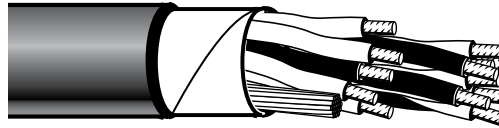


DIGITAL DATA TRANSMISSION CABLES



Low Voltage Computer Cable

- D-210 Series
- UL AWM Style 2835

| Characteristic | Balanced** | Single-ended |
|-----------------------|---|--------------------------|
| Impedance | 110. ohms \pm 10% | 63. ohms \pm 7% |
| Capacitance | 14. pf/ft (46. pf/mtr) | 23. pf/ft (68.9 pf/mtr) |
| Signal Delay | 1.61 ns/ft (5.28 ns/mtr) | 1.61 ns/ft (5.28 ns/mtr) |
| DC Resistance/100 ft. | 5.6 ohms loop | 5.6 ohms loop |
| Insulation Breakdown | 6. KV DC | 6. KV DC |
| Insulation Resistance | >1000. megohms/1000 ft | >1000. megohms/1000 ft |
| Temperature Range | -20°C up to +75°C (+60°C for U.L. 2835) | |
| Min. Bend Radius | 9 x cable diameter | |

Cabled multiple D-210 individually shielded & jacketed 110-ohm pairs

| Part No. | No. of Pairs | Cond. AWG /Strand | Diameter Inches | Diameter mm | O'all TC Braid Shield | O' all Sheath |
|----------|--------------|-------------------|-----------------|-------------|-----------------------|---------------|
| D-210-1 | 1 | 24(7) | .220 | 5.6 | NO | PVC |
| D-210-12 | 12 | 24(7) | .980 | 24.9 | NO | PVC |
| D-210-15 | 15 | 24(7) | 1.06 | 26.9 | NO | PVC |
| D-210-20 | 20 | 24 (7) | 1.20 | 30.5 | NO | PVC |

| | | | | | | |
|-------------|----|--------|------|------|-----|-----|
| D-210-1-RF | 1 | 24(7) | .240 | 6.1 | YES | PVC |
| D-210-12-RF | 12 | 24(7) | 1.01 | 25.7 | YES | PVC |
| D-210-15-RF | 15 | 24(7) | 1.09 | 27.7 | YES | PVC |
| D-210-20-RF | 20 | 24 (7) | 1.23 | 31.2 | YES | PVC |

Individual pairs are identified by use of a colored spiral stripe on the white PVC jacket. All pairs have one green wire and one white (natural) wire. Pair insulation is polyethylene.

For high-noise and long run applications, National has developed the D-210 series individually-shielded & jacketed 110-ohm data pair cables. Pair shields are aluminum-polyester foil with drain wire.

An additional overall isolated tinned-copper shield braid may be specified by the suffix-RF on the part number.