



Cordsets and Field Attachables

Bulletin Numbers 879D, 879P, 888B, 888D, 888H, 888M, 888N, 888P, 888R, 889, 889B, 889D, 889L, 889M, 889N, 889P, 889R, 898P, 898R, 889S, 889V

| Topic | Page |
|---|------|
| Summary of Changes | 1 |
| Product Overview | 2 |
| Mini Style | 3 |
| Mini-plus Style | 22 |
| DC Micro Style | 30 |
| M12 Power (L-code) | 64 |
| AC Micro Style | 68 |
| EAC Micro Style | 83 |
| Pico Style | 85 |
| Patchcords | 95 |
| V-cables | 97 |
| Splitters, Pico Style Pico to Pico, DC Micro to Pico | 99 |
| Receptacles, Pico Style 24 AWG, M8 Mounting Threads | 101 |
| Terminal Chambers, Pico Style | 102 |
| Field Attachable, Pico Style Insulated Displacement Connector | 103 |
| Cordsets and Patchcords, M23 QD Style, 18 AWG or 18/22 AWG, Black or Yellow PVC | 104 |
| Receptacles, M23 Style, 18 AWG or 18/22 AWG, M20 Mounting Threads | 106 |
| Field Attachable, M23 Style Solder Type | 108 |
| DIN Valve | 109 |
| Receptacles, Insulation Displacement Connectors (IDC) | 120 |
| Cable Spools | 121 |

Summary of Changes

This publication contains the following new or updated information. This list includes substantive updates only and is not intended to reflect all changes. Translated versions are not always available for each revision.

| Topic | Page |
|---------------------------|------|
| Updated Product Selection | 106 |

DC Micro Style, 18 AWG and 22 AWG, PUR, TPE, or TPR



4-pin DC Micro Cordset

Specifications

| Attribute | Value |
|---------------------------|---|
| Certifications | UL Recognized and CSA Certified |
| Coupling nut material | Epoxy-coated zinc |
| Material | Molded oil-resistant PUR |
| Contact material | Gold over nickel-plated brass |
| Cable type | Oil-resistant PVC jacket, 18 AWG and 22 AWG or 24 AWG conductors, 300V; UL Recognized and CSA Certified |
| Bend radius | 10x diameter |
| Cable diameter [mm (in.)] | <ul style="list-style-type: none"> • 4/c (PUR): 5 (0.21) • 4/c (18 AWG TPE): 7 (0.28) • 4/c (22 AWG TPE): 4.9 (0.19) • 5/c: 6.5 (0.25) • 7/c: 7.4 (0.29) • 8/c: 7.4 (0.29) |
| Electrical | |
| Cable rating | <ul style="list-style-type: none"> • 4 & 5/c (PUR): UL AWM style 20866 VW-1 80C 300V, CSA AWM A/B I/II 80C 300V FT1; UV-, oil-, and water-resistant • 8/c (PUR): UL AWM style 20866 90C 300V, CSA II A 90C 300V • TPE: UL AWM style 20327 VW-1 105C 300V, CSA AWM A/B I/II 105C 300V FT1; UV-, oil-, and water-resistant |
| Environmental | |
| Enclosure type rating | IP67, NEMA 6P, 1200 psi (8270 kPa) washdown, IP69K |
| Temperature rating | <ul style="list-style-type: none"> • PUR models: -20...+80 °C (-4...+176 °F) • TPE models: -50...+105 °C (-58...+221 °F) • TPR models: -25...+125 °C (-13...+256 °F) |

Product Selection

Cordsets

| No. of Pins | Cable Type | Wire Size [AWG] | Assembly Rating | Color Code ⁽¹⁾ | Cat. No. ⁽²⁾ | | | |
|-------------|--------------|-----------------|---------------------|---------------------------|-------------------------|--------------------|---------------|------------------|
| | | | | | Straight Socket | Right-angle Socket | Straight Plug | Right-angle Plug |
| 3-pin | PUR | 18 | 250V, 4 A | A | 889D-F3UE-2 | 889D-R3UE-2 | 889D-M3UE-2 | 889D-E3UE-2 |
| 4-pin | TPE | 18 | | | 889D-F4HJ-2 | 889D-R4HJ-2 | 889D-M4HJ-2 | 889D-E4HJ-2 |
| | | 22 | | | 889D-F4HL-2 | 889D-R4HL-2 | 889D-M4HL-2 | 889D-E4HL-2 |
| | PUR | 22 | | | 889D-F4UC-2 | 889D-R4UC-2 | 889D-M4UC-2 | 889D-E4UC-2 |
| | | 18 | | | 889D-F4UE-2 | 889D-R4UE-2 | 889D-M4UE-2 | 889D-E4UE-2 |
| 5-pin | PUR | 22 | | | 889D-F5UC-2 | 889D-R5UC-2 | 889D-M5UC-2 | 889D-E5UC-2 |
| 8-pin | TPR | 24 | 30V AC/36V DC 1.5 A | B | 889D-F8AC-2 | — | — | — |
| | PUR | 24 | 889D-F8AB-2 | | 889D-R8AB-2 | 889D-M8AB-2 | 889D-E8AB-2 | |
| | PVC shielded | 22 | — | | 889D-F8FB-2 | 889D-R8FB-2 | 889D-M8FB-2 | — |

(1) See [Pinout and Color Code on page 36](#).

(2) The 2 at the end of the catalog number is for 2 m (6.6 ft) cable length. Replace the 2 with 5 (5 m [16.4 ft]) or 10 (10 m [32.8 ft]) for standard cable lengths.

Patchcords

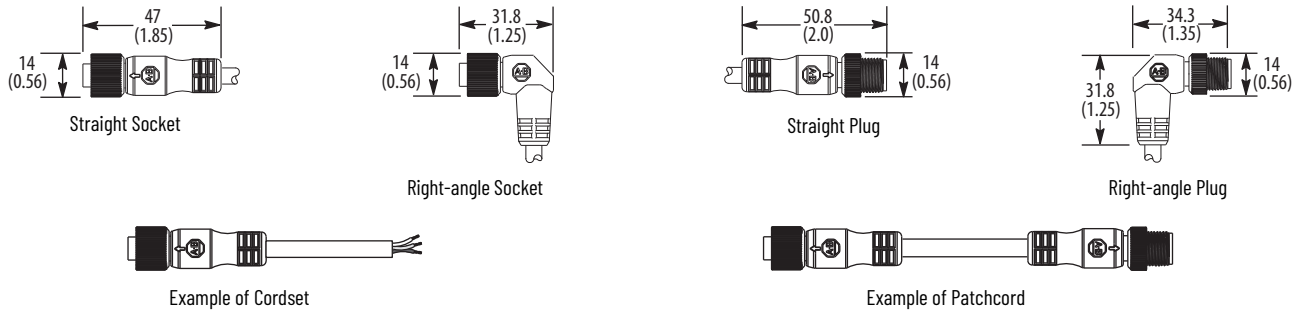
| No. of Pins | Cable Type | Wire Size [AWG] | Assembly Rating | Color Code (1) | Cat. No. (2) | | | |
|-------------|--------------|-----------------|---------------------|----------------|----------------------------------|-------------------------------------|-------------------------------------|--|
| | | | | | Straight Socket Straight Plug | Straight Socket Right-angle Plug | Right-angle Socket Straight Plug | Right-angle Socket Right-angle Plug |
| 3-pin | PUR | 18 | 250V, 4 A | A | 889D-F3UEDM-2 | 889D-F3UEDE-2 | 889D-R3UEDM-2 | 889D-R3UEDE-2 |
| 4-pin | TPE | 22 | | | 889D-F4HJDM-2 | 889D-F4HJDE-2 | 889D-R4HJDM-2 | 889D-R4HJDE-2 |
| | | 22 | | | 889D-F4HLDM-2 | 889D-F4HLDE-2 | 889D-R4HLDM-2 | 889D-R4HLDE-2 |
| | PUR | 22 | | | 889D-F4UCDM-2 | 889D-F4UCDE-2 | 889D-R4UCDM-2 | 889D-R4UCDE-2 |
| | | 18 | | | 889D-F4UEDM-2 | 889D-F4UEDE-2 | 889D-R4UEDM-2 | 889D-R4UEDE-2 |
| 5-pin | PUR | 22 | | | 889D-F5UCDM-2 | 889D-F5UCDE-2 | 889D-R5UCDM-2 | 889D-R5UCDE-2 |
| 8-pin | | 24 | 889D-F8ABDM-2 | 889D-F8ABDE-2 | 889D-R8ABDM-2 | 889D-R8ABDE-2 | | |
| 8-pin | PVC shielded | 24 | 30V AC/36V DC 1.5 A | B | 889D-F8FBDM-2 | 889D-F8FBDE-2 | 889D-R8FBDM-2 | 889D-R8FBDE-2 |

(1) See [Pinout and Color Code](#).

(2) The 2 at the end of the catalog number is for 2 m (6.6 ft) cable length. Replace the 2 with 0M3 (0.3 m [1 ft]), 1 (1 m [3.3 ft]), 5 (5 m [16.4 ft]), or 10 (10 m [32.8 ft]) for standard cable lengths.

Approximate Dimensions

Dimensions are shown in mm (in.). Dimensions are not intended to be used for manufacturing purposes.



Pinout and Color Code

| Color Code | Face View Pinout | | | | | | | |
|------------|--|------------------------------|----------------|------------------------------|-------------------|---|--|--|
| | 3-pin | | 4-pin | | 5-pin | | 8-pin | |
| | Socket | Socket | Plug | Socket | Plug | Socket | Plug | |
| A | 1 Brown 2 – 3 Blue 4 Black 5 – | 1 Brown 2 White 3 Blue | 4 Black 5 – | 1 Brown 2 White 3 Blue | 4 Black 5 Gray | 1 Red 2 Blue 3 Green 4 Yellow | 5 Black 6 White 7 N.C. 8 Gray | |
| B | – | – | – | – | – | 1 White 2 Brown 3 Green 4 Yellow | 5 Gray 6 Pink 7 Blue 8 Red | |