

**description**

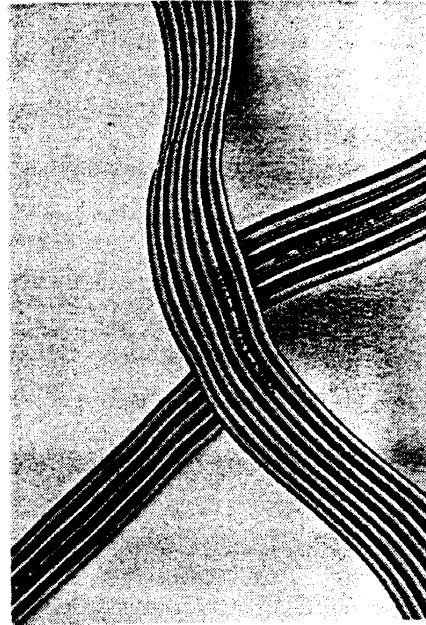
Colour Coded Cable is ideal for applications in digital and analog signal transmission. Colour-coded cables are designed for mass-termination techniques including Spectra-Strip IDC connectors. With conductor centres the same as the contact centres of the connector, separation and stripping of individual conductors is completely eliminated. The colour coding allows easy circuit tracing and routing.

Spectra-Strip-colour-coded cable consists of stranded round conductors preinsulated with colour-coded PVC and laminated on specific centres between layers of clear PVC film to form a ribbon cable. Available in 100-foot putups, packaged in dispenser boxes.

Spectra-Strip has the ability to custom design a ribbon cable for your exact needs. We can provide you with exact electrical and mechanical characteristics by varying the conductor spacing and cable insulation. For custom designs, please consult the Spectra-Strip sales office nearest you.

**Electrical**

Voltage rating: 300 V  
 Current rating: 1 amp nominal at 10°C. above ambient  
 Temperature rating: 105°C  
 Impedance: 105 ohms nominal  
 Capacitance: 17.0 pf/ft (55.8 pf/m) nominal



Crosstalk: 10' sample, 5 ns rise time with 2 lines driven.

NE = 4.0% FE = 4.6% nominal  
 Propagation delay: 1.4 ns/ft (4.6 ns/m) nominal.

Insulation resistance: 10<sup>10</sup> ohms/10 ft (3 m) min.

UL style number: Component wire style 1731. Cable style 20130 (105°C).

CSA: Cable may be certified under Canadian Standards Association (CSA) Appliance Wiring Material Program (specify at time of order). CSA AWM 80°C, 300 V, SR-PVC.

**benefits**

- Fast, low-cost mass termination.
- Precise spacing for controlled electrical characteristics.
- Colour coded for easy identification.
- Double contour allows termination from either side of cable.
- Easy conductor separation for circuit routing.
- UL and CSA recognized.

**characteristics**

**Physical**

Conductors: 28 AWG, 7/36 strand, tinned copper  
 Number of conductors: 9 thru 64  
 Colour code: Brown, red, orange, yellow, green, blue, violet, grey, white, black (repeat)  
 Conductor spacing: .050" ± .005"  
 Cable thickness: .042" nominal  
 Laminate: Clear PVC, self-extinguishing

**other capabilities**

- Colour coded ribbon cable with repeated separated conductor lengths, allows IDC and discrete wiring.

**Alternative Construction**

| Part Number  | AWG-Strand | Conductor pitch |
|--------------|------------|-----------------|
| 135-2601-XXX | 26-7/34    | .085"           |
| 135-2401-XXX | 24-7/32    | .085"           |
| 135-2602-XXX | 26-7/34    | .100"           |
| 135-2402-XXX | 24-7/32    | .100"           |
| 135-2603-XXX | 26-7/34    | .125"           |
| 135-2604-XXX | 26-7/34    | .156"           |
| 135-2403-XXX | 24-7/32    | .156"           |
| 135-2201-XXX | 22-7/30    | .156"           |

**order information**

Series 135-2802 28 AWG, 7/36 .050" centres

| Part Number  | No. Cond. | Width 'A' |         | Span 'B'     |                |
|--------------|-----------|-----------|---------|--------------|----------------|
|              |           | Inches    | (mm)    | Inches       | (mm)           |
| 135-2802-310 | 10        | .505      | (12,83) | .450 ± .015  | (11,43 ± 0,38) |
| 135-2802-314 | 14        | .705      | (17,78) | .650 ± .007  | (16,51 ± 0,38) |
| 135-2802-316 | 16        | .805      | (20,45) | .750 ± .015  | (19,05 ± 0,38) |
| 135-2802-320 | 20        | 1.005     | (25,53) | .950 ± .015  | (24,13 ± 0,38) |
| 135-2802-324 | 24        | 1.205     | (30,61) | 1.150 ± .015 | (29,21 ± 0,38) |
| 135-2802-325 | 25        | 1.255     | (31,88) | 1.200 ± .015 | (30,48 ± 0,38) |
| 135-2802-326 | 26        | 1.305     | (33,15) | 1.250 ± .015 | (31,75 ± 0,38) |
| 135-2802-334 | 34        | 1.705     | (43,31) | 1.650 ± .015 | (41,91 ± 0,38) |
| 135-2802-336 | 36        | 1.805     | (45,85) | 1.750 ± .015 | (44,45 ± 0,38) |
| 135-2802-337 | 37        | 1.855     | (47,12) | 1.800 ± .015 | (45,72 ± 0,51) |
| 135-2802-340 | 40        | 2.005     | (50,92) | 1.950 ± .020 | (49,53 ± 0,51) |
| 135-2802-350 | 50        | 2.505     | (63,63) | 2.450 ± .020 | (62,23 ± 0,51) |
| 135-2802-360 | 60        | 3.005     | (76,33) | 2.950 ± .020 | (76,93 ± 0,51) |
| 135-2802-364 | 64        | 3.205     | (81,41) | 3.205 ± .020 | (80,01 ± 0,51) |

Consult sales office for availability and other constructions.

