

# Type AC-90® Steel Armored Cable (120/208V Colors & 277/480V Colors) Technical Specifications

**Armor**

Interlocked Galvanized Steel Strip (Black Striped) with ColorSpec® ID

**Conductors**

Solid or Stranded Copper

**Conductor Insulation**

THHN

**Conductor Insulation Covering**

Moisture Resistant Fire Retardant Paper Wrap

**Maximum Temperature Rating**

90°C (Dry) Type ACTHH

**Grounding**

16AWG Integral Bond Wire/Armor Combination

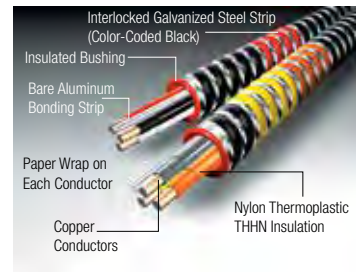
**Neutral Conductor**

White 120/208V

Gray 277/480V

**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, R14141
- Environmental Air-Handling Space Installation per NEC® 300.22(C)
- U.S. Patent No. 8,278,554 B2
- Made in USA of US and/or imported materials

Product Code No.		Trade Size	Length (ft)		Approx. Weight/ 1,000ft (lbs)	Approx. Armor O.D. (in)
Coil	Reel		Coil	Reel		
<b>120/208V Solid</b>						
1401N42-00	1401N60-00	14-2 Solid (Black, White)	250	1000	173	0.485
1402N42-00	1402N60-00	14-3 Solid (Black, Red, White)	250	1000	197	0.502
1403N42-00	1403N60-00	14-4 Solid (Black, Red, Blue, White)	250	1000	226	0.533
1404N42-00	1404N60-00	12-2 Solid (Black, White)	250	1000	201	0.514
1405N42-00	1405N60-00	12-3 Solid (Black, Red, White)	250	1000	235	0.535
1406N42-00	1406N60-00	12-4 Solid (Black, Red, Blue, White)	250	1000	279	0.581
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	306	0.600
1408N42-00	—	10-3 Solid (Black, Red, White)	250	—	306	0.600
1409N32-00	1409N60-00	10-4 Solid (Black, Red, Blue, White)	125	1000	367	0.654
1409N42-00	—	10-4 Solid (Black, Red, Blue, White)	250	—	367	0.654
<b>120/208V Stranded</b>						
1415-40-00	1415-45-00	8-2 Stranded (Black, White)	200	500	362	0.755
1416-40-00	1416-45-00	8-3 Stranded (Black, Red, White)	200	500	398	0.871
1417-32-00	1417-45-00	8-4 Stranded (Black, Red, Blue, White)	125	500	638	0.848
1419-32-00	1419-45-00	6-2 Stranded (Black, White)	125	500	565	0.835
1420-32-00	1420-45-00	6-3 Stranded (Black, Red, White)	125	500	688	0.875
1421-30-00	1421-45-00	6-4 Stranded (Black, Red, Blue, White)	100	500	827	0.944
1424-30-00	1424-45-00	4-3 Stranded (Black, Red, White)	100	500	922	0.975
1425-30-00	1425-45-00	4-4 Stranded (Black, Red, Blue, White)	100	500	750	0.985
1428-30-00	1428-45-00	3-3 Stranded (Black, Red, White)	100	500	1071	1.028
1429-30-00	1429-45-00	3-4 Stranded (Black, Red, Blue, White)	100	500	1323	1.122
1426-30-00	1426-45-00	2-3 Stranded (Black, Red, White)	100	500	1239	1.093
1427-30-00	1427-45-00	2-4 Stranded (Black, Red, Blue, White)	100	500	1540	1.195
<b>480Y/277V Solid</b>						
1404N42-01	1404N60-01	12-2 Solid (Brown, Gray)	250	1000	201	0.514
1404N42-02*	1404N60-02*	12-2 Solid (Orange, Gray)	250	1000	201	0.514
1405N42-01	1405N60-01	12-3 Solid (Brown, Orange, Gray)	250	1000	235	0.535
1405N42-02*	1405N60-02*	12-3 Solid (Orange, Yellow, Gray)	250	1000	235	0.535
1406N42-01*	1406N60-01*	12-4 Solid (Brown, Orange, Yellow, Gray)	250	1000	279	0.581

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

\* Subject to minimum orders and lead times

Available in Barrels by special order

See page 61 for bond wire termination details.