

**Specifications**

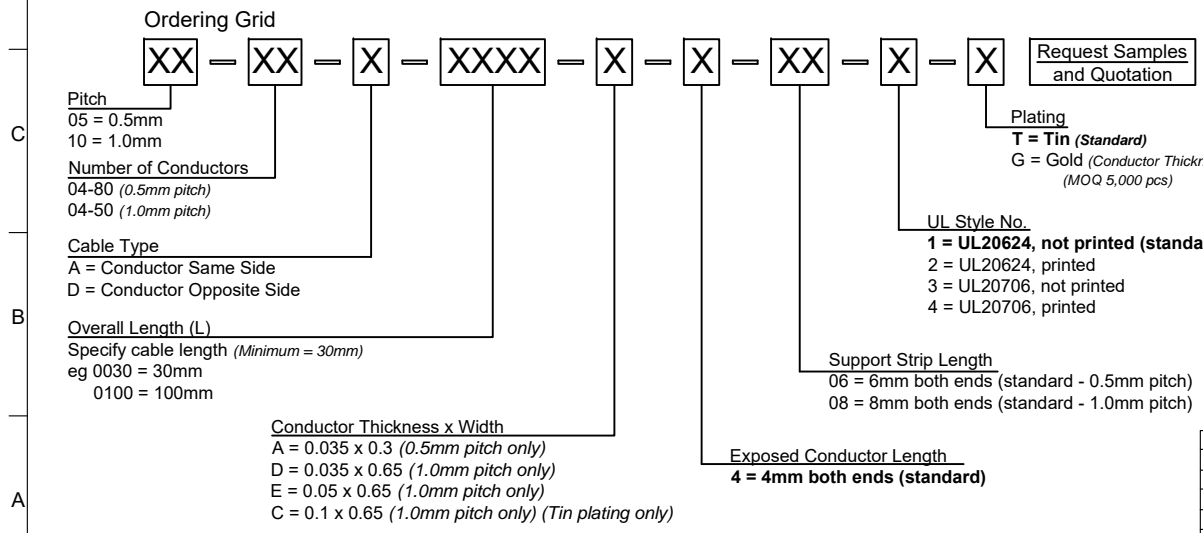
**Materials**  
 Conductor: Tinned Copper  
 Insulation: Flame retardant polyester, White  
 Supporting Tape: Polyester, Blue

**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.

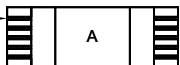
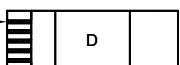
For non-standard options, contact GCT  
 - Exposed conductor length  
 - Support strip length  
 - Conductor thickness/width  
 - Folding/bending to an angle



| 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)                     |
| 1.0  | 8                         | 0.035 x 0.65 (D)                                   | 0.035 x 0.65 (D)<br>0.05 x 0.65 (E) |
|  |                           | 0.05 x 0.65 (E)                                    |                                     |
|  |                           | 0.1 x 0.65 (C)                                     |                                     |

|                               |  |   |          |
|-------------------------------|--|---|----------|
| Part Number<br>N/A            |  | Product Description<br>Flat Flex Cable Ordering Information   |          |
| Drawing Date<br>23rd May 2011 |  |   |          |
| By<br>CC                      | Tolerances (Except as Noted)<br>Length | Units:<br>Metric (mm)   | <br><br> |
| Detail<br>FFC CABLE<br>B PCN  | Angle                                  |   |          |
| Revision<br>B4                |  |   |          |
| Date<br>18/04/24              |  |   |          |
|                               |  | This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT).<br>This drawing must not be copied or disclosed without written consent. E & OE |          |
|                               |  | <br><a href="http://www.gct.co">www.gct.co</a>  |          |
| Not to Scale                  | Drawn By<br>SA                         | Sheet No.<br>1/2  |          |

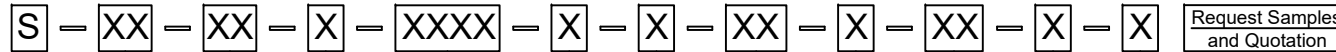
# Shielded FFC Ordering Information

| 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



### 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)

### Shield Material

A = Aluminium  
C = Copper

Request Samples and Quotation

### Plating

T = Tin (Standard)  
G = Gold (Conductor Thickness x Widths A, D & E only)  
(MOQ 5,000 pcs)

### UL Style No.

1 = UL20624, not printed (standard)  
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)

### Exposed Conductor Length

5 = 5mm both ends (standard)

### Which conductor/s connected to shield both ends (up to 6)

eg 00 = No conductors are connected to shield  
01 = Conductor 1 connected to shield  
0105 = Conductors 1 and 5 connected to shield  
010508 = Conductors 1, 5 and 8 connected to shield  
...  
010508101216 = Conductors 1, 5, 8, 10, 12 and 16 connected to shield  
If more than 6 conductors connected to shield, contact GCT

|              |                 |                                      |   |   |
|--------------|-----------------|--------------------------------------|---|---|
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| N/A          |                 | Flat Flex Cable Ordering Information |   |   |
| Drawing Date |                 | 23rd May 2011                        |   |   |
| By           | CC              | Tolerances (Except as Noted)         | Units:  | <br>This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE |
| Detail       | FFC CABLE B PCN | Length                               | Metric (mm)   |   |
| Revision     | B4              | Angle                                | <br>3rd Angle Projection |   |
| Date         | 18/04/24        |                                      |   |   |
| Not to Scale | Drawn By SA     |                                      |   | Sheet No. 2/2   |