



**Specifications**

**Materials**  
 Conductor: Tinned Copper  
 Insulation: Flame retardant polyester, White  
 Supporting Tape: Polyester, Blue

**Electrical**  
 Voltage Rating: 60V  
 Current Rating: 0.5mm pitch=0.5A  
 1.0mm pitch=1A

**Mechanical & Environmental**  
 Operating Temperature Range:  
 -40°C to +80°C (UL20624)  
 -40°C to +105°C (UL20706)  
 Durability: 30 Cycles

- Notes**
- For detailed tolerance info, refer to FFC product spec.
  - Halogen free product will have green printing on insulator.

- For non-standard options, contact GCT
- Exposed conductor length
  - Support strip length
  - Conductor thickness/width
  - Folding/bending to an angle

**Ordering Grid**

XX - XX - X - XXXX - X - X - XX - X - X - XX

**Pitch**  
 05 = 0.5mm  
 10 = 1.0mm

**Number of Conductors**  
 04-80 (0.5mm pitch)  
 04-50 (1.0mm pitch)

**Cable Type**  
 A = Conductor Same Side  
 D = Conductor Opposite Side

**Overall Length (L)**  
 Specify cable length (Minimum = 30mm)  
 eg 0030 = 30mm  
 0100 = 100mm

**Conductor Thickness x Width**  
 A = 0.035 x 0.3 (0.5mm pitch only)  
 D = 0.035 x 0.65 (1.0mm pitch only)  
 E = 0.05 x 0.65 (1.0mm pitch only)  
 C = 0.1 x 0.65 (1.0mm pitch only) (Tin plating only)

**Support Strip Length**  
 06 = 6mm both ends (standard - 0.5mm pitch)  
 08 = 8mm both ends (standard - 1.0mm pitch)  
 Or specify custom length

**Exposed Conductor Length**  
**4 = 4mm both ends (standard)**  
 Or specify custom length

**Environmental Options**  
 Blank = Insulator contains DBDPE  
 -HF = Halogen free/ DBDPE free (complies with IEC61249-2-21)

**Plating**  
 T = Tin  
 G = Gold (Conductor Thickness x Widths A, D & E only)

**UL Style No.**  
 1 = UL20624, not printed  
 2 = UL20624, printed  
 3 = UL20706, not printed  
 4 = UL20706, printed

**Request Samples and Quotation**

Support Strip and Plating Options by Pitch			
Pitch (mm)	Support Strip Length (mm)	Plating Options (conductor thickness x width (mm))	
		Tin	Gold
0.5	6	0.035 x 0.3 (A)	0.035 x 0.3 (A)
		0.035 x 0.65 (D) 0.05 x 0.65 (E) 0.1 x 0.65 (C)	0.035 x 0.65 (D) 0.05 x 0.65 (E)
1.0	8	0.035 x 0.65 (D) 0.05 x 0.65 (E) 0.1 x 0.65 (C)	0.035 x 0.65 (D) 0.05 x 0.65 (E)

Part Number N/A		Product Description Flat Flex Cable Ordering Information	
Drawing Date 23rd May 2011			
By	T.F	Tolerances (Except as Noted)	Units: Metric (mm)
Detail	FFC CABLE B PCN	Length	Angle
Revision	B9		
Date	27/05/26		
		3rd Angle Projection	
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# Shielded FFC Ordering Information

Shielding Options		
Material	Usage	Remarks
Aluminium foil with conductive glue ( <b>Standard</b> )	General shielding	Polyester film laminated non-conductive surface
Copper foil with conductive glue	High performance shielding	
Grounding Conductors		
Conductor 1 →		Decide the conductor numbers you require grounded to the shield.
Conductor 1 →		Note the default location of conductor 1 and whether this is suited to your design

For non-standard options, contact GCT

- Exposed conductor length
- Support tape length
- Conductor thickness/width
- Folding/bending to an angle

## Ordering Grid

S - XX - XX - X - XXXX - X - X - XX - X - XX - X - X - XX

Request Samples and Quotation

### Pitch

05 = 0.5mm  
10 = 1.0mm

### Number of Conductors

06-80 (0.5mm pitch)  
06-50 (1.0mm pitch)

### Cable Type

A = Conductor Same Side  
D = Conductor Opposite Side

### Overall Length (L)

Specify cable length (Minimum = 30mm)  
eg 0030 = 30mm  
0100 = 100mm

### Conductor Thickness x Width

A = 0.035 x 0.3 (0.5mm pitch only)  
D = 0.035 x 0.65 (1.0mm pitch only)  
E = 0.05 x 0.65 (1.0mm pitch only)  
C = 0.1 x 0.65 (1.0mm pitch only) (Tin plating only)

### Shield Material

A = Aluminium  
C = Copper

### Which conductor is connected to shield both ends (up to 4)

eg 00 = No conductors are connected to shield  
01 = Conductor 1 connected to shield both ends  
0105 = Conductors 1 and 5 connected to shield  
010508 = Conductors 1, 5 and 8 connected to shield  
...  
01050816 = Conductors 1, 5, 8 and 16 connected to shield  
If more than 4 conductors connected to shield, contact GCT

### Environmental Options

Blank = Insulator contains DBDPE  
-HF = Halogen free/ DBDPE free  
(complies with IEC61249-2-21)

### Plating

T = Tin  
G = Gold (Conductor Thickness x Widths A, D & E only)

### UL Style No.

1 = UL20624, not printed  
2 = UL20624, printed  
3 = UL20706, not printed  
4 = UL20706, printed

### Support Strip Length

06 = 6mm both ends (standard - 0.5mm pitch)  
07 = 7mm both ends (standard - 1.0mm pitch)  
Or specify custom length

### Exposed Conductor Length

5 = 5mm both ends (standard)  
Or specify custom length

Part Number		Product Description	
N/A		Flat Flex Cable Ordering Information	
Drawing Date		23rd May 2011	
By	T.F	Tolerances (Except as Noted)	Units:
Detail	FFC CABLE B PCN	Length	Metric (mm)
Revision	B9	Angle	3rd Angle Projection
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