

# Flex Cable

0.50mm to 2.54mm pitch



**SPECIFICATIONS**

Conductor resistance according to JIS C-C3102 (@ 20°C)  
 Insulation resistance >1000 MΩ/m @ 500 V DC  
 Dielectric strength 500 V, 0.5Ma / 1 Minute  
 Operating temperature -40°C to ~ +80°C  
 Flame Test UL Sub, 758 VW-1

Flexing Test  
 A) Bending angle: 180°, R=Cable thickness ≥20 cycles  
 B) 10mmR, 70 cycle/Min., 25mm Reciprocate ≥100.000 cycles

Abrasion Test  
 ø5.0mm, 600g, 60 cycle/Min. ≥10.000 cycles

**Dimensions**

**Cable Type**

|  | "P"<br>(Pitch) | "C"         | "B"         | "W"     | "CL"            | "T"   | "A1"        | "A2"        | "ST"         |
|--|----------------|-------------|-------------|---------|-----------------|-------|-------------|-------------|--------------|
| Range  | 0.50 - 2.54    | 0.30 - 0.80 | same as "P" | Px(n+1) | 20.00 min.      | 0.30  | 3.00 - 6.00 | 3.00 - 6.00 | 6.00 - 15.00 |
| Tolerance  | ±0.05          | ±0.05       | ±0.15       | ±0.10   | see <b>Note</b> | ±0.05 | ±1.00       | ±1.00       | ±2.00        |
| <b>Note :</b> 20 - 100mm ±2.00mm      101 - 200mm ±3.00mm      201 - 300mm ±4.00mm      301mm ↑±5.00mm |                |             |             |         |                 |       |             |             |              |

## How to order

FCA - x xx - X xxx - 4406 - x

| Pitch  | Nbr of conductors      | Cable Type                               | Cable Length „CL“   | Cable End  | Plating  |
|--|------------------------|--|---|--|--|
| <b>1</b> = 0.50 mm<br><b>2</b> = 0.80 mm<br><b>3</b> = 1.00 mm<br><b>4</b> = 1.25 mm<br><b>5</b> = 1.27 mm<br><b>6</b> = 2.00 mm<br><b>7</b> = 2.54 mm | <b>02</b> to <b>40</b> | <b>D</b><br><br><b>E</b><br><br><b>F</b> | Example:<br><b>050</b> = 50.00 mm<br><b>100</b> = 100.00 mm | <pre>                     4 4 06                    /   \                   A1 A2 ST                  /   \                 4.0 4.0 6.0                 (example)                 </pre> | <b>9</b> = tin<br><i>(leadfree)</i><br><br><b>5</b> = gold flash |