

## Discription

A solder connector system with stranded-wire conductors in the pitch 1.27 / 2.54 / 3.96 mm or undefined. Can be used as connector with restricted flexibility and is available with coloured or grey PVC insulation. The system is furnished in accordance with customer specifications:

- cut to length, spliced
- insulation-stripped or semi-stripped
- hot-dipped tin coated or bound

The wiring programme known as Solder Connector System 510 is one of the most popular of its type. Robust, PVC-insulated, flat wiring arrangement and sufficient flexibility characterise this system.

Chose between defined or undefined pitch, coloured or grey PVC insulation, with bound (ZGL) or flexible (flex) stranded-wire conductors – naturally in a variety of wire cross-sections.

We cut the extruded ribbon cable to length and finish the ends in accordance with customer specifications.

The connectors can be stripped and tinned, the ends semi-stripped as specified (the severed section is left on the conductor ends) or the stranded-wire spliced.

The system opens the door for a range of possible combinations with insulation displacement systems or direct wiring with various subassemblies.

Should you have any questions about the variety of possible combinations with System 510 or about the choice of alternative wiring and interconnection, contact your local ADAPT sales representative.



**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](mailto:vertrieb@adapt-elektronik.de)

Internet: [www.adapt-elektronik.de](http://www.adapt-elektronik.de)

## Order information

The cable types listed above are our preferred styles which we use as standard and are available ex stocks. They are compatible with the pitch and cross-sections of applications using IDC systems from various manufacturers, e.g. Tyco, 3M, FCI, Cannon, Siemens etc.

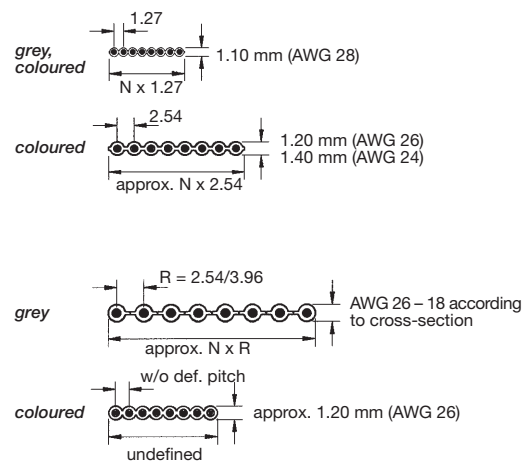
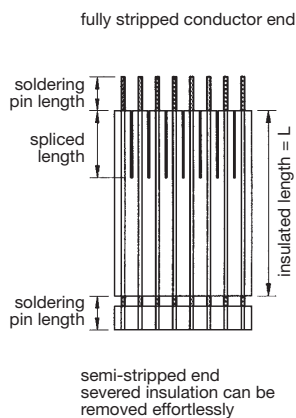
ADAPT can also prepare the stranded-wire cables for all styles of crimp connections. For more information on the various possibilities for working stranded-wire cable, confer the respective sections. Other cross-sections, bunching or colour coding are available for customer-specific applications.

Stranded-wire ribbon cable / extruded ribbon cable	PVC-insulated extruded tinned stranded wire (bunched 7 way), colour-coded or grey, bunched or flexible, UL listed									
	stranded-wire ribbon cable					extruded ribbon cable				
Cable type	n/a	1.27	1.27	2.54	2.54	3.96				
Pitch in mm (R)										
Insulation colour	colour code	grey	colour code	colour code	grey		grey			
Voltage rating	300V	300V	300V	500V	300V	300V				
Temperature range	-45/+85°C	-20/+105°C	-35/+70°C	-45/+70°C	-30/+105°C	-30/+105°C				
UL style number	2697	2651	2651	-	2651	2651				
Proof voltage	1500V min.									
Possible conductor types	flex	flex	flex	flex / ZGL	ZGL	ZGL				
Wire gauge in mm_ / AWG	0.14/26	0.08/28	0.08/28	0.14/26	0.25/24	0.14/26	0.25/24	0.34/22	0.50/20	0.80/18
Conductor current capacity in A	1.5	1.0	1.0	1.5	2.5	2.5	4.0	5.0	7.0	7.5
Conductor thickness in mm	1.0	1.1	1.1	1.2	1.4	1.4	1.4	1.4	1.6	1.8
Connector approx. width in mm (B)	undef.	N x 1.27	N x 1.27	N x 2.54	N x 2.54		N x 3.96			
Number of conductors, max. (N)	2 – 50	2 – 64	2 – 64	2 – 32	2 – 28		2 – 24			
Insulated length in mm (L)	10 or longer									

*flex = flexible, the individual stranded wires are not bonded together*

*ZGL = bonded stranded wires, the individual stranded wires are bonded together and do not require tin-coating prior to processing*

*Standard colour code (recurring): brown, red, orange, yellow, green, blue, violet, grey, white, black*



## Details for ordering

510 - 110 - 24 - 2.54 - 008 - 3 - farbig - angerückt

