

## Electrical Characteristics

### 3 Coax Conductor:

- Impedance:  $75 \pm 5 \Omega$
- Capacitance:  $71 \pm 2 \text{ pF/ft}$
- Velocity of propagation:  $78 \pm 1\%$
- DC resistance:  $237 \pm 10 \Omega/\text{km}$
- Dielectric strength: 500VAC/1 minute min.
- Insulation resistance (500V):  $10 \text{ M}\Omega/\text{KM}$

### 3 Twisted Pair Conductors

- DC resistance:  $93.25 \Omega/\text{m}$  at  $20^\circ\text{C}$
- Dielectric strength: 750VAC/minute min.
- Insulation resistance:  $100 \text{ M}\Omega/\text{KM}$  at  $20^\circ\text{C}$

## Physical Characteristics

- Voltage rating: 30V
- Temperature rating:  $80^\circ\text{C}$
- Temperature range:  $-25^\circ - 80^\circ\text{C}$
- Minimum bend radius: 90mm

### Conductor (qty. 3)

- Conductor type: 28AWG (7/0.127) (tinned copper)
- Dielectric: Foam PE
- Shield: Spiral shield (tinned copper) (90% coverage)
- Insulation: PVC

### Conductor (qty. 3 twisted pair)

- Conductor type: 24AWG (7/0.2) (tinned copper)
- Foil shield: Aluminum foil (100% coverage)
- Insulation: PVC

### Conductor (qty. 2 conductors)

- Conductor type: 24AWG (7/0.2) (tinned copper)
- Insulation: PVC

### Overall Cable

- Foil shield: Aluminum foil (100% coverage)
- Braided shield: 24/8/0.12 (tinned copper) (85% coverage)
- Jacket: Matte PVC - CMG rated

### RapidRun Din Connector

- Connector type: 15-pin DIN
- Contact material: Brass,  $3 \mu\text{m}$  gold plating
- Insulation: Black PBT
- Dimensions (DxL): 16.0 x 39.0mm