



**Product:** [9462ZH](#)

Electronic, 2 C #22 Str TC, PO Ins, OS, LSZH Jkt, CMG

[Request Sample](#)

Product Description

Electronic, 2 Conductor 22AWG (7x30) Tinned Copper, PO Insulation, Overall Beldfoil® Shield, LSZH Outer Jacket, CMG

Technical Specifications

Construction Details

Conductor

| Element | No. of Elements | Size   | Stranding | Material           |
|---------|-----------------|--------|-----------|--------------------|
| Pair(s) | 1               | 22 AWG | 7x30      | TC - Tinned Copper |

Insulation

| Element | Material           | Nom. Thickness       | Nom. Insulation Diameter | Color Code    |
|---------|--------------------|----------------------|--------------------------|---------------|
| Pair(s) | PP - Polypropylene | 0.0135 in (0.343 mm) | 0.056 in (1.4 mm)        | Black and Red |

Outer Shield

| Shield Type | Material                | Coverage | Drainwire Type   |
|-------------|-------------------------|----------|------------------|
| Tape        | Bi-Laminate (Alum+Poly) | 100%     | 22 AWG (7x30) TC |

Outer Jacket

| Material                                        | Nom. Thickness     | Nom. Diameter |
|-------------------------------------------------|--------------------|---------------|
| LSZH - Low Smoke Zero Halogen (Flame Retardant) | 0.035 in (0.89 mm) | 0.185 in      |

Overall Cable Diameter (Nominal): 0.185 in.

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current                 |
|--------------------|-------------------------------|-------------------------------------------------|------------------------------|
| 17.8 Ohm/1000ft    | 25.0 pF/ft (82.0 pF/m)        | 45.0 pF/ft (148 pF/m)                           | 3 Amps per Conductor at 25°C |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V             |

Mechanical Characteristics

Temperature

| UL Temperature | Operating     |
|----------------|---------------|
| 75°C           | -20°C to 75°C |

Bend Radius

| Stationary Min.   | Installation Min. |
|-------------------|-------------------|
| 1.85 in (47.0 mm) | 1.85 in           |

Max. Pull Tension: 27 lbs (12 kg)

Bulk Cable Weight: 17 lbs/1000ft

Standards and Compliance

|                                  |                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor                                                                                                                    |
| Flammability / Reaction to Fire: | UL 1685 FT4 Loading                                                                                                       |
| NEC / UL Compliance:             | Article 800, CMG                                                                                                          |
| AWM Compliance:                  | AWM 21307                                                                                                                 |
| CEC / C(UL) Compliance:          | CMG                                                                                                                       |
| European Directive Compliance:   | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance:                 | China RoHS II (GB/T 26572-2011)                                                                                           |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.282 Revision Date: 02-15-2024 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #         | Color | UPC          |
|----------------|-------|--------------|
| 9462ZH 0101000 | Black | 612825382294 |
| 9462ZH 010500  | Black | 612825382300 |

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