



Bulletin 280 — ArmorStart Three-Phase Power Drop Cables (Cordsets and Patchcords)

- Rated for motor branch circuits per UL 2237
- One-piece molded design
- Can be used as a trunk cable for ArmorStart Distributed Motor Controllers with a short circuit protection rating of 10 A

Standards Compliance

UL 2237

Certifications

UL Listed (File No. E318496, Guide PVVA)

Product Selection

Cordsets

Pin Count	Assembly Rating	Cat. No.			
		Straight Female	Right-Angle Female	Straight Male	Right-Angle Male
4-Pin	600V, 10 A	280-PWRM22E-M*	280-PWRM22F-M*	280-PWRM22G-M*	280-PWRM22H-M*
4-Pin	600V, 15 A	280-PWRM24E-M*	280-PWRM24F-M*	280-PWRM24G-M*	280-PWRM24H-M*

Patchcords

Pin Count	Assembly Rating	Cat. No.			
		Straight Female Straight Male	Right-Angle Female Straight Male	Straight Female Right-Angle Male	Right-Angle Female Right-Angle Male
4-Pin	600V, 10 A	280-PWRM22A-M*	280-PWRM22B-M*	280-PWRM22C-M*	280-PWRM22D-M*
4-Pin	600V, 15 A	280-PWRM24A-M*	280-PWRM24B-M*	280-PWRM24C-M*	280-PWRM24D-M*

* The cat. no. is incomplete as shown. For desired length, replace the symbol with: **05** — 0.5 m (1.62 ft), **1** — 1 m (3.3 ft), **015** — 1.5 m (4.9 ft), **2** — 2 m (6.5 ft), **025** — 2.5 m (8.1 ft), **3** — 3 m (9.8 ft), **4** — 4 m (13.1 ft), **6** — 6 m (19.7 ft), **8** — 8 m (26.2 ft), **10** — 10 m (32.8 ft), **12** — 12 m (39.4 ft), or **14** — 14 m (45.9 ft).

* Stainless steel version may be ordered by adding "S" to the catalog number. For example: **280S-PWRM22A-E-M3**.

Specifications

Mechanical	
Coupling Nut	Black Anodized Aluminum or 316 Stainless Steel
Housing	Black PVC
Insert	Black PVC
Cable Diameter	0.43 in. +/- 0.12 in. (10.9 mm +/- 0.5 mm)
Electrical	
Contacts	Brass with Gold over Nickel Plating
Cable	Black PVC, dual rated UL TC/Open Wiring and STOOW
Cable Rating	600V AC/DC
Assembly Rating	600V @ 10 A or 600V @ 15 A, Symmetrical Amps RMS Fault: 65 kA when used with Class CC, T, or J type fuses
Environmental	
Enclosure Type Rating	IP67, NEMA 4; IP69K 1200 psi washdown
Operating Temperature	UL Type TC 600V 90 °C Dry 75 °C Wet, Exposed Run (ER) or MTW 600V 90 °C or STOOW 105 °C 600V - CSA STOOW 600V FT2

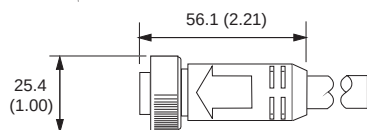
Pinout and Color Code

	Face View Pinout	
	4-Pin	
		
	Female	Male
Color Code	1 Black 2 White	3 Red 4 Green/Yellow Extended PIN

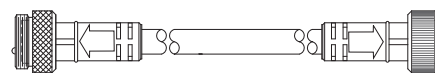
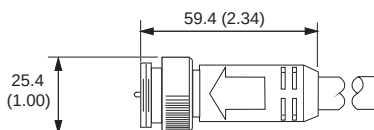
Approximate Dimensions

Dimensions in millimeters (inches). Dimensions are not intended to be used for manufacturing purposes and are subject to change.

Female straight

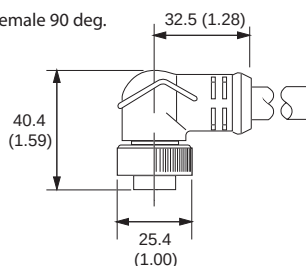


Male straight

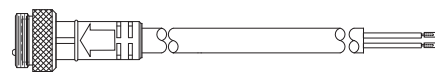
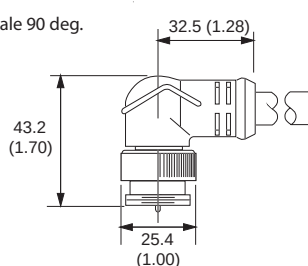


Example of Patchcord

Female 90 deg.



Male 90 deg.



Example of Cordset