



[Part Information](#) | [Outline Drawing](#) | [Download PDF File](#)

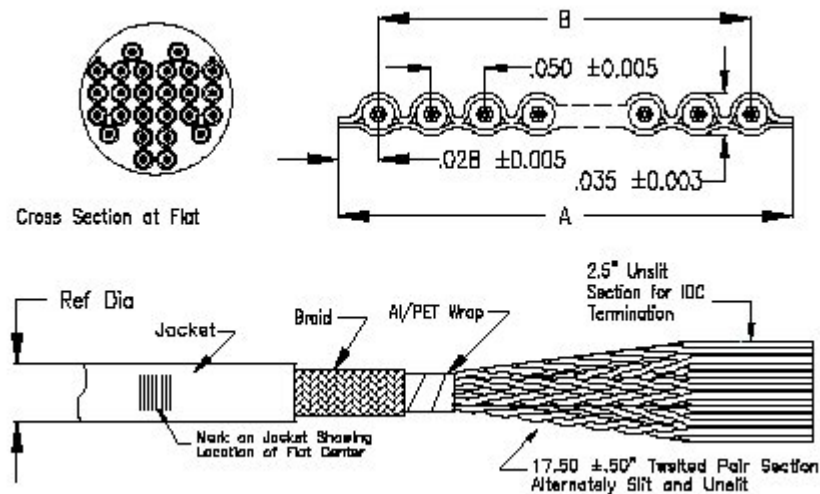
Part Information:

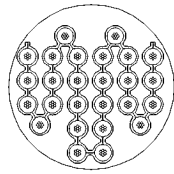
Part Number: 159-2832-0XX

Description: Shielded Jacketed Twist and Flat, 28 AWG, .050" centers

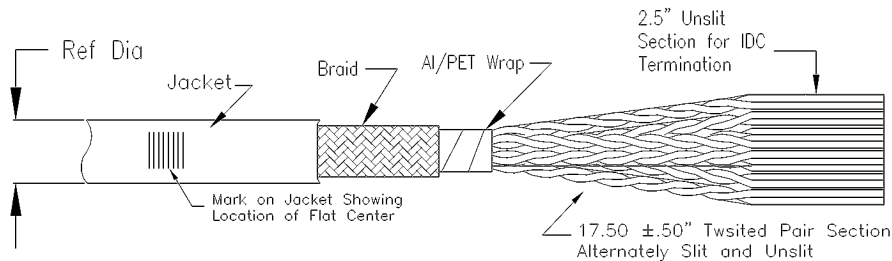
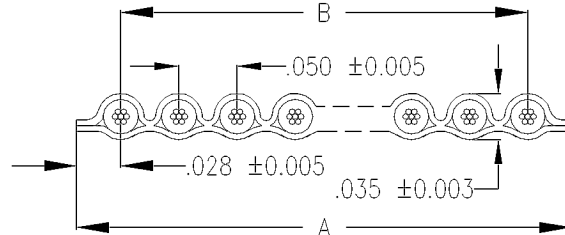
Family: External Round Shielded

Outline Drawing





Cross Section at Flat



| PART NUMBER | PAIRS | COND | A SPAN | | B SPAN | | Ref Dia |
|--------------|-------|------|--------|---------|--------|---------|---------|
| | | | Inches | (mm) | Inches | (mm) | |
| 159-2832-010 | 5 | 10 | 0.526 | (13,36) | 0.450 | (11,43) | .300 |
| 159-2832-014 | 7 | 14 | 0.726 | (18,44) | 0.650 | (16,51) | .330 |
| 159-2832-016 | 8 | 16 | 0.826 | (20,98) | 0.750 | (19,05) | .340 |
| 159-2832-020 | 10 | 20 | 1.026 | (26,06) | 0.950 | (24,13) | .380 |
| 159-2832-026 | 13 | 26 | 1.326 | (33,68) | 1.250 | (31,75) | .410 |
| 159-2832-034 | 17 | 34 | 1.726 | (43,84) | 1.650 | (41,91) | .450 |
| 159-2832-040 | 20 | 40 | 2.026 | (51,46) | 1.950 | (49,53) | .480 |
| 159-2832-050 | 25 | 50 | 2.526 | (64,16) | 2.450 | (62,23) | .520 |
| 159-2832-060 | 30 | 60 | 3.026 | (76,86) | 2.950 | (74,93) | .560 |
| 159-2832-064 | 32 | 64 | 3.226 | (81,94) | 3.150 | (80,01) | .570 |
| 159-2832-068 | 34 | 68 | 3.426 | (87,02) | 3.350 | (85,09) | .580 |

PHYSICAL

- Conductors: 28 AWG 7/36 Tinned Copper
- Insulation: .010" PVC
- Laminate: (2) .005" Clear PVC
- Color Code: Tan Common: Brown, Red, Orange, Yellow, Green, Blue, Violet, Gray, White, Black and Repeat.
- Shielding: .001" Aluminum/Polyester with 85% minimum coverage Tinned Copper Braid
- Jacket: .030" Black PVC
- Temperature: 105°C

ELECTRICAL

- Impedance: 70 ohms
- Capacitance: 25 pF/ft at 1MHz
- Prop Delay: 1.65 ns/ft
- Current Rating: 1.3 A at 10°C Rise Above Ambient
- Voltage Rating: 300 V
- Insulation Res: 10¹⁰ ohms – 10 ft minimum
- Approvals: UL Listed Type CL2
CSA AWM FT-1
- Above Values calculated in the ground-signal Configuration

Shielding Variations: -1XX Foil Only; -2XX No Shield with Polyester Wrap.
Note: Reference Diameters are .030" to .040" smaller

All Dimensions in Inches Unless Otherwise Noted.

| | | | | | | | |
|-------|----------|----|-----|--------|------------------------------------|-------------------------------|--------------|
| DRAWN | PROD ENG | QA | MKT | P/ECN# | DRAWING NO. 159-2832-0XX | AMPHENOL SPECTRA-STRIP | Rev L |
| | | | | | TITLE: Round Twist 'N' Flat® Cable | | SHEET 1 of 1 |