



### **RapidRun® HD15 Male Flying Lead**

- Color Code: Yellow (for use with PC Runners)
- Supports resolutions up to 1600 x 1200 pixels (UXGA resolution)
- Three 28AWG coaxial cables with braided copper shielding, three 24AWG twisted pair, and a single 24AWG pair
- Fully molded connector provides excellent strain relief
- Lifetime Warranty

\*The specifications apply only to the raw cable used to construct the cable assemblies

## Specifications: RapidRun® HD15 Male Flying Lead

### Electrical Characteristics:

|                               |                      |
|-------------------------------|----------------------|
| Impedance:                    | 75 ± 5 Ohm           |
| Capacitance:                  | 71 ± 2 pF/ ft nom    |
| Velocity of Propagation:      | 78 ± 1%              |
| DC Resistance:                | 237 ± 10 Ω/km        |
| Dielectric Strength:          | 500VAC/1 minute min. |
| Insulation Resistance (500V): | 10 MΩ/KM             |
| Attenuation (dB/6m):          |                      |

| Frequency | Red Coax | Green Coax | Blue Coax |
|-----------|----------|------------|-----------|
| 1 MHz     | 0.1464   | 0.1376     | 0.1419    |
| 10 MHz    | 0.86     | 0.97       | 0.4058    |
| 100 MHz   | 2.98     | 3.23       | 1.259     |
| 200 MHz   | 4.45     | 4.87       | 1.823     |
| 500 MHz   | 6.72     | 7.75       | 3.0028    |
| 700 MHz   | 9.95     | 12.01      | 3.64      |
| 1000 MHz  | 13.20    | 17.52      | 4.5923    |

3 Twisted Pairs + 2 Conductors

|                        |                      |
|------------------------|----------------------|
| DC Resistance:         | 93.25 Ω/m at 20°C    |
| Dielectric Strength:   | 750VAC/1 minute min. |
| Insulation Resistance: | 100 Mohm/KM at 20°C  |

### Physical Characteristics:

|                     |             |
|---------------------|-------------|
| Voltage Rating:     | 30V         |
| Temperature Rating: | 80°C        |
| Temperature Range:  | -25° ~ 80°C |

|               |                |
|---------------|----------------|
| Approvals:    | RoHS Compliant |
| Warranty:     | Lifetime       |
| Package Type: | Polybag        |

| Item  | Description                          | Weight (lbs) |
|-------|--------------------------------------|--------------|
| 40725 | 1.5ft RapidRun HD15 Male Flying Lead | 0.35         |
| 42103 | 3ft RapidRun HD15 Male Flying Lead   | 0.43         |
| 42104 | 6ft RapidRun HD15 Male Flying Lead   | 0.66         |
| 42105 | 10ft RapidRun HD15 Male Flying Lead  | 0.99         |

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### Conductor (Qty. 3):

|                 |   |
|-----------------|---|
| Conductor Type: | 28AWG 7/0.127<br>Tinned Copper                                      |
| Dielectric:     | Minimum Avg. Thickness: 1.57mm<br>Foam PE                           |
| Shield:         | Spiral 90% Coverage<br>Tinned Copper                                |
| Insulation:     | Minimum Avg. Thickness: 0.23mm<br>PVC: (1) red, (1) blue, (1) green |

### Conductor (Qty. 3 Twisted Pair + 2 Conductors):

|                 |   |
|-----------------|---|
| Conductor Type: | 24AWG 7/0.2<br>Tinned Copper                        |
| Insulation:     | Minimum Avg. Thickness: 0.23mm<br>PVC               |
| Shield:         | Aluminum Mylar® Wrap 100%<br>(Twisted Pair Only)    |
| Drain Wire:     | 24AWG 7/020<br>Tinned Copper<br>(Twisted Pair Only) |

### HD15 Connector (Qty. 1):

|                   |                           |
|-------------------|---------------------------|
| Connector Type:   | High Density D-Sub 15-pin |
| Gender:           | Male                      |
| Contact Material: | Brass, 3µm Gold Plating   |
| Insulation:       | Black PBT                 |

Note: Pin 9 is not loaded.

### RapidRun Din Connector (Qty. 1):

|                   |                         |
|-------------------|-------------------------|
| Connector Type:   | DIN 15-pin              |
| Gender:           | Male                    |
| Contact Material: | Brass, 3µm Gold Plating |
| Insulation:       | Black PBT               |

### Overall Cable:

|                 |  |
|-----------------|--|
| Shield:         | Aluminum Mylar Wrap – 100%<br>Braided Shield 24/8/0.12<br>- 85% Coverage - Tinned Copper |
| Jacket:         | Minimum Avg. Thickness – 0.76 mm<br>Matte PVC  |
| Outer Diameter: | 9.0 ± 0.15mm   |

