

Flexible Flat Cables

1.25mm Pitch Flexible Flat Cable

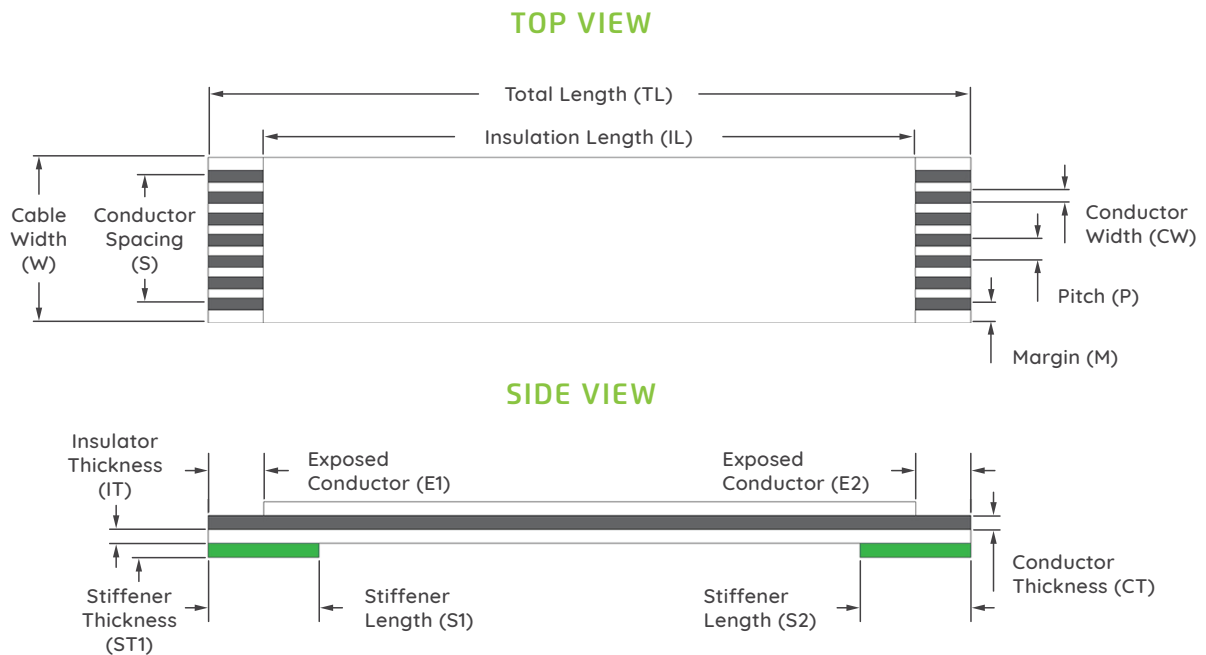
PRODUCT DETAILS

Flex Connection provides a wide range of interconnect solutions utilizing the latest Flexible Flat Cable Technology. We produce standard pitch product from 0.30mm to 2.54mm with options including Shielding, Folding, Gold Plating, Printing or Labeling, Hi Flex Ratings, Hi Temp Ratings and industry standard termination styles. Our product specialists will be pleased to support your individual application requirements with cables designed to meet your specific needs.

FEATURES

- Highly Flexible
- Light Weight
- Extremely Thin
- Cost-Effective
- Wide Temperature Range
- Suitable to Fold
- Can be Shielded
- Quality Design

DIMENSION OUTLINE



STANDARD STYLE OPTIONS



For other styles please consult our sales office

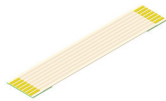
ELECTRICAL AND MECHANICAL PROPERTIES

| | | | |
|-------------------------|--|-------------------------|------------------------|
| Material | Tin Plated Copper Conductor laminated between 2 layers of Polyester Insulation | | |
| Pitch | 1.25mm±0.1 | | |
| Number of Conductors | 4-70 | | |
| Conductor Size | 0.035 x 0.8mm (special request) | 0.05 x 0.8mm (standard) | 0.1 x 0.8mm (standard) |
| Cable Thickness | 0.15mm | 0.17mm | 0.22mm |
| Insulation Thickness | 0.06mm (standard) | | |
| Insulation Material | White Polyester (standard) or Yellow Polyimide (special request) | | |
| Conductor Resistance | Less than 0.77Ω/M | Less than 0.53Ω/M | Less than 0.27Ω/M |
| Insulation Resistance | ≥100MΩ | | |
| Operating Voltage (max) | 30V | 60V | 300V |
| Current Rating (max) | 1.0A | 1.5A | 2.0A |
| Dielectric Strength | 500V AC | | |
| Operating Temperature | -30°C to 80°C | -40°C to 105°C | -40°C to 105°C |
| UL Flammability Rating | VW-1 | | |
| Flexible Life | >3M Cycle @ 15mm Bend Radius | | |

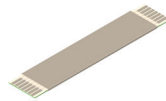
OPTIONS



Black Insulator



Gold Plating



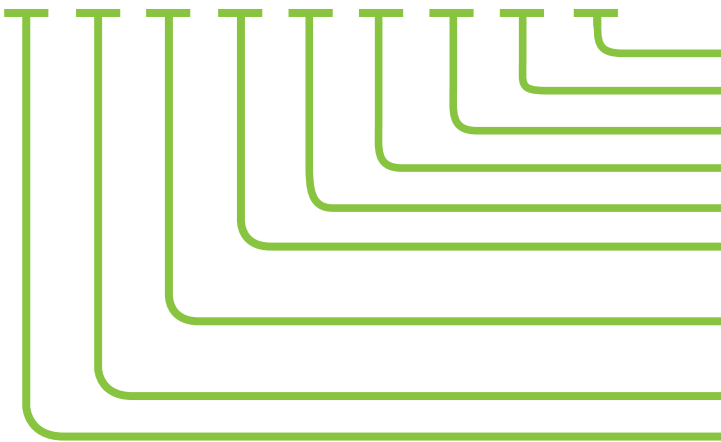
Shielding



Printing or Labeling

PART NUMBERING BREAKDOWN

CO 12 X LLLL NN 5 5 1 1



- Right Side Stiffener Length (S2) 1 = 10mm as Standard
- Left Side Stiffener Length (S1) 1 = 10mm as Standard
- Right Side Exposed Length (E2) = 5mm as Standard
- Left Side Exposed Length (E1) = 5mm as Standard
- Number of Conductors = 4-70
- LLLL = Cable Length using 4 digits
(e.g. 250mm = 0250, 1650mm = 1650)
- Conductor Size = M = 0.035 x 0.8mm,
O = 0.05 x 0.8mm, T = 0.1 x 0.8mm
- Pitch (12 = 1.25mm)
- Standard Style Options = CO, AO, BO, CR, AR, BB