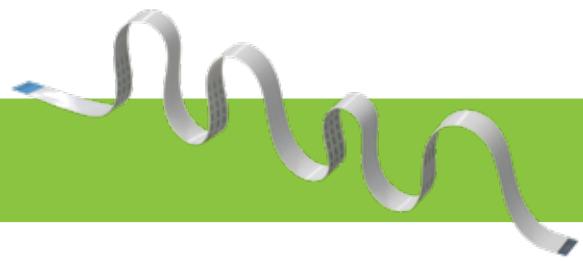


Flexible Flat Cables

0.50mm Pitch Flexible Flat Cable



PRODUCT DETAILS

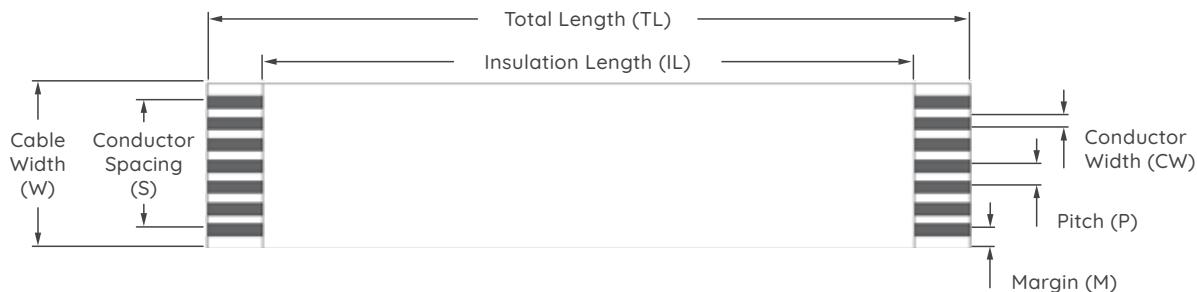
Flex Connection provides a wide range of interconnect solutions utilizing the latest Flexible Flat Cable Technology. We produce standard pitch product from 0.30mm to 2.54mm with options including Shielding, Folding, Gold Plating, Printing or Labeling, Hi Flex Ratings, Hi Temp Ratings and industry standard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

FEATURES

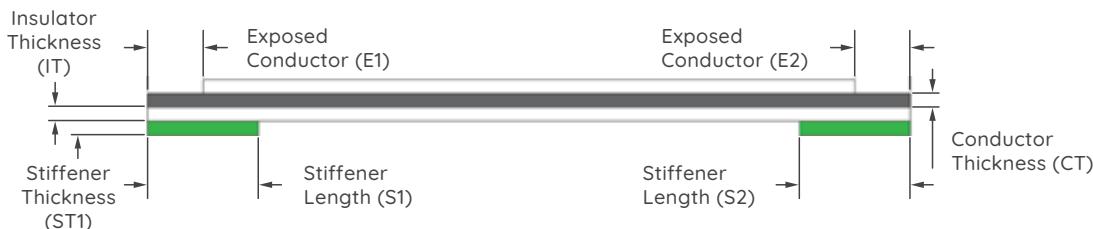
-  Highly Flexible
-  Light Weight
-  Extremely Thin
-  Cost-Effective
-  Wide Temperature Range
-  Suitable to Fold
-  Can be Shielded
-  Quality Design

DIMENSION OUTLINE

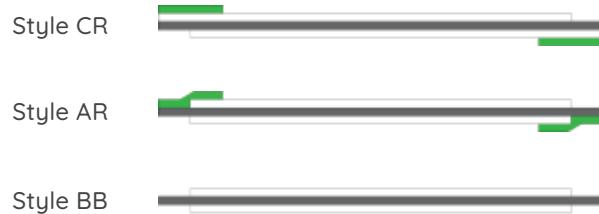
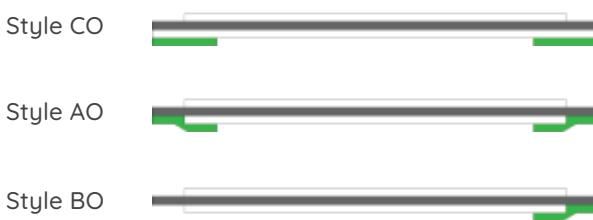
TOP VIEW



SIDE VIEW



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	0.50mm±0.05		
Number of Conductors	4-90		
Conductor Size	0.035 x 0.3mm (standard)	0.05 x 0.3mm (standard)	0.1 x 0.3mm (special request)
Cable Thickness	0.12mm	0.136mm	0.186mm
Insulation Thickness	0.043mm (standard)		
Insulation Material	White Polyester (standard) or Yellow Polyimide (special request)		
Conductor Resistance	Less than 2.2Ω/M	Less than 1.45Ω/M	Less than 0.7Ω/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	-30°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

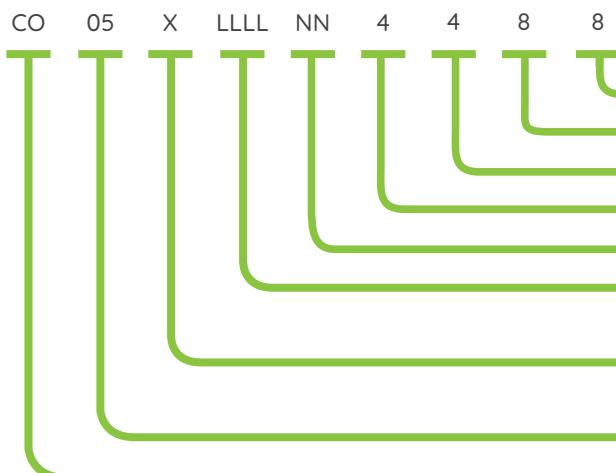


Shielding



Printing or Labeling

PART NUMBERING BREAKDOWN



- Right Side Stiffener Length (S2)= 8mm as Standard
- Left Side Stiffener Length (S1) = 8mm as Standard
- Right Side Exposed Length (E2) = 4mm as Standard
- Left Side Exposed Length (E1) = 4mm as Standard
- Number of Conductors = 4-90
- LLL = Cable Length using 4 digits
(e.g. 250mm = 0250, 1650mm = 1650)
- Conductor Size = D = 0.035 x 0.3mm
E = 0.05 x 0.3mm, F = 0.1 x 0.3mm
- Pitch (05 = 0.50mm)
- Standard Style Options = CO, AO, BO, CR, AR, BB

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