



**Product:** [9418ZH](#)

Electronic, 4 C #18 Str TC, PO Ins, OS, LSZH Jkt, CMG

[Request Sample](#)

**Product Description**

Electronic, 4 Conductor 18AWG (19x30) Tinned Copper, PO Insulation, Overall Beldfoil® Shield, LSZH Outer Jacket, CMG

**Technical Specifications**

**Construction Details**

| Conductor    |                 |      |           |                    |
|--------------|-----------------|------|-----------|--------------------|
| Element      | No. of Elements | Size | Stranding | Material           |
| Conductor(s) | 4               | 18   | 19x30     | TC - Tinned Copper |

| Insulation         |                    |                          |                          |
|--------------------|--------------------|--------------------------|--------------------------|
| Material           | Nom. Thickness     | Nom. Insulation Diameter | Color Code               |
| PP - Polypropylene | 0.011 in (0.28 mm) | 0.66 in (17 mm)          | Red, Green, White, Black |

| Outer Shield |                         |          |                  |
|--------------|-------------------------|----------|------------------|
| Shield Type  | Material                | Coverage | Drainwire Type   |
| Tape         | Bi-Laminate (Alum+Poly) | 100%     | 24 AWG (7x32) TC |

| Outer Jacket                                    |                    |               |
|-------------------------------------------------|--------------------|---------------|
| Material                                        | Nom. Thickness     | Nom. Diameter |
| LSZH - Low Smoke Zero Halogen (Flame Retardant) | 0.035 in (0.89 mm) | 0.25 in       |

**Electrical Characteristics**

| Electricals        |                               |                                                 |                              |
|--------------------|-------------------------------|-------------------------------------------------|------------------------------|
| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current                 |
| 6.4 Ohm/1000ft     | 24.0 pF/ft (78.7 pF/m)        | 44.0 pF/ft (144 pF/m)                           | 5 Amps per Conductor at 20°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. |
| 2.5 in (64 mm)  | 2.5 in            |

|                    |                |
|--------------------|----------------|
| Max. Pull Tension: | 80 lbs (36 kg) |
| Bulk Cable Weight: | 42 lbs/1000ft  |

**Standards and Compliance**

|                            |        |
|----------------------------|--------|
| Environmental Suitability: | Indoor |
|----------------------------|--------|

|                                  |                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Flammability / Reaction to Fire: | UL1685 FT4 loading                                                                                                        |
| CPR Compliance:                  | CPR Euroclass: Eca; CPR UKCA Class: Eca                                                                                   |
| 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) |
| UK Regulation Compliance:        | UKCA Mark                                                                                                                 |
| APAC Compliance:                 | China RoHS II (GB/T 26572-2011)                                                                                           |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.359 Revision Date: 05-05-2023 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #         | Color | UPC          |
|----------------|-------|--------------|
| 9418ZH 0101000 | Black | 612825382218 |
| 9418ZH 010500  | Black | 612825382225 |

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