

### Armor

- Interlocked Aluminum Strip

### Conductors

- Solid or Stranded Copper

### Conductors Insulation

- THHN/THWN w/ Protective Polypropylene Covering

### Assembly Covering

- Wrap-Free Design

### Neutral Conductor

- White 120/208V
- Gray 277/480V

### Grounding

- Combined Armor and Full-Sized Aluminum Ground/Bond Wire

### Maximum Voltage Rating

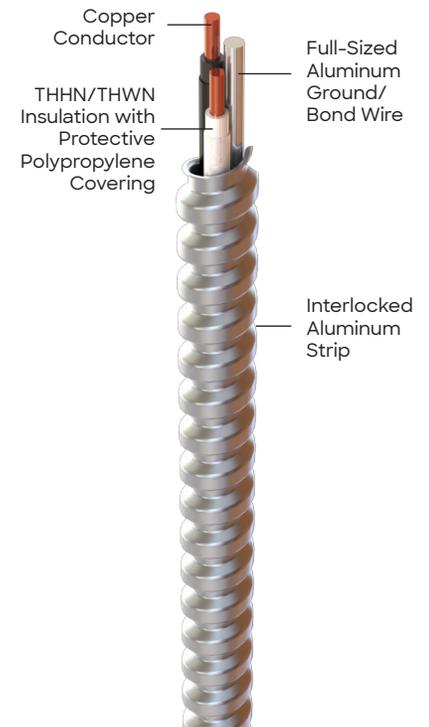
- 600V

### Maximum Temperature Rating

- 90°C (Dry)

### References & Ratings

- UL 83,1479,1569,1581, 2556, File Reference E80042
- NEC® 230, 250, 300, 330, 392, 396, 501, 502, 503, 505, 518, 520, 530, 645
- NEC® 300.22 (C) Other Spaces Used For Environmental Air (Plenums)
- UL classified 1, 2, and 3, hour through (Fire) penetration product R14141
- Cable tray rated, install per NEC®
- Federal Specification A-A-59544 (formerly J-C-30B)
- Meets all applicable OSHA and HUD requirements
- May be surface mounted, fished and/or embedded in plaster
- Made in USA of US and/or imported materials
- U.S. Patent 8,088,977



Conductor				Product Code		Approx. Weight	Approx. Armor O.D.
Trade Size	Phase Conductor AWG (Color)	Neutral Conductor AWG (Color)	Bare Alum. Ground / Bond Wire AWG	250' Coil	1000' Reel	(lb/1000ft)	(in)
Solid							
14-2	14-1 Solid (Black)	14-1 Solid (White)	12-1 Solid	3101Z42-00	3101Z60-00	66	0.422
14-3	14-2 Solid (Black, Red)	14-1 Solid (White)	12-1 Solid	3102Z42-00	3102Z60-00	88	0.467
12-2	12-1 Solid (Black)	12-1 Solid (White)	10-1 Solid	3104Z42-00	3104Z60-00	90	0.463
12-2	12-1 Solid (Brown)	12-1 Solid (Gray)	10-1 Solid	3104Z42-01	3104Z60-01	90	0.463
12-2	12-1 Solid (Orange)	12-1 Solid (Gray)	10-1 Solid	3104Z42-02	3104Z60-02	90	0.463
12-2	12-1 Solid (Yellow)	12-1 Solid (Gray)	10-1 Solid	3104Z42-03	3104Z60-03	90	0.463
12-2	12-1 Solid (Red)	12-1 Solid (White)	10-1 Solid	3104Z42-04	3104Z60-04	90	0.463
12-2	12-1 Solid (Blue)	12-1 Solid (White)	10-1 Solid	3104Z42-05	3104Z60-05	90	0.463
12-3	12-2 Solid (Black, Red)	12-1 Solid (White)	10-1 Solid	3105Z42-00	3105Z60-00	122	0.523
12-3	12-2 Solid (Brown, Orange)	12-1 Solid (Gray)	10-1 Solid	3105Z42-01	3105Z60-01	122	0.523
12-3	12-2 Solid (Orange, Yellow)	12-1 Solid (Gray)	10-1 Solid	3105Z42-02	3105Z60-02	122	0.523
12-3	12-2 Solid (Brown, Yellow)	12-1 Solid (Gray)	10-1 Solid	3105Z42-03	—	122	0.523
12-3	12-2 Solid (Red, Blue)	12-1 Solid (White)	10-1 Solid	3105Z42-04	3105Z60-04	122	0.523
12-3	12-2 Solid (Black, Blue)	12-1 Solid (White)	10-1 Solid	3105Z42-05	3105Z60-05	122	0.523
12-4	12-3 Solid (Black, Red, Blue)	12-1 Solid (White)	10-1 Solid	3106Z42-00	3106Z60-00	167	0.565
12-4	12-3 Solid (Brown, Orange, Yellow)	12-1 Solid (Gray)	10-1 Solid	3106Z42-01	3106Z60-01	167	0.565
10-2	10-1 Solid (Black)	10-1 Solid (White)	8-1 Solid	3107Z42-00	3107Z60-00	131	0.525
10-2	10-1 Solid (Brown)	10-1 Solid (Gray)	8-1 Solid	3107Z42-01	3107Z60-01	131	0.525
10-3	10-2 Solid (Black, Red)	10-1 Solid (White)	8-1 Solid	3108Z42-00	3108Z60-00	178	0.601
10-3	10-2 Solid (Brown, Orange)	10-1 Solid (Gray)	8-1 Solid	—	3108Z60-01	178	0.601
10-4	10-3 Solid (Black, Red, Blue)	10-1 Solid (White)	8-1 Solid	—	3109Z60-00	224	0.651

Continues on next page

Conductor				Product Code		Approx. Weight	Approx. Armor O.D.
Trade Size	Phase Conductor AWG (Color)	Neutral Conductor AWG (Color)	Bare Alum. Ground / Bond Wire AWG	250' Coil	1000' Reel	(lb/1000ft)	(in)
<b>Stranded</b>							
12-2	12-1 Stranded (Black)	12-1 Stranded (White)	10-1 Solid	3158Z42-00	3158Z60-00	94	0.482
12-2	12-1 Stranded (Brown)	12-1 Stranded (Gray)	10-1 Solid	3158Z42-01	3158Z60-01	94	0.482
12-2	12-1 Stranded (Orange)	12-1 Stranded (Gray)	10-1 Solid	3158Z42-02	3158Z60-02	94	0.482
12-2	12-1 Stranded (Yellow)	12-1 Stranded (Gray)	10-1 Solid	3158Z42-03	3158Z60-03	94	0.482
12-2	12-1 Stranded (Red)	12-1 Stranded (White)	10-1 Solid	3158Z42-04	3158Z60-04	94	0.482
12-2	12-1 Stranded (Blue)	12-1 Stranded (White)	10-1 Solid	3158Z42-05	3158Z60-05	94	0.482
12-3	12-2 Stranded (Black, Red)	12-1 Stranded (White)	10-1 Solid	3159Z42-00	3159Z60-00	127	0.539
12-3	12-2 Stranded (Brown, Orange)	12-1 Stranded (Gray)	10-1 Solid	3159Z42-01	3159Z60-01	127	0.539
12-4	12-3 Stranded (Black, Red, Blue)	12-1 Stranded (White)	10-1 Solid	3160Z42-00	—	158	0.585
12-4	12-3 Stranded (Brown, Orange, Yellow)	12-1 Stranded (Gray)	10-1 Solid	3160Z42-01	—	158	0.585
10-2	10-1 Stranded (Black)	10-1 Stranded (White)	8-1 Solid	3161Z42-00	—	151	0.552
10-2	10-1 Stranded (Brown)	10-1 Stranded (Gray)	8-1 Solid	3161Z42-01	—	151	0.552
10-3	10-2 Stranded (Black, Red)	10-1 Stranded (White)	8-1 Solid	3162Z42-00	—	202	0.625
10-3	10-2 Stranded (Brown, Orange)	10-1 Stranded (Gray)	8-1 Solid	3162Z42-01	—	202	0.625
10-4	10-3 Stranded (Black, Red, Blue)	10-1 Stranded (White)	8-1 Solid	3163Z42-00	—	261	0.680
10-4	10-3 Stranded (Brown, Orange, Yellow)	10-1 Stranded (Gray)	8-1 Solid	3163Z42-01	—	261	0.680

Note: All dimensions and weights are subject to normal manufacturing tolerances. Other conductor colors available by special order. Special orders are subject to lead times and minimum order quantities. Use with an MCI-A listed connectors.

## Gaylord Packaging Solution

Conductor				Product Code	Length	Approx. Weight	Approx. Armor O.D.
Trade Size	Phase Conductor AWG (Color)	Neutral Conductor AWG (Color)	Bare Alum. Ground / Bond Wire AWG		(ft)	(lb/1000ft)	(in)
14-2	14-1 Solid (Black)	14-1 Solid (White)	12-1 Solid	3101Z76-00	6000	66	0.422
14-3	14-2 Solid (Black, Red)	14-1 Solid (White)	12-1 Solid	3102Z76-00	6000	88	0.467
12-2	12-1 Solid (Black)	12-1 Solid (White)	10-1 Solid	3104Z76-00	6000	90	0.463
12-3	12-2 Solid (Black, Red)	12-1 Solid (White)	10-1 Solid	3105Z76-00	6000	122	0.523
12-4	12-3 Solid (Black, Red, Blue)	12-1 Solid (White)	10-1 Solid	3106Z76-00	6000	167	0.565
10-3	10-2 Solid (Black, Red)	10-1 Solid (White)	8-1 Solid	3108Z76-00	6000	178	0.601

Note: All dimensions and weights are subject to normal manufacturing tolerances. Other conductor colors available by special order. Special orders are subject to lead times and minimum order quantities. Use with an MCI-A listed connectors.

## Barrel Packaging Solution

Conductor				Product Code	Length	Approx. Weight	Approx. Armor O.D.
Trade Size	Phase Conductor AWG (Color)	Neutral Conductor AWG (Color)	Bare Alum. Ground/ Bond Wire AWG		(ft)	(lb/Barrel length)	(in)
<b>Solid</b>							
14-2	14-1 Solid (Black)	14-1 Solid (White)	12-1 Solid	3101Z93-00	2500	185	0.422
14-3	14-2 Solid (Black, Red)	14-1 Solid (White)	12-1 Solid	3102Z92-00	2000	196	0.467
12-2	12-1 Solid (Black)	12-1 Solid (White)	10-1 Solid	3104Z93-00	2500	245	0.463
12-2	12-1 Solid (Brown)	12-1 Solid (Gray)	10-1 Solid	3104Z93-01	2500	245	0.463
12-3	12-2 Solid (Black, Red)	12-1 Solid (White)	10-1 Solid	3105Z92-00	2000	264	0.523
12-3	12-2 Solid (Brown, Orange)	12-1 Solid (Gray)	10-1 Solid	3105Z92-01	2000	264	0.523
10-2	10-1 Solid (Black)	10-1 Solid (White)	8-1 Solid	3107Z91-00	1500	217	0.525
<b>Stranded</b>							
12-2	12-1 Stranded (Black)	12-1 Stranded (White)	10-1 Solid	3158Z92-00	2000	208	0.482
12-2	12-1 Stranded (Brown)	12-1 Stranded (Gray)	10-1 Solid	3158Z92-01	2000	208	0.482

Special orders are subject to lead times and minimum order quantities.

Use with an MCI-A listed connectors.

Approx. Weight = Weight of barrel + total product length weight.