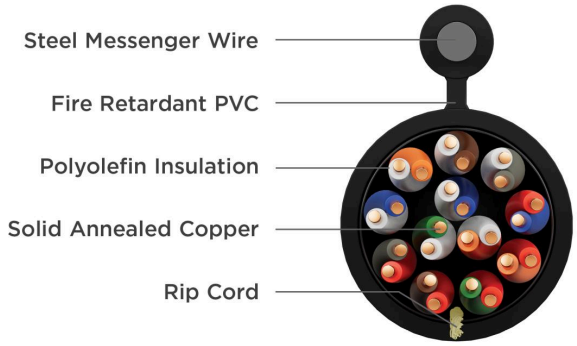
OSP Wire > 12 Pairs > 22 AWG

Integrated Messenger Wire / Aerial / 12 Pairs / 22 AWG / Black / 5K FT Reel

Part Number: 10-212-35
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 ANSI/ICEA S-89-648-2011 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	12
Conductor	Solid Annealed Copper

GENERAL SPECIFICATIONS

AWG (mm)	22 (0.64)
Insulation	Polyolefin

PHYSICAL CHARACTERISTICS

Nominal Dimensions Minor in (mm)	0.38 (7.6)
Nominal Dimensions Major in (mm)	0.66 (16.7)
Nominal Weight lbs/kft (kg/km)	130 (193)
Pallet Quantity (ft)	5,000
Package Length	5,000
Package Type	Reel
Standard Length ft (m)	5,000 (1,524)
Support Size	IM/H 0.109
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 10-212-35 is the black version: a 12-pair, 22 AWG aerial wire with solid annealed copper conductors, an integral steel support messenger (figure 8) and a PVC jacket; Canadian version. Approximate weight is 130 (193) lbs/kft (kg/km), supplied on a 5,000 ft reel.

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

*© 2025 Superior Essex Inc. All information, content, data, specifications, packaging and part numbers detailed herein are subject to change. Purchase of this product is subject exclusively to the then current **Superior Essex Inc. Terms and Conditions of Sale for Communications Cable, Wire and Connectivity Products.***

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.

© 2025 Superior Essex Inc. All information, content, data, specifications, packaging and part numbers detailed herein are subject to change. Purchase of this product is subject exclusively to the then current ***Superior Essex Inc. Terms and Conditions of Sale for Communications Cable, Wire and Connectivity Products.***