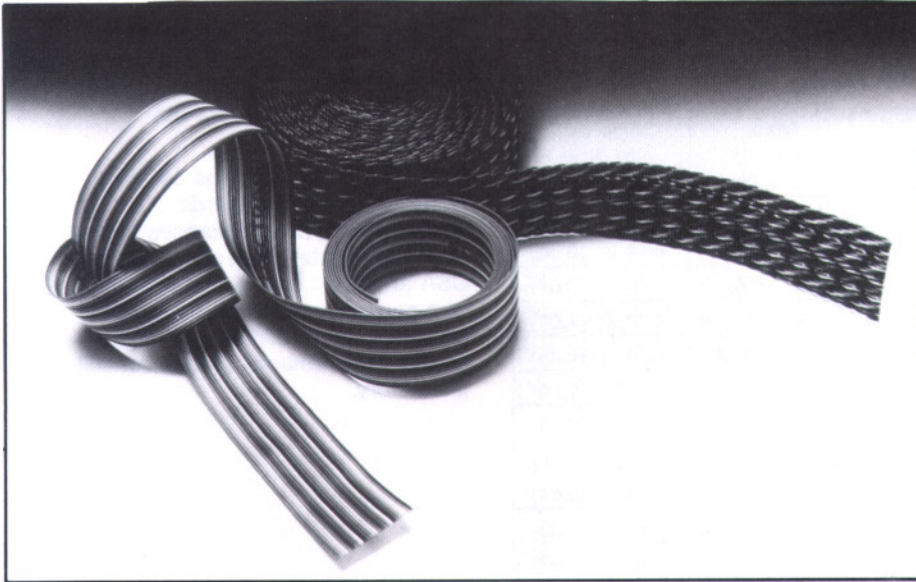


Ultra-Flex[®] parallel conductors

Ultra-Flex[®] twisted pairs — 112, 115 series



description

Spectra-Strip Ultra-Flex bonded planar cable is designed with great flexibility to meet applications which call for frequent or constant flexing without damage or alteration to electrical, mechanical or physical properties. Along with the Spectra-Bond cable, which was originally developed, patented and introduced by Spectra-Strip, Ultra-Flex is used in a great many interconnection applications with point-to-point wiring. It has the same advantages as Spectra-Bond cable — excellent bonding, separation, breakouts and termination techniques. These cables reduce both cost and packaging volume because they can be contour-formed, self-supporting with a minimum of clamping and can dissipate heat faster than round multi-conductor cable.

Standard Ultra-Flex bonded cables consist of stranded, round conductors insulated with color-coded PVC bonded together by a patented process to form a flat ribbon.


A wide range of specially designed constructions are also available, including special striping and color coding, plus an intermix of wire sizes. Consult the factory with your particular needs.

cable selection chart

AWG	Stranding	Copper Type	Insulation Thickness	Nominal OD/IN	Number of Conductors
30	26/44	Bare	B	.035 (0,89)	2-100
			C	.046 (1,17)	
26	64/44	Bare	C	.051 (1,30)	2-100
24	105/44	Bare	B	.049 (1,24)	2-87
			C	.056 (1,42)	
22	105/42	Tinned	B	.052 (1,32)	2-80
			C	.062 (1,57)	
20	105/40	Tinned	C	.072 (1,83)	2-73
18	105/38	Tinned	C	.086 (2,18)	2-62
16	105/36	Tinned	C	.096 (2,44)	2-56

B = wall thickness .010" nominal
C = wall thickness .016" nominal

benefits

- Highly flexible for continuous flexing operations
- Low-cost point-to-point wiring
- Easily separated for breakouts
- Contour formed
- Color coded
- UL recognized style 

characteristics

Physical

— 112 series — parallel

Conductors: 16-30 AWG, 26 to 105 strands, bare or tinned copper
Insulation: .010", .016" nom. wall, flame retardant PVC

Number of conductors: 2-100
Flexibility: Continuous without damage to electrical, mechanical or physical properties

— 115 series — twisted pairs

Conductors: 16-30 AWG 26 to 105 strands, bare or tinned copper
Bare or tinned copper
Insulation: .010", .016" nom. wall flame retardant PVC

Number of conductors: 2-100

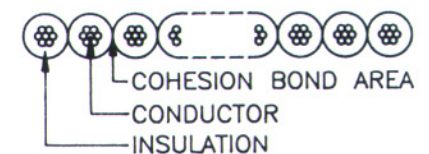
Electrical

Voltage rating: 300V per UL
UL style number: Cable Style 2697, Cable Style 2693

Temperature rating: 2697: 80°C (+ 176°F) 300V; 2693: 105°C (+ 221°F) 300V

Insulation resistance: 10¹⁰ ohms 10 ft.
CSA: Available upon request

dimensions



112 series

order information

Please consult factory for full information.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Amphenol:](#)

[112-2201-020](#) [112-2404-140](#)