

Type AC-90® Steel Armored Cable (480Y/277V) Cable Technical Specifications

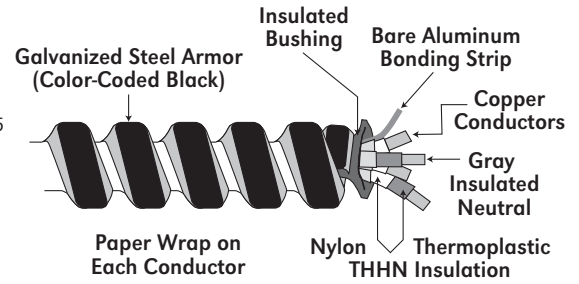


Specification Description

Specification	AC-90 ColorSpec ID System®
Armor	Galvanized Interlocking Steel Strip (black striped)
Conductors	Solid Copper
Conductor Insulation	THHN
Conductor Insulation Covering	Paper Wrap
Maximum Temperature Rating	90°C (dry)
Grounding	16AWG integral Bond Wire/Armor combination
Neutral Conductor	Gray
Maximum Voltage Rating	600V

References & Ratings

- U.L. 4, 83, 1479, 1581, File Reference E7330
- NEC 250.118, 300.22(C), 392, 320, 645
- Federal Specification A-A-59544 (formerly J-C-30B)
- Meets all applicable OSHA and HUD Requirements
- Cable Tray installations per NEC
- U.L. Classified 1, 2 and 3-hour Through-Penetration Fire Wall File R-14929
- Environmental Air-Handling Space installation



AFC's ColorSpec ID System®



Additional brown stripe denotes 2 conductor cable (brown conductor)



Additional orange stripe denotes 2 conductor cable (orange conductor)



Additional yellow stripe denotes 2 conductor cable (yellow conductor)



Additional brown and orange stripes denote 3 conductor cable



Additional orange and yellow stripes denote 3 conductor cable



Additional brown and yellow stripes denote 3 conductor cable



Additional brown, orange and yellow stripes denote 4 conductor cable

Product Codes, Trade Sizes, Conductors, Packaging & Weights

Product Code		Trade Size	Length (feet)		Approx. Weight/1000 Feet (lbs.)	Armor Minimum O.D. (inches)
Coil	Reel		Coil	Reel		
1404N42-01	1404N60-01	12-2 Solid (brown)	250'	1000'	210	0.467
1404N42-02	1404N60-02	12-2 Solid (orange)	250'	1000'	210	0.467
1404N42-03	1404N60-03	12-2 Solid (yellow)	250'	1000'	210	0.467
1405N42-01	1405N60-01	12-3 Solid (brown, orange)	250'	1000'	245	0.489
1405N42-02	1405N60-02	12-3 Solid (orange, yellow)	250'	1000'	245	0.489
1405N42-03	1405N60-03	12-3 Solid (brown, yellow)	250'	1000'	245	0.489
1406N42-01	1406N60-01	12-4 Solid (brown, orange, yellow)	250'	1000'	290	0.520
1407N32-01	1407N60-01	10-2 Solid (brown)	250'	1000'	250	0.476
1408N32-01	1408N60-01	10-3 Solid (brown, orange)	250'	1000'	295	0.500
1409N32-01	1409N60-01	10-4 Solid (brown, orange, yellow)	250'	1000'	380	0.541

NOTE: All dimensions and weights are subject to normal manufacturing tolerances. Other conductor colors available by special order.

WARNING: DO NOT RE-IDENTIFY CONDUCTOR COLORS.

See page 38 for bond wire termination details.