



ABL ELECTRONIC SUPPLIES, INC.
 1032-A CENTRAL DRIVE NW
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MULTI-CONDUCTOR FOIL/BRAID SHIELD

UL 2464 Type CM or Type CL2 CSA PCC

| CATALOG NUMBER | NO. OF COND. | AWG SIZE | COND STRAND | NOM. INSUL. THICKNESS | | NOM. JACKET THICKNESS | | NOMINAL O.D. | | NOMINAL DCR Ohms/M @ 20 C | | NOMINAL CAP. pF/ft | |
|----------------|--------------|----------|-------------|-----------------------|------|-----------------------|------|--------------|------|---------------------------|------|--------------------|------|
| | | | | Inches | mm | Inches | mm | Inches | mm | C | D | A | B |
| C0939* | 3 | 28 | 7/36 | 0.01 | 0.25 | 0.032 | 0.81 | 0.166 | 4.22 | 64.9 | 14.2 | 22 | 39.6 |
| C0940* | 4 | 28 | 7/36 | 0.01 | 0.25 | 0.032 | 0.81 | 0.176 | 4.47 | 64.9 | 9.4 | 22 | 39.6 |
| C0941* | 5 | 28 | 7/36 | 0.01 | 0.25 | 0.032 | 0.81 | 0.186 | 4.72 | 64.9 | 9.4 | 22 | 39.6 |
| C0942* | 6 | 28 | 7/36 | 0.01 | 0.25 | 0.032 | 0.81 | 0.196 | 4.98 | 64.9 | 10.2 | 22 | 39.6 |
| C0943* | 7 | 28 | 7/36 | 0.01 | 0.25 | 0.032 | 0.81 | 0.196 | 4.98 | 64.9 | 10.2 | 22 | 39.6 |
| C0944* | 8 | 28 | 7/36 | 0.01 | 0.25 | 0.032 | 0.81 | 0.207 | 5.26 | 64.9 | 10.4 | 22 | 39.6 |
| C0945* | 9 | 28 | 7/36 | 0.01 | 0.25 | 0.032 | 0.81 | 0.217 | 5.51 | 64.9 | 6.3 | 20 | 36 |
| C0946* | 10 | 28 | 7/36 | 0.01 | 0.25 | 0.032 | 0.81 | 0.231 | 5.87 | 64.9 | 7 | 20 | 36 |
| C0947 | 15 | 28 | 7/36 | 0.01 | 0.25 | 0.032 | 0.81 | 0.256 | 6.5 | 64.9 | 10.2 | 20 | 36 |
| C0948 | 25 | 28 | 7/36 | 0.01 | 0.25 | 0.032 | 0.81 | 0.301 | 7.65 | 64.9 | 4.5 | 20 | 36 |
| C0951 | 3 | 24 | 7/32 | 0.01 | 0.25 | 0.032 | 0.81 | 0.186 | 4.72 | 26 | 8.6 | 35 | 63 |
| C0952 | 4 | 24 | 7/32 | 0.01 | 0.25 | 0.032 | 0.81 | 0.197 | 5 | 26 | 9.8 | 35 | 63 |
| C0953 | 5 | 24 | 7/32 | 0.01 | 0.25 | 0.032 | 0.81 | 0.21 | 5.33 | 26 | 6.5 | 35 | 63 |
| C0954 | 6 | 24 | 7/32 | 0.01 | 0.25 | 0.032 | 0.81 | 0.223 | 5.66 | 26 | 7 | 30 | 54 |
| C0955 | 7 | 24 | 7/32 | 0.01 | 0.25 | 0.032 | 0.81 | 0.223 | 5.66 | 26 | 7.1 | 30 | 54 |
| C0956 | 8 | 24 | 7/32 | 0.01 | 0.25 | 0.032 | 0.81 | 0.237 | 6.02 | 26 | 7.3 | 30 | 54 |
| C0957 | 9 | 24 | 7/32 | 0.01 | 0.25 | 0.032 | 0.81 | 0.25 | 6.35 | 26 | 7.5 | 30 | 54 |
| C0958 | 10 | 24 | 7/32 | 0.01 | 0.25 | 0.032 | 0.81 | 0.267 | 6.78 | 26 | 6.9 | 30 | 54 |
| C0959 | 15 | 24 | 7/32 | 0.01 | 0.25 | 0.032 | 0.81 | 0.298 | 7.57 | 26 | 6 | 30 | 54 |
| C0960 | 20 | 24 | 7/32 | 0.01 | 0.25 | 0.032 | 0.81 | 0.325 | 8.26 | 26 | 5.8 | 30 | 54 |

| | | | | | | | | | | | | | |
|---|----|----|------|------|------|-------|------|-------|------|----|-----|----|----|
| C0961 | 25 | 24 | 7/32 | 0.01 | 0.25 | 0.032 | 0.81 | 0.355 | 9.02 | 26 | 5.1 | 30 | 54 |
| For item above use Color Code Chart 1. For items below use Color Code Chart 2. | | | | | | | | | | | | | |
| C0971 | 3 | 22 | 7/30 | 0.01 | 0.25 | 0.032 | 0.81 | 0.199 | 5.05 | 15 | 6.2 | 37 | 67 |
| C0972 | 4 | 22 | 7/30 | 0.01 | 0.25 | 0.032 | 0.81 | 0.212 | 5.38 | 15 | 5 | 37 | 67 |
| C0973 | 5 | 22 | 7/30 | 0.01 | 0.25 | 0.032 | 0.81 | 0.226 | 5.74 | 15 | 7.1 | 37 | 67 |
| C0974 | 6 | 22 | 7/30 | 0.01 | 0.25 | 0.032 | 0.81 | 0.241 | 6.12 | 15 | 7.9 | 35 | 63 |
| C0975 | 7 | 22 | 7/30 | 0.01 | 0.25 | 0.032 | 0.81 | 0.241 | 6.12 | 15 | 7.9 | 35 | 63 |
| C0976 | 8 | 22 | 7/30 | 0.01 | 0.25 | 0.032 | 0.81 | 0.257 | 6.53 | 15 | 5.1 | 35 | 63 |
| C0977 | 9 | 22 | 7/30 | 0.01 | 0.25 | 0.032 | 0.81 | 0.272 | 6.91 | 15 | 5.1 | 35 | 63 |
| C0978 | 10 | 22 | 7/30 | 0.01 | 0.25 | 0.032 | 0.81 | 0.291 | 7.39 | 15 | 4.9 | 35 | 63 |
| C0979 | 15 | 22 | 7/30 | 0.01 | 0.25 | 0.032 | 0.81 | 0.326 | 8.28 | 15 | 4.1 | 35 | 63 |
| C0980 | 20 | 22 | 7/30 | 0.01 | 0.25 | 0.032 | 0.81 | 0.357 | 9.07 | 15 | 3.7 | 35 | 63 |
| C0981 | 25 | 22 | 7/30 | 0.01 | 0.25 | 0.032 | 0.81 | 0.391 | 9.93 | 15 | 3.1 | 35 | 63 |
| Use Color Code Chart 2 for the items in the grouping above.. | | | | | | | | | | | | | |
| A - Capacitance between conductors. | | | | | | | | | | | | | |
| B - Capacitance between one conductor and other conductors connected to shield. | | | | | | | | | | | | | |
| C - Conductor. | | | | | | | | | | | | | |
| D - Shield. | | | | | | | | | | | | | |

These cable products can be cut to length, jacket removed, and conductors stripped to custom specifications

COLOR CODE CHART 1

| No. of Conductors | Color | No. of Conductors | Color |
|-------------------|-------|-------------------|-----------------|
| 1 | Black | 6 | Blue |
| 2 | White | 7 | Orange |
| 3 | Red | 8 | Yellow |
| 4 | Green | 9 | Purple (Violet) |
| 5 | Brown | 10 | Gray (Slate) |

COLOR CODE CHART 2

| No. of Conductors | Color | No. of Conductors | Color |
|--------------------------|--------------|--------------------------|-------------------|
| 1 | Black | 14 | Green/White |
| 2 | White | 15 | Blue/White |
| 3 | Red | 16 | Black/Red |
| 4 | Green | 17 | White/Red |
| 5 | Orange | 18 | Orange/Red |
| 6 | Blue | 19 | Blue/Red |
| 7 | White/Black | 20 | Red/Green |
| 8 | Red/Black | 21 | Orange/Green |
| 9 | Green/Black | 22 | Black/White/Red |
| 10 | Orange/Black | 23 | White/Black Red |
| 11 | Blue/Black | 24 | Red/Black/White |
| 12 | Black/White | 25 | Green/Black/White |
| 13 | Red/White | | |

Product Construction:

Conductor:

- 28 thru 22 AWG fully annealed stranded tinned copper per ASTM B-33

Insulation:

- Premium grade color coded sem-rigid PVC per UL 1061

Shield:

- 100% Flexfoil[®] aluminum/polyester
25% overlap, foil facing out
- Stranded tinned copper drain wire (28 AWG only)
- 65% tinned copper braid

Jacket:

- PVC, gray
- Temperature Range: -20°C to + 80°C
- Voltage Rating: 300 Volts

Applications:

- Computers
- Industrial equipment
- Data transmission
- Control circuits
- Suitable for EIA RS-232 applications

Features:

- Provides good flexibility
- Superior shielding where noise rejection is critical
- Aids system designer to meet FCC Docket 20780 demands

Compliances:

- NEC Article 725 Type CL2 - 28 AWG (UL-75°C)
- NEC Article 800 Type CM -22 & 24 AWG (UL- 75°C)
- UL Style 2464 (UL- 80°C, 300V)
- CSA PCC (CSA: 60°C)
- Passes UL 70,000 BTU Vertical Tray Flame test
- Passes CSA FT4 Flame Test
- OSHA acceptable