

# Dearborn™ Marine



# Dearborn™ Marine

## The Premier Choice for Marine Applications



**F**or tough, seaworthy wire and cable, Alpha Wire's Dearborn brand of products delivers performance in the most challenging environments for electrical components and electronic systems, with the ever-present potential for corrosion and other harmful effects from moisture, salt, oil, and gases.

Whether you are building new pleasure or commercial watercraft or maintaining existing boats, our marine products will satisfy your most stringent requirements.

### Complete line for every marine application

From wiring of engines, batteries, and bilge pumps to cables for communications, instrumentation, and electronics, you will find the exact wire or cable you need. Cables are color-coded to meet boating industry standards.

### Marine wire

High-grade marine wire for the full spectrum of marine applications, including wiring of engines, batteries, and bilge pumps.

### Marine cable

A complete line of multi-conductor cables, designed specifically for marine environments. Ideally suited for multiple applications, including communications, instrumentation, and electronics.

### Marine heat-shrink tubing

To protect cable terminations and provide a watertight connection, we offer marine grade heat-shrink tubing with an operating temperature range of -55°C to +130°C for protecting electrical connections, and spiral wrap and split ducts for managing and organizing wires and cables.

### Marine ready

Our cables meet various specifications to ensure regulatory compliance and seaworthiness:

- **UL Standard 1426: Electrical Cable for Boats**
- **SAE J378: Marine Propulsion Systems Wiring**
- **SAE J1127: Low-Voltage Battery Cables**
- **SAE J1128: Low-Voltage Primary Cables**
- **ABYC E-11-2008: Standard for AC and DC Electrical Systems on Boats**
- **ABYC E-10-2006: Storage Batteries**
- **USCG: Title 33, CFR 183 Subpart I, Section 183**

### Designed to perform

Dearborn marine wire and cable use corrosion-resistant annealed tinned copper conductors with Type 3 marine stranding for extra flexibility and service life. A choice of round or flat multiconductor cables means easier handling and routing.

- **Rugged PVC insulation and jackets, rated to 105°C**
- **Easy circuit identification with color-coded conductors**
- **Shielded cable available for EMI protection**
- **UL VW-1 flame retardant**
- **Convenient, easy to use packaging in lengths as low as 50 feet**
- **Resistant to oil, chemicals, solvents, and sea water**
- **Premium high-performance with tinned conductors**

| The Premier Choice for Marine Applications |                          |                   |                  |                                                                                       |
|--------------------------------------------|--------------------------|-------------------|------------------|---------------------------------------------------------------------------------------|
| Application                                | Configuration            | No. of Conductors | Wire Gauge Range | Features                                                                              |
| Engine wiring                              | Flat (parallel) or round | 1 - 3             | 18 - 6           | Color-coded with white jackets                                                        |
| Battery                                    | Round                    | 1                 | 8 - 4/0          | Extra flexible stranding                                                              |
| Speaker cable                              | Round                    | 1                 | 22 - 14          | Ripcord construction                                                                  |
| Bonding cable                              | Round                    | 1                 | 6 - 4            | Resists oil, fungus, chemicals, and heat<br>Retards electrolytic corrosion            |
| Telephone cable                            | Round                    | 2 - 3             | 22               | High-density polyethylene insulation                                                  |
| Communications and control                 | Round                    | 2 - 7             | 18 - 16          | Shielded and unshielded                                                               |
| RFI shielded cable                         | Round                    | 2 - 3             | 18 - 14          | Foil shield, 100% coverage                                                            |
| Duplex shielded cable                      | Round                    | 2                 | 16 - 10          | Foil + braid for maximum shielding                                                    |
| Bilge pump                                 | Round                    | 3                 | 18 - 14          | Water-resistant construction<br>Resistant to gasoline, oils, solvents, and salt water |
| Trailer cable                              | Flat (parallel) or round | 3 - 4             | 16 - 12          | See-through insulation for easier installation                                        |

#### Required Marine Wiring Color Codes

| Direct Current Systems, Under 50 Volts |                                      |
|----------------------------------------|--------------------------------------|
| Color                                  | Use                                  |
| Green                                  | Bonding                              |
| White or Black                         | Return, negative main                |
| Red                                    | Positive mains, particularly unfused |

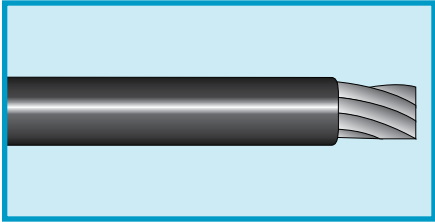
Notes: (1) The colors shall be reserved for the uses as indicated, only.  
(2) When the color (White or Black) is selected for the negative side of the system, it shall be used throughout the system to the exclusion of the other color.

#### Recommended Marine Wiring Color Codes

| Direct Current Systems, Under 50 Volts |                               |                                                                           |
|----------------------------------------|-------------------------------|---------------------------------------------------------------------------|
| Color                                  | Item                          | Use                                                                       |
| Yellow w/Red Stripe                    | Starting circuit              | Starting switch to solenoid                                               |
| Yellow                                 | Generator or alternator field | Generator or alternator field to regulator field                          |
|                                        | Bilge blowers                 | Terminal fuse or switch to blowers                                        |
| Dark Gray                              | Navigation lights             | Fuse or switch to lights                                                  |
|                                        | Tachometer                    | Tachometer sender to gauge                                                |
| Brown                                  | Generator armature            | Generator armature to regulator                                           |
|                                        | Alternator charge light       | Generator terminal or alternator auxiliary terminal to light to regulator |
|                                        | Pumps                         | Fuse or switch to pumps                                                   |
| Orange                                 | Accessory feed                | Ammeter to alternator or generator output and accessory fuses or switches |
|                                        | Accessory common feed         | Distribution panel to accessory switch                                    |
| Purple                                 | Ignition                      | Ignition switch to coil and electrical instruments                        |
|                                        | Instrument feed               | Distribution panel to electric instruments                                |
| Dark Blue                              | Cabin and instrument lights   | Fuse or switch to lights                                                  |
| Light Blue                             | Oil pressure                  | Sender to gauge                                                           |
| Tan                                    | Water temperature             | Water temperature sender to gauge                                         |
| Pink                                   | Fuel gauge                    | Fuel gauge sender to gauge                                                |

# Dearborn™ Marine Wire

## 50 V Standard-Grade Primary Wire



**SAE J1128 Type GPT**  
**SAE J378B**

### Operating Temperature

- -40°C to +105°C

### Insulation Color Coding

- Black, red, orange, yellow, green, blue, violet, white, brown, slate

### Materials

- Stranded bare copper conductors
- PVC insulation

### Availability

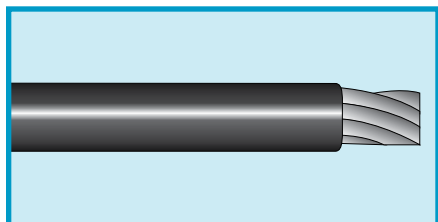
100 ft (30.5 m)  
500 ft (152 m)  
1000 ft (305 m)  
Bulk, cut to length  
(Minimums may apply)

| Part No. | Wire Size |                 | Stranding |           | Insulation Thickness |      | Nominal Diameter |      |
|----------|-----------|-----------------|-----------|-----------|----------------------|------|------------------|------|
|          | AWG       | mm <sup>2</sup> | AWG       | mm        | Inch                 | mm   | Inch             | mm   |
| PWM1816  | 18        | 0.81            | 16/30     | 16 x 0.25 | 0.023                | 0.58 | 0.093            | 2.36 |
| PWM1619  | 16        | 1.23            | 19/29     | 19 x 0.29 | 0.023                | 0.58 | 0.103            | 2.62 |
| PWM1419  | 14        | 1.94            | 19/27     | 19 x 0.36 | 0.023                | 0.58 | 0.117            | 2.97 |
| PWM1219  | 12        | 3.08            | 19/25     | 19 x 0.46 | 0.026                | 0.66 | 0.142            | 3.61 |
| PWM1019  | 10        | 4.92            | 19/23     | 19 x 0.57 | 0.034                | 0.86 | 0.176            | 4.47 |
| PWM0819  | 8         | 7.82            | 19/21     | 19 x 0.72 | 0.037                | 0.94 | 0.216            | 5.49 |
| PWM0619  | 6         | 12.4            | 19/19     | 19 x 0.91 | 0.043                | 1.09 | 0.337            | 8.56 |



# Dearborn™ Marine Wire

## 600 V Premier Battery Wire

**UL AWM 1283 VW-1****UL BC-5W2****UL Oil Res 1****CSA AWM I A/B FT1****CSA TEW-105****ABYC****Coast Guard****SAE J378B, J1127 Type SGT  
(50 V)**

| Part No.       | Wire Size |                 | Stranding            |             | Insulation Thickness |      | Nominal Diameter |       |
|----------------|-----------|-----------------|----------------------|-------------|----------------------|------|------------------|-------|
|                | AWG       | mm <sup>2</sup> | AWG                  | mm          | Inch                 | mm   | Inch             | mm    |
| <b>PBM0830</b> | 8         | 8.51            | 168/30 (7 x 24)      | 168 x 0.25  | 0.060                | 1.52 | 0.294            | 7.47  |
| <b>PBM0630</b> | 6         | 13.5            | 266/30 (7 x 38)      | 266 x 0.25  | 0.060                | 1.52 | 0.339            | 8.61  |
| <b>PBM0430</b> | 4         | 21.3            | 420/30 (7 x 60)      | 420 x 0.25  | 0.065                | 1.65 | 0.404            | 10.26 |
| <b>PBM0230</b> | 2         | 33.7            | 665/30 (7 x 95)      | 665 x 0.25  | 0.065                | 1.65 | 0.471            | 11.96 |
| <b>PBM0130</b> | 1         | 42.4            | 836/30 (19 x 44)     | 836 x 0.25  | 0.082                | 2.08 | 0.529            | 13.44 |
| <b>PBM0001</b> | 1/0       | 53.9            | 1064/30 (19 x 56)    | 1064 x 0.25 | 0.082                | 2.08 | 0.570            | 14.48 |
| <b>PBM0002</b> | 2/0       | 67.0            | 1323/30 (7 x 7 x 27) | 1323 x 0.25 | 0.082                | 2.08 | 0.648            | 16.46 |
| <b>PBM0003</b> | 3/0       | 84.4            | 1666/30 (7 x 7 x 34) | 1666 x 0.25 | 0.082                | 2.08 | 0.659            | 16.74 |
| <b>PBM0004</b> | 4/0       | 107             | 2109/30 (37 x 57)    | 2109 x 0.25 | 0.082                | 2.08 | 0.760            | 19.30 |

### Operating Temperature

- -20°C to +105°C

### Insulation Color Coding

- White, black, red, green, yellow, blue, brown, orange, slate, violet

### Materials

- Corrosion-resistant stranded tinned copper conductors
- PVC insulation

### Availability

100 ft (30.5 m)

500 ft (152 m)

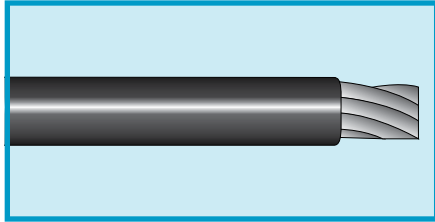
1000 ft (305 m)

(Minimums may apply)



# Dearborn™ Marine Wire

## 600 V Premier Primary Wire



**UL AWM 1015 VW-1**  
**UL AWM 1230**  
**UL Oil Res. 1**  
**UL BC-5W2**  
**CSA AWM I A/B FT1**  
**CSA TEW-105**  
**SAE J1128 Type GPT**  
**SAE J378B**  
**ABYC**  
**Coast Guard**

### Operating Temperature

- -20°C to +105°C

### Insulation Color Coding

- White, black, red, green, yellow, blue, brown, orange, slate, violet

### Materials

- Corrosion-resistant stranded tinned copper conductors
- PVC insulation

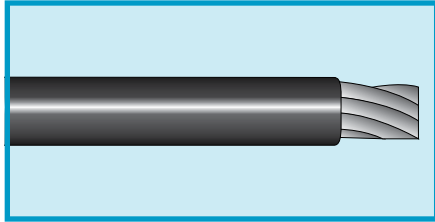
### Availability

100 ft (30.5 m)  
 500 ft (152 m)  
 1000 ft (305 m)  
 (Minimums may apply)

| Part No.       | Wire Size |                 | Stranding       |            | Insulation Thickness |      | Nominal Diameter |      |
|----------------|-----------|-----------------|-----------------|------------|----------------------|------|------------------|------|
|                | AWG       | mm <sup>2</sup> | AWG             | mm         | Inch                 | mm   | Inch             | mm   |
| <b>PPM1830</b> | 18        | 0.81            | 16/30           | 16 x 0.25  | 0.031                | 0.79 | 0.109            | 2.77 |
| <b>PPM1630</b> | 16        | 1.32            | 26/30           | 26 x 0.25  | 0.031                | 0.79 | 0.122            | 3.10 |
| <b>PPM1430</b> | 14        | 2.08            | 41/30           | 41 x 0.25  | 0.031                | 0.79 | 0.136            | 3.45 |
| <b>PPM1230</b> | 12        | 3.29            | 65/30           | 65 x 0.25  | 0.032                | 0.81 | 0.152            | 3.86 |
| <b>PPM1030</b> | 10        | 5.32            | 105/30          | 105 x 0.25 | 0.032                | 0.81 | 0.185            | 4.67 |
| <b>PPM0830</b> | 8         | 8.51            | 168/30 (7 x 24) | 168 x 0.25 | 0.032                | 0.81 | 0.232            | 5.89 |

# Dearborn™ Marine Wire

## 600 V Bonding Marine Wire



| Part No.       | Wire Size |                 | Stranding         |           | Insulation Thickness |      | Nominal Diameter |      |
|----------------|-----------|-----------------|-------------------|-----------|----------------------|------|------------------|------|
|                | AWG       | mm <sup>2</sup> | AWG               | mm        | Inch                 | mm   | Inch             | mm   |
| <b>PGM0849</b> | 8         | 8.42            | 49/0.0184 (7 x 7) | 49 x 0.47 | 0.060                | 1.52 | 0.286            | 7.26 |
| <b>PGM0649</b> | 6         | 13.3            | 49/0.0231 (7 x 7) | 49 x 0.59 | 0.060                | 1.52 | 0.328            | 8.33 |
| <b>PGM0449</b> | 4         | 21.2            | 49/0.0292 (7 x 7) | 49 x 0.74 | 0.065                | 1.65 | 0.393            | 9.98 |

**UL AWM 1028**

**UL BC-5W2**

**UL VW-1**

**UL Oil Res I**

**CSA AWM I A/B FT1**

**CSA TEW-105**

**SAE J1128**

### Operating Temperature

- -20C to +105°C (dry)
- -20C to +60°C (wet or oil)

### Insulation Color Coding

- Green

### Materials

- Corrosion-resistant stranded tinned copper conductors
- PVC insulation

### Availability

100 ft (30.5 m)

500 ft (152 m)

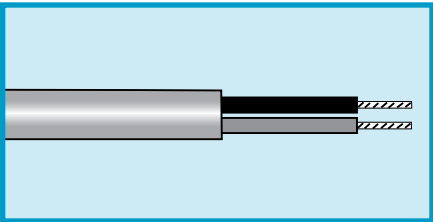
1000 ft (305 m)

**Bulk, cut to length**

(Minimums may apply)

# Dearborn™ Marine Cable

600 V Unshielded, Multiconductor, Premier Duplex Cable



UL BC 5W2  
UL Oil Res. I  
UL VW-1

Operating Temperature

- 20°C to +105°C (dry)
- 20°C to +75°C (wet)

Conductor Color Coding

- 1 Black, 2 Red

Materials

- Corrosion-resistant stranded tinned copper conductors
- White PVC insulation

Availability

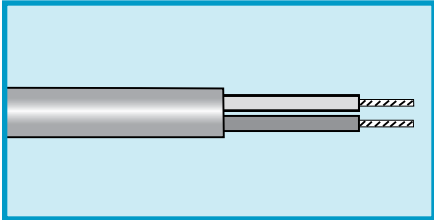
100 ft (30.5 m)  
500 ft (152 m)  
1000 ft (305 m)  
(Minimums may apply)

Two-Conductor Cable

| Part No. | Wire Size |                 | Stranding |            | Insulation Thickness |      | Jacket Thickness |      | Cable Dimension |               |
|----------|-----------|-----------------|-----------|------------|----------------------|------|------------------|------|-----------------|---------------|
|          | AWG       | mm <sup>2</sup> | AWG       | mm         | Inch                 | mm   | Inch             | mm   | Inch            | mm            |
| PDM2002  | 20        | 0.50            | 10/30     | 10 x 0.25  | 0.032                | 0.81 | 0.035            | 0.89 | 0.161 x 0.260   | 4.09 x 6.60   |
| PDM1802  | 18        | 0.81            | 16/30     | 16 x 0.25  | 0.032                | 0.81 | 0.035            | 0.89 | 0.181 x 0.292   | 4.60 x 7.42   |
| PDM1602  | 16        | 1.32            | 26/30     | 26 x 0.25  | 0.032                | 0.81 | 0.035            | 0.89 | 0.194 x 0.318   | 4.93 x 8.33   |
| PDM1402  | 14        | 2.08            | 41/30     | 41 x 0.25  | 0.032                | 0.81 | 0.035            | 0.89 | 0.208 x 0.346   | 5.28 x 8.79   |
| PDM1202  | 12        | 3.29            | 65/30     | 65 x 0.25  | 0.032                | 0.81 | 0.035            | 0.89 | 0.227 x 0.384   | 5.77 x 9.75   |
| PDM1002  | 10        | 5.32            | 105/30    | 105 x 0.25 | 0.032                | 0.81 | 0.035            | 0.89 | 0.252 x 0.434   | 6.40 x 11.02  |
| PDM0802  | 8         | 8.51            | 168/30    | 168 x 0.25 | 0.048                | 1.22 | 0.035            | 0.89 | 0.334 x 0.598   | 8.48 x 15.19  |
| PDM0602  | 6         | 13.5            | 266/30    | 266 x 0.25 | 0.060                | 1.52 | 0.035            | 0.89 | 0.403 x 0.736   | 10.24 x 18.69 |

# Dearborn™ Marine Cable

600 V Unshielded, Multiconductor, Premier Duplex Safety Cable



UL BC 5W2  
UL Oil Res. I  
UL VW-1

Operating Temperature

- -20°C to +105°C (dry)
- -20°C to +75°C (wet)

Conductor Color Coding

- 1 Yellow, 2 Red

Materials

- Corrosion-resistant stranded tinned copper conductors
- White PVC insulation

Availability

100 ft (30.5 m)

500 ft (152 m)

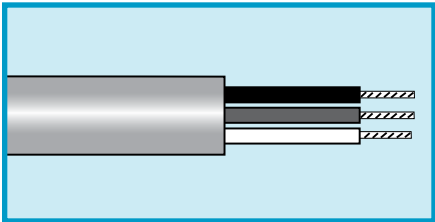
(Minimums may apply)

Two-Conductor Cable

| Part No. | Wire Size |                 | Stranding |            | Insulation Thickness |      | Jacket Thickness |      | Cable Dimension |               |
|----------|-----------|-----------------|-----------|------------|----------------------|------|------------------|------|-----------------|---------------|
|          | AWG       | mm <sup>2</sup> | AWG       | mm         | Inch                 | mm   | Inch             | mm   | Inch            | mm            |
| PDS1802  | 18        | 0.81            | 16/30     | 16 x 0.25  | 0.032                | 0.81 | 0.035            | 0.89 | 0.280 x 0.172   | 7.11 x 4.37   |
| PDS1602  | 16        | 1.32            | 26/30     | 26 x 0.25  | 0.032                | 0.81 | 0.035            | 0.89 | 0.322 x 0.194   | 8.18 x 4.93   |
| PDS1402  | 14        | 2.08            | 41/30     | 41 x 0.25  | 0.032                | 0.81 | 0.035            | 0.89 | 0.356 x 0.211   | 9.04 x 5.36   |
| PDS1202  | 12        | 3.29            | 65/30     | 65 x 0.25  | 0.032                | 0.81 | 0.035            | 0.89 | 0.392 x 0.230   | 9.96 x 5.84   |
| PDS1002  | 10        | 5.32            | 105/30    | 105 x 0.25 | 0.032                | 0.81 | 0.035            | 0.89 | 0.450 x 0.250   | 11.43 x 6.35  |
| PDS0802  | 8         | 8.51            | 168/30    | 168 x 0.25 | 0.048                | 1.22 | 0.035            | 0.89 | 0.608 x 0.336   | 15.44 x 8.53  |
| PDS0602  | 6         | 13.50           | 266/30    | 266 x 0.25 | 0.060                | 1.52 | 0.035            | 0.89 | 0.750 x 0.420   | 19.05 x 10.67 |

# Dearborn™ Marine Cable

## 600 V Unshielded, Multiconductor, Premier Triplex Cable



**UL BC 5W2**  
**UL Oil Res. I**  
**UL VW-1**

**Operating Temperature**

- -20°C to +105°C (dry)
- -20°C to +75°C (wet)

**Conductor Color Coding**

- 1 Black (ungrounded)
- 2 Green (ground)
- 3 White (ground neutral)

**Materials**

- Corrosion-resistant stranded tinned copper conductors
- White PVC insulation

**Availability**

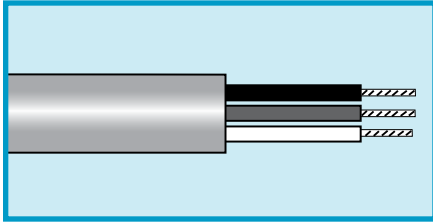
100 ft (30.5 m)  
500 ft (152 m)  
1000 ft (305 m)  
(Minimums may apply)

**Three-Conductor Cable**

| Part No.       | Wire Size |                 | Stranding |            | Insulation Thickness |      | Jacket Thickness |      | Cable Dimension |              |
|----------------|-----------|-----------------|-----------|------------|----------------------|------|------------------|------|-----------------|--------------|
|                | AWG       | mm <sup>2</sup> | AWG       | mm         | Inch                 | mm   | Inch             | mm   | Inch            | mm           |
| <b>PFM1603</b> | 16        | 1.32            | 26/30     | 26 x 0.25  | 0.032                | 0.81 | 0.035            | 0.89 | 0.194 x 0.442   | 4.93 x 11.23 |
| <b>PFM1403</b> | 14        | 2.08            | 41/30     | 41 x 0.25  | 0.032                | 0.81 | 0.035            | 0.89 | 0.208 x 0.484   | 5.28 x 12.29 |
| <b>PFM1203</b> | 12        | 3.29            | 65/30     | 65 x 0.25  | 0.032                | 0.81 | 0.035            | 0.89 | 0.227 x 0.541   | 5.77 x 13.74 |
| <b>PFM1003</b> | 10        | 5.32            | 105/30    | 105 x 0.25 | 0.032                | 0.81 | 0.035            | 0.89 | 0.252 x 0.616   | 6.40 x 15.65 |
| <b>PFM0803</b> | 8         | 8.51            | 168/30    | 168 x 0.25 | 0.048                | 1.22 | 0.035            | 0.89 | 0.302 x 0.766   | 7.67 x 19.46 |
| <b>PFM0603</b> | 6         | 13.50           | 266/30    | 266 x 0.25 | 0.060                | 1.52 | 0.035            | 0.89 | 0.379 x 0.997   | 9.63 x 25.32 |

# Dearborn™ Marine Cable

## 600 V Unshielded, Multiconductor, Premier Round Cable



**UL BC 5W2**

**UL Oil Res. I**

**UL VW-1**

**Operating Temperature**

- -20°C to +105°C (dry)
- -20°C to +75°C (wet)

**Conductor Color Coding**

- Two-Cond. Cable: 1 Black, 2 Red
- Three-Cond. Cable: 1 White, 2 Black, 3 Green
- Four-Cond. Cable: 1 White, 2 Black, 3 Green, 4 Red

**Materials**

- Corrosion-resistant stranded tinned copper conductors
- PVC insulation
- White PVC jacket

**Availability**

100 ft (30.5 m)

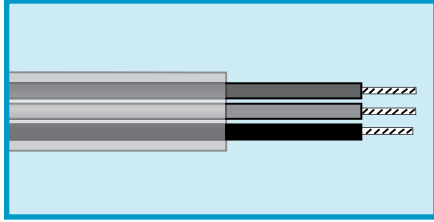
500 ft (152 m)

1000 ft (305 m)

| Part No. | Conductors | Wire Size |                 | Stranding |            | Insulation Thickness |      | Jacket Thickness |      | Nominal Diameter |       |
|----------|------------|-----------|-----------------|-----------|------------|----------------------|------|------------------|------|------------------|-------|
|          |            | AWG       | mm <sup>2</sup> | AWG       | mm         | Inch                 | mm   | Inch             | mm   | Inch             | mm    |
| PRM1602  | 2          | 16        | 1.32            | 26/30     | 26 x 0.25  | 0.032                | 0.81 | 0.035            | 0.89 | 0.324            | 8.23  |
| PRM1603  | 3          | 16        | 1.32            | 26/30     | 26 x 0.25  | 0.032                | 0.81 | 0.035            | 0.89 | 0.344            | 8.74  |
| PRM1604  | 4          | 16        | 1.32            | 26/30     | 26 x 0.25  | 0.032                | 0.81 | 0.035            | 0.89 | 0.376            | 9.55  |
| PRM1402  | 2          | 14        | 2.08            | 41/30     | 41 x 0.25  | 0.032                | 0.81 | 0.035            | 0.89 | 0.352            | 8.94  |
| PRM1403  | 3          | 14        | 2.08            | 41/30     | 41 x 0.25  | 0.032                | 0.81 | 0.035            | 0.89 | 0.374            | 9.50  |
| PRM1404  | 4          | 14        | 2.08            | 41/30     | 41 x 0.25  | 0.032                | 0.81 | 0.035            | 0.89 | 0.410            | 10.41 |
| PRM1202  | 2          | 12        | 3.29            | 65/30     | 65 x 0.25  | 0.032                | 0.81 | 0.035            | 0.89 | 0.390            | 9.91  |
| PRM1203  | 3          | 12        | 3.29            | 65/30     | 65 x 0.25  | 0.032                | 0.81 | 0.035            | 0.89 | 0.415            | 10.54 |
| PRM1204  | 4          | 12        | 3.29            | 65/30     | 65 x 0.25  | 0.032                | 0.81 | 0.035            | 0.89 | 0.456            | 11.58 |
| PRM1002  | 2          | 10        | 5.32            | 105/30    | 105 x 0.25 | 0.032                | 0.81 | 0.035            | 0.89 | 0.400            | 10.16 |
| PRM1003  | 3          | 10        | 5.32            | 105/30    | 105 x 0.25 | 0.032                | 0.81 | 0.035            | 0.89 | 0.469            | 11.91 |
| PRM1004  | 4          | 10        | 5.32            | 105/30    | 105 x 0.25 | 0.032                | 0.81 | 0.035            | 0.89 | 0.517            | 13.13 |
| PRM0803  | 3          | 8         | 8.51            | 168/30    | 266 x 0.25 | 0.048                | 1.22 | 0.035            | 0.89 | 0.646            | 16.41 |
| PRM0804  | 4          | 8         | 8.51            | 168/30    | 266 x 0.25 | 0.048                | 1.22 | 0.035            | 0.89 | 0.716            | 18.19 |
| PRM0603  | 3          | 6         | 13.5            | 266/30    | 266 x 0.25 | 0.060                | 1.52 | 0.035            | 0.89 | 0.794            | 20.17 |
| PRM0604  | 4          | 6         | 13.5            | 266/30    | 266 x 0.25 | 0.061                | 1.55 | 0.035            | 0.89 | 0.888            | 22.56 |

# Dearborn™ Marine Cable

## 600 V Unshielded, Multiconductor, Premier Clear Cote™ Cable



**UL BC 5W2**  
**UL Oil Res. I**  
**UL VW-1**  
**SAE J378B, J1128 Types GPT**  
**and HDT**

### Operating Temperature

- -20°C to +105°C (dry)
- -20°C to +75°C (wet)

### Conductor Color Coding

- 1 Black, 2 Red, 3 Green

### Materials

- Corrosion-resistant stranded tinned copper conductors
- PVC insulation
- Clear PVC jacket

### Availability

100 ft (30.5 m)  
 500 ft (152 m)  
 1000 ft (305 m)  
 (Minimums may apply)

### Three-Conductor Round Cable

| Part No.        | Wire Size |                 | Stranding |           | Insulation Thickness |      | Jacket Thickness |      | Nominal Diameter |      |
|-----------------|-----------|-----------------|-----------|-----------|----------------------|------|------------------|------|------------------|------|
|                 | AWG       | mm <sup>2</sup> | AWG       | mm        | Inch                 | mm   | Inch             | mm   | Inch             | mm   |
| <b>PCM1603R</b> | 16        | 1.32            | 26/30     | 26 x 0.25 | 0.032                | 0.81 | 0.035            | 0.89 | 0.292            | 7.42 |
| <b>PCM1403R</b> | 14        | 2.08            | 41/30     | 41 x 0.25 | 0.032                | 0.81 | 0.035            | 0.89 | 0.329            | 8.36 |
| <b>PCM1203R</b> | 12        | 3.29            | 65/30     | 65 x 0.25 | 0.032                | 0.81 | 0.035            | 0.89 | 0.370            | 9.40 |

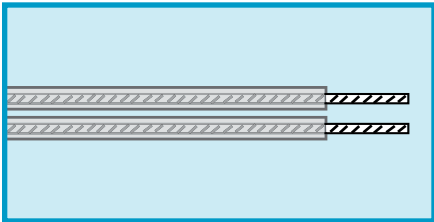
### Two-Conductor Parallel Cable

| Part No.       | Wire Size |                 | Stranding |            | Insulation Thickness |      | Jacket Thickness |      | Nominal Size  |              |
|----------------|-----------|-----------------|-----------|------------|----------------------|------|------------------|------|---------------|--------------|
|                | AWG       | mm <sup>2</sup> | AWG       | mm         | Inch                 | mm   | Inch             | mm   | Inch          | mm           |
| <b>PCM1802</b> | 18        | 0.81            | 16/30     | 16 x 0.25  | 0.032                | 0.81 | 0.022            | 0.56 | 0.244 x 0.140 | 6.20 x 3.56  |
| <b>PCM1602</b> | 16        | 1.32            | 26/30     | 26 x 0.25  | 0.032                | 0.81 | 0.022            | 0.56 | 0.272 x 0.144 | 6.91 x 3.66  |
| <b>PCM1402</b> | 14        | 2.08            | 41/30     | 41 x 0.25  | 0.032                | 0.81 | 0.022            | 0.56 | 0.306 x 0.161 | 7.77 x 4.09  |
| <b>PCM1202</b> | 12        | 3.29            | 65/30     | 65 x 0.25  | 0.032                | 0.81 | 0.022            | 0.56 | 0.197 x 0.350 | 5.00 x 8.89  |
| <b>PCM1002</b> | 10        | 5.32            | 105/30    | 105 x 0.25 | 0.032                | 0.81 | 0.022            | 0.56 | 0.226 x 0.408 | 5.74 x 10.36 |
| <b>PCM0802</b> | 8         | 8.51            | 168/30    | 168 x 0.25 | 0.048                | 1.22 | 0.050            | 1.27 | 0.364 x 0.628 | 9.25 x 15.95 |



# Dearborn™ Marine Cable

300 V Unshielded, Multiconductor, Premier Speaker Cable



**Operating Temperature**

- -20°C to +60°C

**Conductor Color Coding**

- Clear

**Materials**

- Stranded copper conductors, one bar, one tinned
- PVC insulation

**Availability**

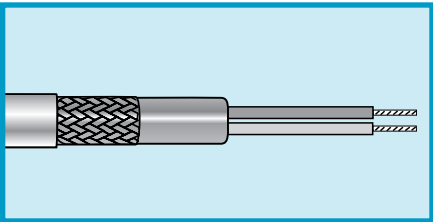
100 ft (30.5 m)  
500 ft (152 m)  
1000 ft (305 m)  
(Minimums may apply)

**Two-Conductor Ripcord Cable**

| Part No. | Wire Size |                 | Stranding |           | Insulation Thickness |      | Nominal Size  |             |
|----------|-----------|-----------------|-----------|-----------|----------------------|------|---------------|-------------|
|          | AWG       | mm <sup>2</sup> | AWG       | mm        | Inch                 | mm   | Inch          | mm          |
| PAM1602  | 16        | 1.32            | 26/30     | 26 x 0.25 | 0.027                | 0.69 | 0.115 x 0.230 | 2.92 x 5.84 |
| PAM1402  | 14        | 2.08            | 41/30     | 41 x 0.25 | 0.027                | 0.69 | 0.140 x 0.290 | 3.56 x 7.37 |

# Dearborn™ Marine Cable

## 600 V Foil/Braid Shielded, Multiconductor, Duplex Cable



**UL BC 5W2**  
**UL VW-1**

**Operating Temperature**

- -20°C to +105°C (dry)
- -20°C to +75°C (wet)

**Conductor Color Coding**

- 1 Yellow, 2 Red

**Materials**

- Corrosion-resistant stranded tinned copper conductors

- PVC insulation
- Foil + braid shield  
Aluminum/polyester foil  
Tinned copper braid
- White PVC jacket

**Availability**

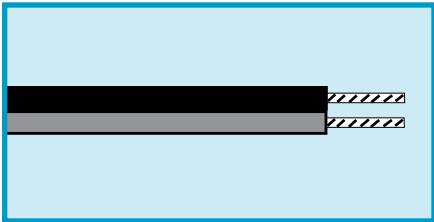
100 ft (30.5 m)  
500 ft (152 m)  
1000 ft (305 m)  
(Minimums may apply)

**Two-Conductor Cable**

| Part No. | Wire Size |                 | Stranding |            | Insulation Thickness |      | Nominal Size |       |
|----------|-----------|-----------------|-----------|------------|----------------------|------|--------------|-------|
|          | AWG       | mm <sup>2</sup> | AWG       | mm         | Inch                 | mm   | Inch         | mm    |
| PSD1602  | 16        | 1.32            | 26/30     | 26 x 0.25  | 0.032                | 0.81 | 0.340        | 8.64  |
| PSD1002  | 10        | 5.32            | 105/30    | 105 x 0.25 | 0.032                | 0.81 | 0.438        | 11.13 |

# Dearborn™ Marine Cable

50 V Unshielded, Multiconductor, Bonded Duplex Primary Cable



**SAE J1128 Type GPT**  
**SAE J378B**

**Operating Temperature**

- -20°C to +105°C

**Conductor Color Coding**

- 1 Black, 2 Red

**Materials**

- Corrosion-resistant stranded bare copper conductors
- PVC insulation

**Availability**

100 ft (30.5 m)

500 ft (152 m)

1000 ft (305 m)

(Minimums may apply)

| Part No. | Wire Size |                 | Stranding |           | Insulation Thickness |      | Nominal Size  |             |
|----------|-----------|-----------------|-----------|-----------|----------------------|------|---------------|-------------|
|          | AWG       | mm <sup>2</sup> | AWG       | mm        | Inch                 | mm   | Inch          | mm          |
| PWM1802B | 18        | 0.81            | 16/0.009  | 16 x 0.23 | 0.023                | 0.58 | 0.094 x 0.189 | 2.39 x 4.80 |
| PWM1602B | 16        | 1.23            | 19/29     | 19 x 0.29 | 0.023                | 0.58 | 0.102 x 0.204 | 2.59 x 5.18 |
| PWM1402B | 14        | 1.94            | 19/27     | 19 x 0.36 | 0.023                | 0.58 | 0.117 x 0.235 | 2.97 x 5.97 |
| PWM1202B | 12        | 3.08            | 19/25     | 19 x 0.45 | 0.023                | 0.58 | 0.142 x 0.285 | 3.61 x 7.24 |
| PWM1002B | 10        | 4.92            | 19/23     | 19 x 0.57 | 0.023                | 0.58 | 0.176 x 0.353 | 4.47 x 8.97 |

# Dearborn™ Marine Cable

## 600 V Unshielded, Multiconductor, Flat Bonded Trailer Cable



**SAE J378/J1128 Type GPT**

**Operating Temperature**

- -20°C to +105°C

**Conductor Color Coding**

- 1 Brown, 2 Yellow, 3 Green, 4 White

**Materials**

- Stranded bare copper conductors
- PVC insulation

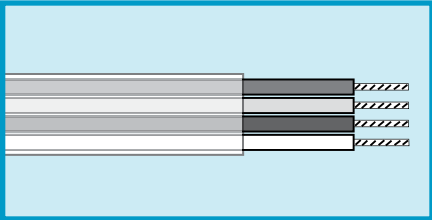
**Availability**

100 ft (30.5 m)  
Bulk, cut to length  
(Minimums may apply)

| Part No. | Conductors | Wire Size |                 | Stranding |           | Insulation Thickness |      | Nominal Size  |              |
|----------|------------|-----------|-----------------|-----------|-----------|----------------------|------|---------------|--------------|
|          |            | AWG       | mm <sup>2</sup> | AWG       | mm        | Inch                 | mm   | Inch          | mm           |
| PTB1603  | 3          | 16        | 1.23            | 19/29     | 19 x 0.29 | 0.023                | 0.58 | 0.013 x 0.309 | 2.62 x 7.85  |
| PTB1604  | 4          | 16        | 1.23            | 19/29     | 19 x 0.29 | 0.023                | 0.58 | 0.103 x 0.412 | 2.62 x 10.46 |

# Dearborn™ Marine Cable

600 V Unshielded, Multiconductor, Premier Round Trailer Cable



**UL BC 5W2**

**Operating Temperature**

- -20°C to +105°C

**Conductor Color Coding**

**Conductor Colors**

- 1 Brown, 2 Yellow, 3 Green, 4 White

**Materials**

- Corrosion-resistant stranded tinned copper conductors
- Clear PVC jacket

**Availability**

100 ft (30.5 m)  
1000 ft (305 m)  
Bulk, cut to length  
(Minimums may apply)

**Four-Conductor Cable**

| Part No. | Wire Size |                 | Stranding |           | Insulation Thickness |      | Nominal Size |       |
|----------|-----------|-----------------|-----------|-----------|----------------------|------|--------------|-------|
|          | AWG       | mm <sup>2</sup> | AWG       | mm        | Inch                 | mm   | Inch         | mm    |
| PTM1604  | 16        | 1.32            | 26/30     | 26 x 0.25 | 0.031                | 0.79 | 0.399        | 10.13 |
| PTM1404  | 14        | 2.08            | 41/30     | 41 x 0.25 | 0.031                | 0.79 | 0.440        | 11.18 |

# Market-Specific Solutions Sets



## The Fast Track to Finding the Perfect Product

Find the wire, cable, and wire management products especially suited to your application with our market-specific solution sets. We've taken our expertise in different industries and applications and picked products that match specific application needs. You'll be able to find and specify products faster and easier.

Products in each solution set reflect the specific needs for electrical performance, durability under mechanical and environmental stresses, standards compliance, and all the other details that distinguish your application in such industries as:

- Consumer goods
- Food and beverage
- Material handling
- Medical devices
- Military
- Industrial packaging
- Pharmaceutical
- Solar power
- Wind power

Visit [www.alphawire.com](http://www.alphawire.com) to find out more about our market specific solution sets.

