

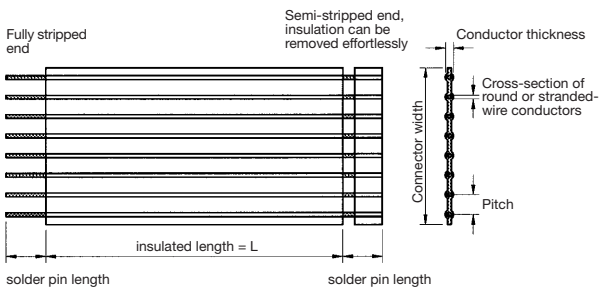
## Discription

This solder connector system is available with either solid or stranded-wire conductors and in 1.27 / 2.00 / 2.50 / 2.54 / 5.08 mm pitches. A cost-effective solder connector system equipped with a polyester foil insulation. This system can be assembled according to customer specifications:

- cut to lengths
- stripped or semi-stripped
- solid, tin-dipped or Z-bonded.

The ADAPT Solder Connector System 500 is a low-cost, polyester-insulated ribbon cable system available in 1.27, 2.00, 2.50, 2.54, 5.08 mm pitches. ADAPT can supply this system with either solid, tinned copper wire, stranded-wire or Z-bonded conductors. Please note that the solid wire versions are only suitable for rigid connection applications and should only be bent or worked for test or installation purposes. The stranded-wire versions are suitable for flexible applications to a limited extent.

The System 500 can be assembled with up to 40 poles according to customer specifications. The conductors are supplied cut to length, stripped and tinned or the insulation is semi-stripped, i.e. the insulation is cut at length but left on the conductor for later removal. This ensures a precise pitch and protects the pins against external mechanical influences.



A flexible alternative to the ADAPT System 500 is our System 400, Flex-Jump. The conductors in the insulated section of this system are flat and provide greater flexibility. The Flex-Jump connectors can be supplied with a variety of angled terminal pins to suit the pitch you require. For more information, see the System 400 product description.



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## Order information

Should you have any difficulties finding the correct ribbon cable and connector system, our sales representatives will be happy to help you find the perfect solution for your application. Please include a drawing or a list of the system requirements with your inquiry: This will provide your local

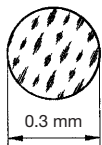
ADAPT representative with the necessary information required to select the best conductor type, material, count, cross-section (current capacity), pitch and ambient temperature during operation, flexibility and number of systems required.

Round conductor ribbon cable:	PE-insulated tinned solid Cu round conductors, alternative: tinned Cu stranded-wire conductors, Z-bonded according to specification			
Voltage rating:	300 V			
Temperature range:	-30 °C to + 95 °C			
Disruptive strength: conductor/outside:	min. 1000 V			
Disruptive strength: conductor/conductor:	min. 3000 V			
Conductor types:	solid conductor = ML		stranded-wire (flex. or Z-bonded) = LL	
Conductor cross-section approx. in AWG or conductor size:	d = 0.3 mm	d = 0.4 mm	d = 0.5 mm	28
Current capacity per conductor in A:	2	2	3	2
Insulation thickness per side in mm:	0.09	0.09	0.09	0.09
Conductor thickness approx. in mm:	0.37 ±0.08	0.43 ±0.08	0.61 ±0.08	0.46 ±0.08

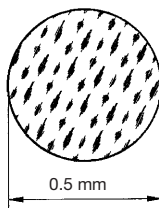
Possible pitches in mm (R):	1.27	2.00	2.50	2.54	5.08
Possible conductor types of the pitches:	ML (0.3 mm only), LL	ML (0.4 mm only)	ML, LL	ML, LL	ML, LL
Connector width in mm (B):	N x 1.27	N x 2.00	N x 2.50	N x 2.54	N x 5.08
Conductor count per contact row (N):	2 to 40	2 to 40	2 to 40	2 to 40	2 to 21
Insulated length in mm (L):	10 or longer				

### Solid conductor

Cross-section:  
approx. 0.08 mm  
AWG 28

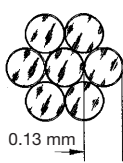


Cross-section:  
approx. 0.20 mm  
AWG 24

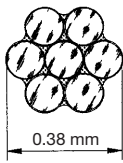


### Stranded-wire conductor

Standard stranded wire, individual strands slightly twisted



Z-bonded strands, individual stranded wires tin-bonded  
Cross-section:  
approx. 0.08 mm  
AWG 28



## Details for ordering

500 - 60 - 15 - 2.54 - 5 - angerückt

Solder Connector System 500

Insulated length in mm = L  
Tolerance: ± 2 mm

Conductor count = N

Pitch = 1.27 / 2.00 / 2.50 / 2.54 / 5.08 mm

Conductor type or size

"3" or "5" = solid round conductors, d = 0.3 or 0.5 mm

Stranded wire = stranded-wire conductor AWG 28 (approx. 0.08 mm)

Length of soldering pin (possibly "X" for differing ends)

Other specifications:

ZGL = Z-bonded stranded wire with stranded-wire conductors

semi-stripped = insulation cut at length but left on conductor

tinned = ends of stranded-wire conductors additionally tin-dipped