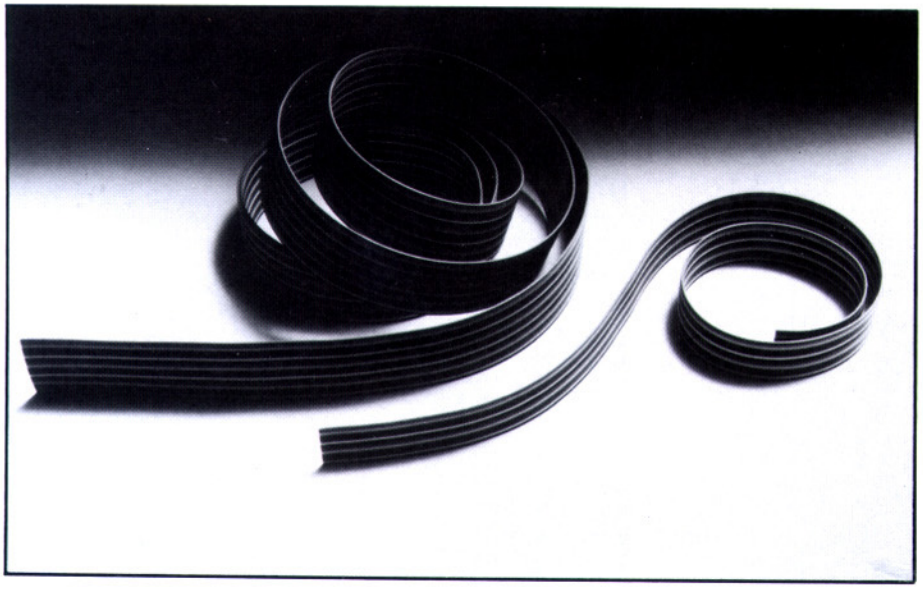
Amphenol 安费诺 111-2213-010 PDF

Amphenol

深圳创唯电子有限公司

http://www.amphenol-connect.com

Spectra-Bond® parallel conductors — 111 series and Spectra-Bond® twisted pairs — 114 series



benefits

- Low cost point-to-point wiring
- Insulation easily separated for circuit routing
- Color coded
- Standard termination techniques
- Versatile applications
- UL recognized style

characteristics

Physical

— 111 series — parallel

Conductors: 22-30 AWG, 7 and 19 strand, tinned copper
Insulation: .010" nom. wall, flame retardant PVC
Number of conductors: 2 to 100
Color code: brown, red, orange, yellow, green, blue, violet, gray, white, black (repeat)

— 114 series — twisted pairs

Conductors: 22-30 AWG, 7 strand, tinned copper
Insulation: .010" nom. wall, flame retardant PVC, .016" nom. wall, flame retardant PVC available
Number of conductors: 2 to 100

Electrical

Voltage rating: 300 V per UL
Insulation resistance: 10^{10} ohms — 10 ft., min.
UL style number: Cable style 2697, cable style 2693
Temperature rating: 2697 (80°C, 300V), 2693 (105°C, 300V)
CSA: Available upon request

description

Bonded planar cable was originally developed, patented and introduced by Spectra-Strip. Bonded flat ribbon cables reduce both cost and packaging volume because they can be contour-formed, are self-supporting with minimum clamping, and can dissipate heat faster than round multi-conductor cable. They are used today in a great variety of interconnective systems using point-to-point wiring applications. These flat cables are fully compatible with standard termination techniques such as soldering, crimping and wire wrapping.

Spectra-Strip standard bonded cable consists of stranded or solid round conductors insulated with color-coded PVC and bonded together by a patented process to form a flat ribbon.

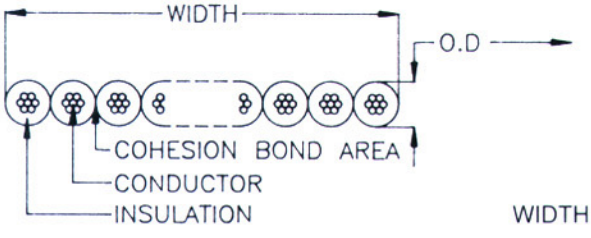
special bonded cables

Spectra-Strip has a highly versatile design and manufacturing capability for planar bonded PVC cables. A wide range of specialiy designed and produced constructions can be obtained by consulting the factory with specific requirements and cable descriptions.

Bonded constructions may be designed so that a single cable can contain several different wires or cables to provide a complete range of circuit functions including power, control, transmission and signalling.

A special cross-linked PVC insulation offering improved performance in resistance to heat and abrasion plus outstanding flame retardancy is also available. It is produced by exposure to a high-energy electron beam which cross-links the molecular structure of the PVC.

dimensions



30 AWG	=	.032"	(0.81 mm)
28 AWG	=	.035"	(0.89 mm)
26 AWG	=	.039"	(1.00 mm)
24 AWG	=	.044"	(1.12 mm)
22 AWG	=	.051"	(1.30 mm)

WIDTH = (Number of Conductors) x (O.D.)