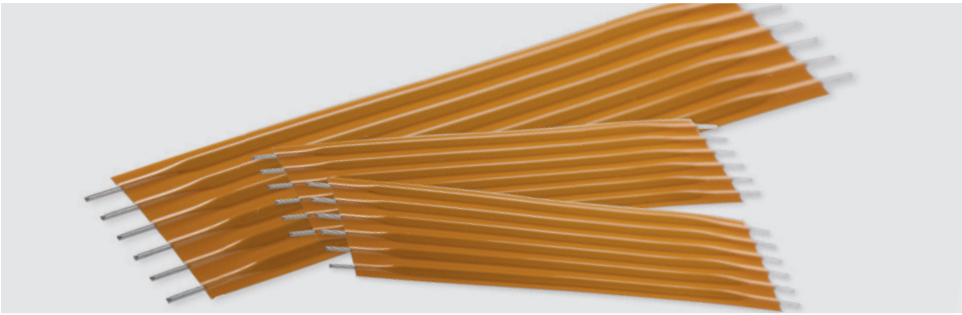
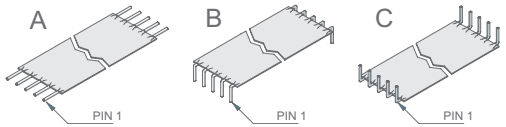
PANTA® HT JUMPER



PANTA® JUMPER for permanent operation temperature of 150°C e.g. gearbox application, motor application, white goods.

CHARACTERISTICS

- Economic alternative compared to Flex-rigid or Flex PCB
- Connection of electronic component
  - board to board
  - board to sensors
- Temperature range: -40°C to 150°C
- Insulating material: Polyimide
- Length: max. 25 – 200 mm
- Wire diameter: 0,32 – 0,51 mm
- Pitch: A = 2,54 mm, B = 1,27 mm, D = 2,00 mm
- Number pf pins: max. 32



BENEFITS

- Smooth notch-free transition from flat to round
- Fracture-safe connection point Compensation of intrinsic vibrations Reduction of tension in the soldering area Avoidance of vibration resonances

Please do not hesitate to ask for our processing instructions for PANTA® HT Jumper.

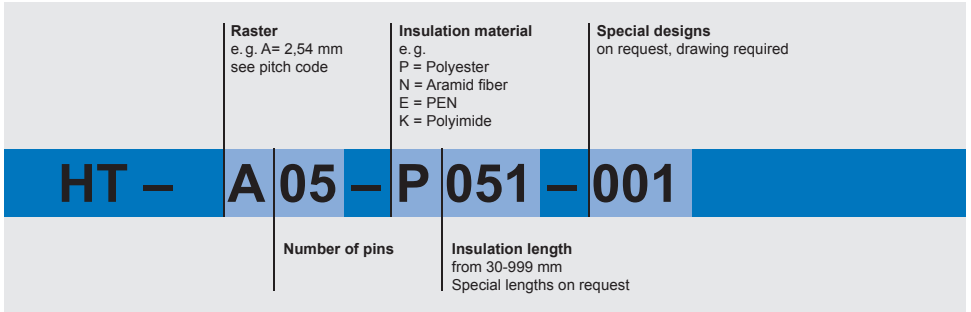
ANALYSIS TESTS

Durability tests

- Temperature test (1000 h @ 170°C)
- Pressure-Cooker-test (96h @ 140°C)
- Humidity test (pre condition + 14 days @ 32°C & 85 % rH)
- Temperature shock (1000 cycles -40°C - 150°C)

UL758

- Temperature shock @ 180°C
- Dielectrical-test with pre-aged specimen (7 days @ 180° C)
- Solder-test
- Cold-bend-test (4h @ -10°C)
- Bending-test after 7 days @ 180°C



TECHNICAL DATA

Order code	B	D	A
Pitch (mm)	1,27	2,0	2,54
Max. number of pins	32	32	32
Lenght (mm)	30 - 200	30 - 200	30 - 200
Min. Margin (mm)	0,8	0,8	0,8
Pin diameter (mm)	0,32	0,4	0,51
Amercican Wire Gauge (AWG)	28	26	24
Flat conductor width (mm)	0,75	1,35	1,27
Flat conductor thickness (µm)	100	110	110
Conductor materials (µm)	Cu-ETP (E-Cu); tin-plated	Cu-ETP (E-Cu); tin-plated	Cu-ETP (E-Cu); tin-plated
Current rating at 20°C (A)	1,5	2,0	3,5
Voltage rating (V_{DC})	200	200	300
Dielectric strenght ($V_{DC/min}$)	700	1500	1500
Isolation	Polyimid	Polyimid	Polyimid
Operation temperature (°C)	-40 ... +150	-40 ... +150	-40 ... +150
Soldering temperature (°C/sec)	260/5	260/5	260/5