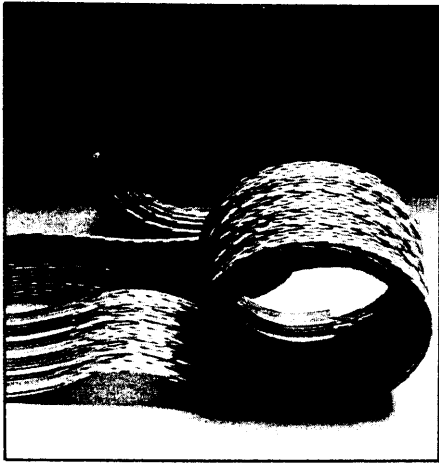



Twist 'N' Flat[®] planar cable — 132 series



benefits

- Unique design allows mass termination to IDC connectors.
- Up to 64 conductors (32 pairs) with precise spacing for controlled electrical characteristics.
- Highly flexible PVC insulation, color coded.
- Double contour at flat sections allows termination from either side of cable.
- Easy conductor separation for circuit routing.
- UL recognized 
- CSA certified, available

description

Spectra-Strip Twist 'N' Flat cable combines the time and cost savings of mass termination with the electrical performance of twisted pairs, making it ideal for high speed computers and communications equipment. Labor savings of up to 95% as compared to automatic strip and crimp termination are readily achieved.

Twist 'N' Flat cable consists of stranded round conductors insulated with color-coded PVC, twisted into pairs and laminated between layers of PVC film to form a planar cable. The twist in adjacent pairs is reversed to reduce cable crosstalk even further. Standard cables alternate 18-inch (45.7 cm) long twisted pair sections with 2 inch (5.1 cm) flat sections in which the conductors are laminated in parallel. Twist 'N' Flat cable is packaged in 100-foot putups in dispenser boxes.

Twist 'N' Flat cable can also be fabricated to your custom requirements. Flat sections can be made longer to allow room for multiple connectors. Twisted pair length can be varied from a minimum of 6 inches to many feet to conform with your requirements. The lamination can be fabricated "loose" at specified points to provide easy access to individual conductors. For complete details, consult the Spectra-Strip factory nearest you.

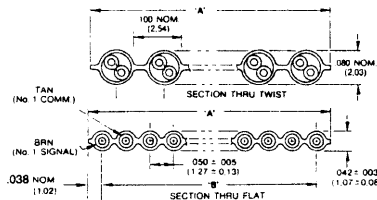
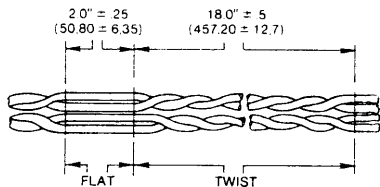
characteristics

Physical

Conductors: 28 AWG, 7/36 strand, tinned copper
 Conductor insulation: .010" nom. wall
 Number of conductors: 10, 14, 16, 20, 26, 34, 36, 40, 50, 60 and 64
 Color code: Brown, red, orange, yellow, green, blue, violet, gray, white, black (repeat) tan common
 Conductor spacing: Twisted pair centers: .100" nom.; conductor centers in flats: .050" ± .005"
 Cable thickness: .042" ± .003" (flat section)
 Laminate: Clear PVC, self-extinguishing

Electrical

Voltage rating: 300 V
 Current rating: 1 amp nom. at 10°C above ambient
 Temperature rating: 105°C UK manuf.
 Impedance: 100 ohms nom.
 Capacitance: 22 pf/ft. (72 pf/m) nom.
 Crosstalk: 10' sample, 5 ns rise time.
 Unbalanced (1 line driven): NE= 4.0%, FE=3.5% nominal. Balanced line: NE=.7%, FE=.45%
 Propagation delay: 1.6 ns/ft. (5.2 ns/m) nom.
 Insulation resistance: 10¹⁰ ohms 10 ft. (3 m) min.
 UL style number: Cable style 2697 (80°C), Cable style 20130 (105°C), Component wire style 1061 or 1731. CSA: Cable may be certified under Canadian Standard Association (CSA) Appliance Wiring Material Program (specify at time of order); CSA AWM, 105°C UK manuf., 300 V SR-PVC



order information

Series 843-132-2801 28 AWG, 7/36 .050" centers

UK manuf. Part No.	No. Pairs	Width 'A'		Span 'B'	
		Inch	(mm)	Inch	(mm)
132-2802-210	5	.526	(13,36)	.450 ± .015	(11,43 ± 0,38)
132-2802-214	7	.726	(18,44)	.650 ± .015	(16,51 ± 0,38)
132-2802-216	8	.826	(20,98)	.750 ± .015	(19,05 ± 0,38)
132-2802-220	10	1.026	(26,06)	.950 ± .015	(24,13 ± 0,38)
132-2802-226	13	1.326	(33,68)	1.250 ± .015	(31,75 ± 0,38)
132-2802-234	17	1.726	(43,84)	1.650 ± .015	(41,91 ± 0,38)
132-2802-236	18	1.826	(46,38)	1.750 ± .015	(44,45 ± 0,38)
132-2802-240	20	2.026	(51,46)	1.950 ± .020	(49,53 ± 0,51)
132-2802-250	25	2.526	(64,16)	2.450 ± .020	(62,23 ± 0,51)
132-2802-260	30	3.026	(76,86)	2.950 ± .020	(74,93 ± 0,51)
132-2802-264	32	3.226	(81,94)	3.150 ± .025	(80,01 ± 0,64)

other capabilities

Twist 'N' Flat cable is available in the following gauges and spacings: consult factory.

Centers	AWG (Wire Size)
.050"	30, 28, 26, solid and stranded
.0625"	30, 28, 26, solid and stranded

Consult factory for special Twist 'N' Flat length capabilities.