG, 7/36 Stranded, Silver Plated Copper

## FEP Flat Ribbon Cable

### Multi-Flex

To achieve increased flexibility in a fluoropolymer construction 19 strand alloy conductors are used with self-lubricating FEP insulation material.

### Features & Benefits

- Low Coefficient of Friction
- Alloy Conductors (Strength Factor)
- “Ribbonized” for Mass Termination
- Extruded – Will not delaminate
- Tight pitch tolerances
- High temp (200° C)
- Resistant to chemicals
- Environmentally stable
- High performance dielectric insulation
- Non-combustible

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### Product Scope

Center Spacing	Conductor Count	Conductor Type
.050"	2 - 64	26 AWG, 19/38 Stranded, Silver Plated High Strength Alloy
		28 AWG, 19/40 Stranded, Silver Plated High Strength Alloy
		28 AWG, 19/40 Stranded, Bare Copper

\* Custom Constructions Wanted