









Bulk Cables

1.27mm Flexible Flat Copper Cable

PRODUCT DETAILS

The Flex Connection range of Flexible Flat Copper Cables are manufactured by laminating tin plated copper conductors between two layers of tough, flexible, flame retardant UL VW-1 rated polyester/adhesive Insulators. Cables can be supplied in bulk on roll format or cut to length. We can also supply them terminated with industry standard connectors.

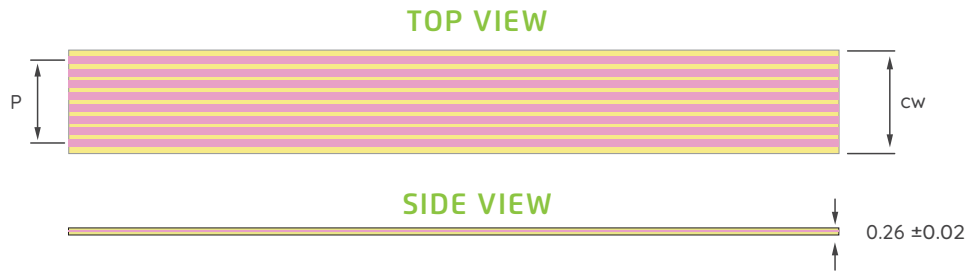
FEATURES

-  Highly Flexible
-  Light Weight
-  Extremely Thin
-  Cost-Effective
-  Suitable to Fold
-  Can be Shielded

TABLE

No. of Conductor	Conductor Size		Dimensions		No. of Conductor	Conductor Size		Dimensions	
	Thickness	Width	P(mm)	CW(mm)		Thickness	Width	P(mm)	CW(mm)
4	0.1	0.65	3.81±0.15	6.35±0.15	23	0.1	0.65	27.94±0.15	30.48±0.15
5	0.1	0.65	5.08±0.15	7.62±0.15	24	0.1	0.65	29.21±0.15	31.75±0.15
6	0.1	0.65	6.35±0.15	8.89±0.15	25	0.1	0.65	30.48±0.15	33.02±0.15
7	0.1	0.65	7.62±0.15	10.16±0.15	26	0.1	0.65	31.75±0.15	34.29±0.15
8	0.1	0.65	8.89±0.15	11.43±0.15	27	0.1	0.65	33.02±0.15	35.56±0.15
9	0.1	0.65	10.16±0.15	12.70±0.15	28	0.1	0.65	34.29±0.15	36.83±0.15
10	0.1	0.65	11.43±0.15	13.97±0.15	29	0.1	0.65	35.56±0.15	38.10±0.15
11	0.1	0.65	12.70±0.15	15.24±0.15	30	0.1	0.65	36.83±0.15	39.37±0.15
12	0.1	0.65	13.97±0.15	16.51±0.15	31	0.1	0.65	38.10±0.15	40.64±0.15
13	0.1	0.65	15.24±0.15	17.78±0.15	32	0.1	0.65	39.37±0.15	41.91±0.15
14	0.1	0.65	16.51±0.15	19.05±0.15	33	0.1	0.65	40.64±0.15	43.18±0.15
15	0.1	0.65	17.78±0.15	20.32±0.15	34	0.1	0.65	41.91±0.15	44.45±0.15
16	0.1	0.65	19.05±0.15	21.59±0.15	35	0.1	0.65	43.18±0.15	45.72±0.15
17	0.1	0.65	20.32±0.15	22.86±0.15	36	0.1	0.65	44.45±0.15	46.99±0.15
18	0.1	0.65	21.59±0.15	24.13±0.15	37	0.1	0.65	45.72±0.15	48.26±0.15
19	0.1	0.65	22.86±0.15	25.40±0.15	38	0.1	0.65	46.99±0.15	49.53±0.15
20	0.1	0.65	24.13±0.15	26.67±0.15	39	0.1	0.65	48.26±0.15	50.80±0.15
21	0.1	0.65	25.40±0.15	27.94±0.15	40	0.1	0.65	49.53±0.15	52.07±0.15
22	0.1	0.65	26.67±0.15	29.21±0.15					

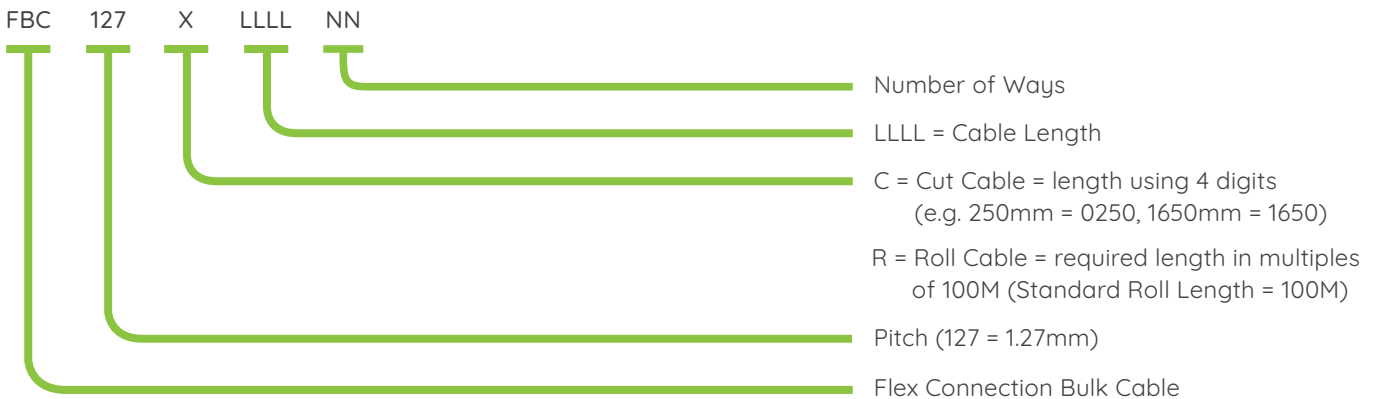
DIMENSION OUTLINE



ELECTRICAL AND MECHANICAL PROPERTIES

Material	Tin Plated Copper Conductor laminated between 2 layers of Polyester Insulation
Pitch	1.27mm±0.1
Number of Conductors	4-40 ways
Conductor Size	0.65mm (width) x 0.1mm thick bare copper
Insulation Thickness	0.08mm
Conductor Resistance	<0.271 Ω/M @ 20°C
Insulation Resistance	5,000MΩ
Operating Voltage	300V RMS
Conductor Rating	3A AC/Conductor
Dielectric Strength	3000V AC
Operating Temperature	-55°C to 105°C
UL Flammability Rating	VW-1
Flexible Life	>10M Cycle @ 25mm Bend Radius

PART NUMBERING BREAKDOWN



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