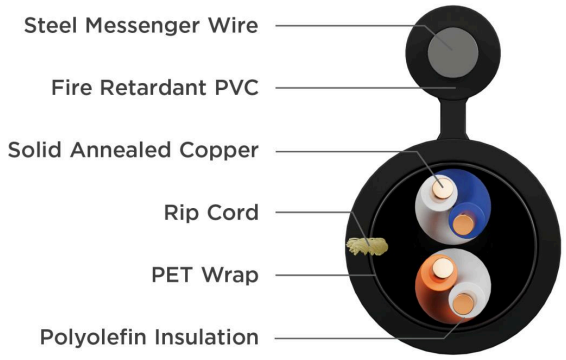
# Integrated Messenger Wire / Aerial / 2 Pairs / 19 AWG / Black / 200 M Coil

**Part Number:** 10-921-38
**Status:** Available




MADE IN THE USA

RoHS

## GENERAL SPECIFICATIONS

| | |
|---|---|
| **Region** | Canada |
| **Jacket** | PVC |
| **Jacket Color** | Black |
| **Core Assembly** | Individual conductor dimensions are tightly controlled to limit resistance unbalance of the twisted pairs; in multi-pair constructions, pair twist lays are varied to minimize crosstalk and meet capacitance limits; twisted pairs are formed into a firm, round core |
| **End User Application** | Aerial |
| **Environment** | Outdoor |
| **Messenger** | Steel Messenger Wire |
| **Standards Compliance** | Telcordia® GR-3163-CORE<br>ANSI/ICEA S-89-648-2011<br>RoHS-compliant |
| **NRTL Programs** | UL Listed |
| **AFTER GENERAL SPECIFICATIONS DISCLAIMER** | Telcordia® is a registered trademark of Ericsson Inc. UL is a registered trademark of UL LLC. |
| **Pairs** | 2 |
| **Conductor** | Solid Annealed Copper |

## GENERAL SPECIFICATIONS

| | |
|---|---|
| **AWG (mm)** | 19 (0.90) |
| **Insulation** | Polyolefin |

## PHYSICAL CHARACTERISTICS

| | |
|---|---|
| **Nominal Dimensions Minor in (mm)** | 0.27 (6.8) |
| **Nominal Dimensions Major in (mm)** | 0.51 (12.9) |
| **Nominal Weight lbs/kft (kg/km)** | 73 (109) |
| **Pallet Quantity (ft)** | 1,600 |
| **Package Length** | 656 |
| **Package Type** | Coil |
| **Standard Length ft (m)** | 656 (200) |
| **Support Size** | IM/G 0.095 |
| **Operating Temp. Range** | -49°F to +176°F (-45°C to +80°C) |
| **Storage/Shipping Temp. Range** | -49°F to +176°F (-45°C to +80°C) |
| **Installation Temp. Range** | -22°F to +140°F (-30°C to +60°C) |

## Product Description

IM/F, IM/H and IM/G aerial service wire in 2, 3, 6 and 12-pair is self supporting. The conductors are laid parallel to an (F) 0.083 inch, (H) 0.109 inch, or (G) 0.095 inch solid extra-strength steel support wire. Both the conductors and support wire are jacketed in an integral “figure 8” configuration. This product permits fast, economical installation from aerial distribution cable terminals to building entrance protectors or network interface units on the subscriber’s premises. The fully color coded core expedites splicing and terminating procedures. A black, fire retardant, polyvinyl chloride jacket provides a tough flexible protective covering that withstands exposure to sunlight, atmospheric temperatures and stresses encountered in standard installations. The steel support wire is jacketed in an integral extrusion with the core. Part number 10-921-38 is the black version: a 2-pair, 19 AWG aerial wire with solid annealed copper conductors, an integral steel support messenger (figure 8) and a PVC jacket; Canadian version. Nominal dimensions are 0.27 (6.8) × 0.51 (12.9) in (mm) with an approximate weight of 73 (109) lbs/kft (kg/km), supplied in a 656 ft coil.

## Applications

- Aerial distribution cable terminals to building entrance protectors or network interface units on subscriber premises

## Features

- Tightly controlled individual conductor dimensions
- Varied pair twist lays
- Polyvinyl chloride jacket

## Benefits

- Limits resistance unbalance of the twisted pairs
- Minimizes crosstalk and meets capacitance limits
- Provides a tough flexible protective covering that

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withstands exposure to sunlight, atmospheric temperatures and stresses encountered in standard installations

### *Technical Guideline*

*Technical Guideline TG049 "Integrated Messenger Wire (IM/F and IM/H) Sag and Tension Guide" provides sag and tension values for aerial installation. Click here for more information.*

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