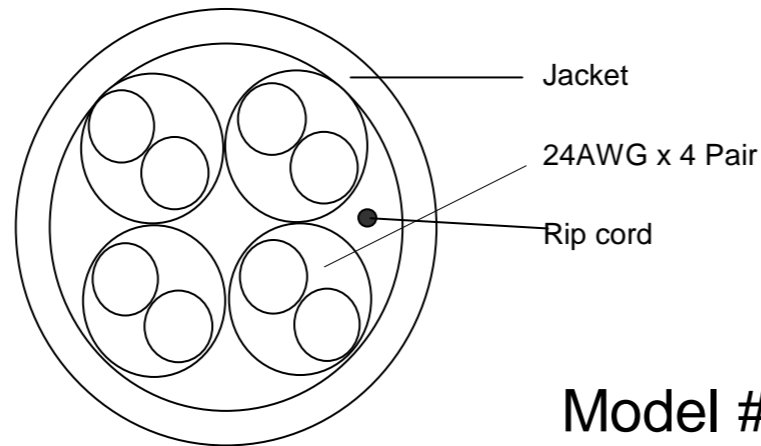


# Stellar Labs™



### Conductor Colors

1. Blue-White/Blue
2. Orange-White/Orange
3. Green-White/Green
4. Brown-White/Brown

Model # 24-10525

### SPECIFICATIONS

|                              |                                  |
|------------------------------|----------------------------------|
| Conductors                   | 4 Pair                           |
| Conductor material           | Bare Copper Solid                |
| Conductor Size               | 24AWG; 1 / 0.50 ± 0.008 mm       |
| Insulation Material          | Polyethylene                     |
| Thickness                    | 0.18±0.02 mm                     |
| Diameter                     | 0.89 ± 0.01 mm                   |
| Rip Cord Material            | Nylon                            |
| Jacket Material              | PVC (CMR/CMP)                    |
| Jacket Thickness             | 0.50 mm (Min. Thickness: 0.45mm) |
| Jacket Diameter              | 5.0 ± 0.10 mm                    |
| <b>ELECTRICAL PROPERTIES</b> |                                  |
| Conductor Resistance         | Max. 93.8 ohms/km at 20°C        |
| Insulation Resistance        | Min. 5000 mega ohms-km at 20°C   |
| Dielectric Test              | 1000V DC /1 min ; No Breakdown   |
| Temperature Rating           | 75°C                             |
| Voltage Rating               | 30V                              |

| MHZ   | Zin-OS (Ohm) | Fitted Z (Ohm) | SRL (dB) | ATT(PATCH) (dB/100M) | DELAY (ns/100M) | MAX. DELAY SKEW(ns/100M) | NEXT (dB) | PSNEXT (dB) |
|-------|--------------|----------------|----------|----------------------|-----------------|--------------------------|-----------|-------------|
| 0.772 |              |                | 19.40    | 1.8                  | 574.97          | 45.0                     | 67        | 64          |
| 1     |              |                | 20.00    | 2                    | 570             | 45.0                     | 65.3      | 62.31       |
| 4     |              |                | 23.00    | 4.1                  | 552.00          | 45.0                     | 56.3      | 53.28       |
| 8     |              |                | 24.50    | 5.8                  | 546.73          | 45.0                     | 51.8      | 48.77       |
| 10    |              |                | 25.00    | 6.5                  | 545.38          | 45.0                     | 50.3      | 47.31       |
| 16    | 100±15       | 100±15         | 25.00    | 8.2                  | 543.00          | 45.0                     | 47.3      | 44.25       |
| 20    |              |                | 25.00    | 9.3                  | 542.05          | 45.0                     | 45.8      | 42.8        |
| 25    |              |                | 24.30    | 10.4                 | 541.20          | 45.0                     | 44.3      | 41.35       |
| 31.25 |              |                | 23.60    | 11.7                 | 540.44          | 45.0                     | 42.9      | 39.89       |
| 62.5  |              |                | 21.50    | 17                   | 538.55          | 45.0                     | 38.4      | 35.38       |
| 100   |              |                | 20.10    | 22                   | 537.60          | 45.0                     | 35.3      | 32.31       |

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