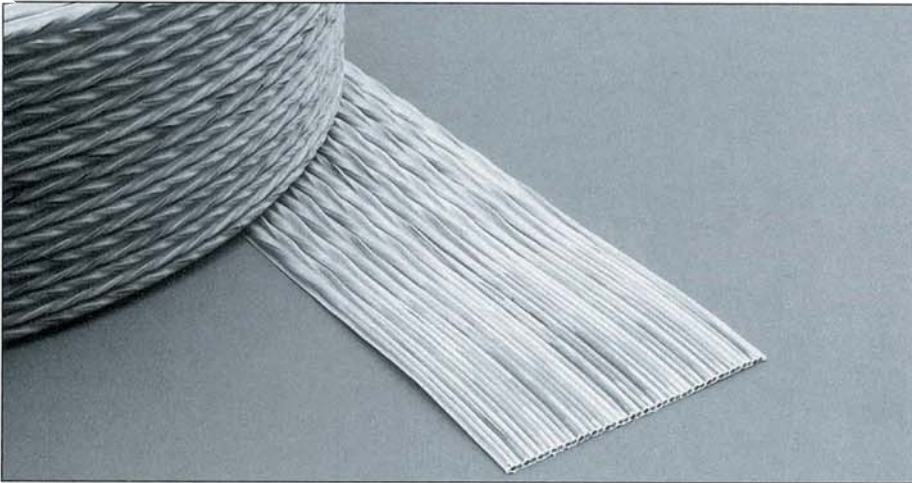


Halogen-Free Twist 'N' Flat® planar cable

132-2829 series



description

Halogen-Free Twist 'N' Flat cable combines the benefits of mass-terminable flat cable with the electrical performance of twisted pairs, with the added benefits of halogen-free, highly flame retardant cable. This cable is well suited to equipment such as communications and computing applications, within closed environments, or wherever PVC is forbidden. This mass-terminable cable can attain up to 95% labor-savings over discrete strip & crimp termination methods. Twist 'N' Flat consists of 18" (45,7 cm) sections of stranded round conductors, twisted into pairs, with 2" (5,1 cm) flat sections of parallel conductors for termination.

benefits

- Twist is reversed in adjacent pairs for reduced cross-talk
- Wide range of operating temperatures: -25°C to +90°C
- Highly flame retardant: limiting oxygen index of 39%
- Reduced generation of toxic and corrosive gases during combustion
- Low smoke generation upon combustion
- Put-up in convenient 100' rolls
- Custom capabilities available:
 - Custom twist sections (6" to several feet), up to five different twist lengths in same cable, and repeat
 - Loose laminate sections for access to individual conductors

characteristics

physical

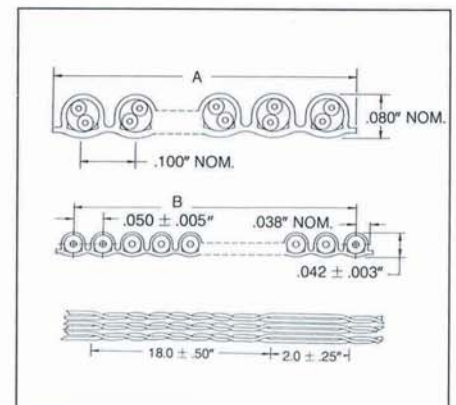
Conductors: 28 AWG, 7/36 strand, tinned copper
Insulation: .010" wall extruded, Halogen-Free, FR, Polyolefin
Thickness: .042", ±.003" (flat section)
Laminate: Halogen-Free, FR Polyolefin
Pitch: flats: .050" centers, ±.005", twisted-pairs: .100" (nominal) centers
Color code: tan common, brown, red, orange, yellow, green, blue, violet, gray, white, black, (repeat)
Limiting oxygen index: ASTM-D-2863 39%
Toxicity index: NES 713, 1.4
Smoke index: NES 711, 5.3
Acid gas generation: MIL-C-24643, 0.47%

electrical

Voltage: 300 V
Current rating: 1 amp nominal @ 10°C above ambient
Temperature rating: -25°C to +90°C (-13°F to 194°F)
Impedance: 100 ohms nominal
Capacitance: 14.0 pf/ft. (45,92 pf/m) nominal @ 1.0 MHz
Propagation delay: 1.6 ns/ft. (5,3 ns/m) nominal
Insulation resistance: 10¹⁰ ohms - 10 ft. (3 m) min.
Unbalanced crosstalk: 10' sample, 5 ns rise time with 2 lines driven, near end = 3.9% far end = 3.7%
Mode: ground-signal

order information

PART #	# PAIRS	WIDTH A " (mm)	SPAN B " (mm)
132-2829-010	5	.526 (13,36)	.450±.015 (11,43±0,38)
132-2829-014	7	.726 (18,44)	.650±.015 (16,51±0,38)
132-2829-016	8	.826 (20,98)	.750±.015 (19,05±0,38)
132-2829-020	10	1.026 (26,06)	.950±.015 (24,13±0,38)
132-2829-026	13	1.326 (33,68)	1.250±.015 (31,75±0,38)
132-2829-034	17	1.726 (43,84)	1.650±.015 (41,91±0,38)
132-2829-036	18	1.826 (46,38)	1.750±.015 (44,45±0,38)
132-2829-040	20	2.026 (51,46)	1.950±.020 (49,53±0,51)
132-2829-050	25	2.526 (64,16)	2.450±.020 (62,23±0,51)
132-2829-060	30	3.026 (76,86)	2.950±.020 (74,93±0,51)
132-2829-064	32	3.226 (81,94)	3.125±.025 (80,01±0,64)



Consult factory for 132-2821-0XX -65°C to +150°C version

720 Sherman Avenue Hamden CT, 06514 in CT, call 1.203.281.3200 Fax 1.203.281.5872
 1.800.846.6400 sales@spectra-strip.com http://www.spectra-strip.com