

Flex-Jump Solder Connections

Flexible flat cables for direct insertion with different pole numbers in all common pitches; flexible, UL-approved connection technique for separable assembly groups combinable with other connecting systems in the Adapt program.

Flexible flat cables as direct connectors for application where flexible connections are needed, e.g. in displays, board-to-board connections, etc. Direct connectors are available in different lengths and pole numbers, depending on the required pitch. For stabilising the contact zone, depending on the position of the plug type, the ends are backed with an additional tape on the same or opposite side.

Plug-in systems are available as low-insertion-force or with interlocks as zero-insertion-force systems. They have one-side effective contact springs and are available as surface (SMT) or perforated versions for solder purposes in straight or right angled form. For a better fixing of the through hole

versions when wave-line soldering, their solder pins are bended. System 280 are kept in stock for pilot series in lengths of 75, 100, 150 and 200 mm, in the pitch of 0.5, 1.0, 1.25, 1.27 and 2.54 mm and can be supplied in all pole numbers.

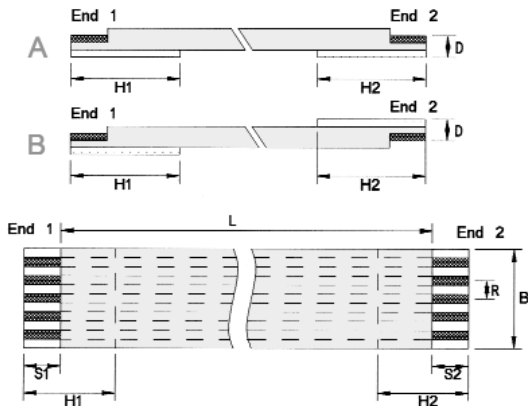


Fig. A: Exposed connector at both ends on the same side

Fig. B: Exposed connector at both ends on the opposite side

- R = Pitch
- B = Width of connectors
(in the plug-in section)
- D = Cable thickness
(in the plug-in section)
- H = Length of supporting tape
- S = Length of the exposed conductors
- L = Length of insulation



Eberhard Köpf GmbH
 Industriestrasse 34
 D-63920 Grossheubach
 Phone: +49 9371/40 04-0
 Telecopy: +49 9371/40 04-20
 E-Mail: vertrieb@adapt-elektronik.de
 Internet: www.adapt-elektronik.de

By using alternative flexible flat cables and plug-in systems, special attention can be paid to particular requirements. Flexible flat cables for direct insertion can therefore also be combined with other Adapt-Systems. Our sales staff will be pleased to give advice with view to special applications and combinations. Naturally, we also deliver the suitable low- and zero-insertion-force plug-in systems.

Just let us know the following criteria with reference to System 280:

- pitch and number of poles
- low- or zero-insertion-force (zero-insertion-force with interlock)
- SMD- or through hole system for soldering, arranged in top entry type or side entry type.

Flexible flat cable	Polyester-insulated tinned copper flat conductor, UL-approved, Style No. 2896 (and 2643, respectively)				
Operating voltage	30 - 300 V according to pitch				
Operating temperature	-40°C to +80°C (up to +105°C if required)				
Stripping	(A) - (B) for a stabilisation of the conductor backed with supporting tape				
Pitch in mm (R)	0.50	1.00	1.25	1.27	2.54
Width of connector in the plug-in section in mm (B)	(N + 1) x 0.50	(N+1) x 1.00	(N+1) x 1.25	(N+1) x 1.27	(N+1) x 2.54
Width of conductor in mm	0.28	0.70	0.80	0.80	1.57
Thickness of conductor in mm	0.10	0.10	0.10	0.10	0.076
Max. current of a condUctor in A	0.5	1	1	1	2
Stripped length in mm (S) (Standard)	5				
Supporting tape length in mm (H) (Standard)	10				
Number of conductors (N)	5 to 50	5 to 50	5 to 50	5 to 50	2 to 20
Insulated length in mm (L)	Standard lengths 75, 100, 150, 200 mm (other lengths if required)				
Cable-thickness in the plug-in section in mm (D)	0.34±0.05				
Other cable thickness in mm	0.25 ± 0.05				

Details for ordering

280- 1.25 - A - 10 - 100 - 5 - 5 - 10 - 10

