CU MEDIUM-HARD DRAWN OVERHEAD CATENARY SYSTEMS MESSENGER WIRE

Messenger Wire for Transit Systems



Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Stranded bare copper per ASTM B2 and B8

APPLICATIONS AND FEATURES:

For use in Trolley and High Speed Rail applications as supports for contact and dropper wires in overhead catenary systems. Southwire's messenger wire is designed for long service life with the ability to maintain rugged strength through sustained performance.

- Pure copper
- Flexible to Wind and Vibration
- Durable and reliable support
- Mechanically rugged
- High Tensile Strength and Breaking Load
- RoHS/Proposition 65 Compliant

SPECIFICATIONS:

- ASTM B2 Medium-Hard Drawn Copper Wire
- ASTM B8 Concentric-Lay-Stranded Copper Conductors

Table 1 – Physical and Electrical Data

Stock Number	Cond. Size	Strand Class	Strand Count	Cond. Cmil	Cond. Number	Approx. OD	Approx. Weight	DC Resistance @ 25°C	Rated Strength
	AWG/ kcmil		No. of Strands	cmil	No.	inch	lb/1000ft	Ω/1000ft	lb
144105	2/0	B	19	133100	1	0.418	411	0.082	4765

All dimensions are nominal and subject to normal manufacturing tolerances

◊ Cable marked with this symbol is a standard stock item

• TBA stock codes are estimations only and actual product may vary. Please wait until a stock code is assigned to purchase connectors and/or fittings.

Copyright © 2026 Southwire Company, LLC. All Rights Reserved

UPDATED: Aug. 26, 2026, 2:42 p.m.UTC REVISION: 1.000.005