

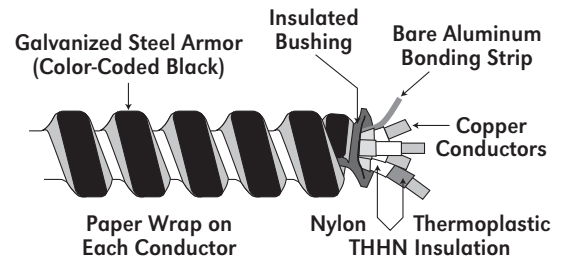
AC-90[®] Steel Armored Cable – Type AC

(120/208V & 480Y/277V) Technical Specifications



Specification Description

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



References & Ratings

- UL 4, 83, 1479, 1581, 2556, File Reference E7330
- NEC[®] 250.118(8), 300.22(C), 392, 320, 645
- Federal Specification A-A-59544 (formerly J-C-30B)
- Meets all applicable OSHA and HUD Requirements
- Cable Tray Rated, install per NEC[®]
- UL Classified 1, 2, and 3 hour through (Fire) penetration product, R-14141
- Environmental Air-Handling Space Installation per NEC[®] 300.22(C)
- Made in USA of US and/or imported materials



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		
120/208V						
1401N42-00	1401N60-00	14-2 Solid (black, white)	250'	1000'	180	0.433
1402N42-00	1402N60-00	14-3 Solid (black, red, white)	250'	1000'	200	0.453
1403N42-00	1403N60-00	14-4 Solid (black, red, blue, white)	250'	1000'	250	0.486
1404N42-00	1404N60-00	12-2 Solid (black, white)	250'	1000'	210	0.467
1405N42-00	1405N60-00	12-3 Solid (black, red, white)	250'	1000'	245	0.489
1406N42-00	1406N60-00	12-4 Solid (black, red, blue, white)	250'	1000'	290	0.520
1407N32-00	1407N60-00	10-2 Solid (black, white)	125'	1000'	250	0.476
1407N42-00	—	10-2 Solid (black, white)	250'	—	250	0.476
1408N32-00	1408N60-00	10-3 Solid (black, red, white)	125'	1000'	295	0.500
1408N42-00	—	10-3 Solid (black, red, white)	250'	—	250	0.476
1409N32-00	1409N60-00	10-4 Solid (black, red, blue, white)	125'	1000'	380	0.541
1409N42-00	—	10-4 Solid (black, red, blue, white)	250'	—	250	0.476
1415-40-00	1415-45-00	8-2 Stranded (black, white)	200'	500'	345	0.604
1416-40-00	1416-45-00	8-3 Stranded (black, red, white)	200'	500'	420	0.637
1417-32-00	1417-45-00	8-4 Stranded (black, red, blue, white)	125'	500'	515	0.695
1419-32-00	1419-45-00	6-2 Stranded (black, white)	125'	500'	445	0.700
1420-32-00	1420-45-00	6-3 Stranded (black, red, white)	125'	500'	560	0.739
1421-30-00	1421-45-00	6-4 Stranded (black, red, blue, white)	100'	500'	685	0.807
1424-30-00	1424-45-00	4-3 Stranded (black, red, white)	100'	500'	800	0.885
1425-30-00	1425-45-00	4-4 Stranded (black, red, blue, white)	100'	500'	995	0.971
1428-30-00	1428-45-00	3-3 Stranded (black, red, white)	100'	500'	940	0.990
1429-30-00	1429-45-00	3-4 Stranded (black, red, blue, white)	100'	500'	1180	1.085
1426-30-00	1426-45-00	2-3 Stranded (black, red, white)	100'	500'	1095	1.014
1427-30-00	1427-45-00	2-4 Stranded (black, red, blue, white)	100'	500'	1380	1.115
480Y/277V						
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
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
1406N42-01*	1406N60-01*	12-4 Solid (brown, orange, yellow)	250'	1000'	290	0.520

NOTE: All dimensions and weights are subject to normal manufacturing tolerances.

* Made to order only

AFC Cable System's ColorSpec[®] ID System is available on 14-2 through 10-4

See page 45 for bond wire termination details.