Amphenol | SINESYSTEMS

# FlexGrade™

## Connectors & Cables

# CONTINUOUS FLEX CABLE SOLUTION GUIDE

## RELIABILITY. LOW COST. PERFORMANCE. DELIVERY!

FlexGrade™ Connectors and Cables from Amphenol Sine Systems are designed to be either factory-assembled turn-key cable assemblies or supplied as field-installed kits that are terminated by the OEM. The main feature of the FlexGrade™ assembly kits is SIMPLICITY. The two-piece die-cast back shell provides outstanding, EMI shielding, strain relief and environmental capabilities. The molded strain relief boot Is a professional, esthetically pleasing product. The FlexGrade™ products satisfy all parameters defined by industrial standards including vibration, shock, temperature cycling, salt water spray and petroleum derivatives. The universal cable assemblies, connector kits and bulk cable are available for all common Allen-Bradley 1326 AB 460V AC Servo Motor applications.

For price and delivery information, please contact our US Corporate Headquarters at 586-465-3131.

**INTERCONNECTING**YOUR**WORLD**

# FLEXGRADE FEATURES & BENEFITS

## FEATURES

- Braided cable shield
- Thermoplastic Elastomer cable jacket
- Pre-molded hard PVC encapsulates conductor to contact termination points
- Over-molded back shells bonded to connector and cable jacket
- Flexible strain relief molded to cable jacket
- Abrasion resistance
- Oil resistance

## BENEFITS

→ Excellent noise immunity

→ Superior pull strength and resistance to cable separation from connector

→ Use of double-ended, in-line connection assemblies coupled with non-flex assemblies allows for low cost solutions.

→ Minimum bending radius for flexible use at 10X outer cable diameter

→ Maximum flex-life rated over 5 million cycles

| FLEX CABLE DESCRIPTION | ROCKWELL CATALOG STATIC ASSEMBLY | SINE SYSTEMS CABLE ASSEMBLY | SINE SYSTEMS "EXTENSION" ASSEMBLY | BULK CABLE |
|---|---|---|---|---|
| MP Universal 16 AWG Power | 2090-XXNPMP-16SXX | P28435-MXX | P28129-MXX | KA-56313 |
| MP Universal 14 AWG Power | 2090-XXNPMP-14SXX | P28436-MXX | P28128-MXX | KA-56314 |
| MP Universal 10 AWG Power | 2090-XXNPMP-10XX | P28437-MXX | P28130-MXX | KA-56315 |
| MP Universal Feedback (Flying Lead) | 2090-XXNFMP-SXX | P28438-MXX | P28126-MXX | KA-56312 |
| MP/Ultra Specific Feedback (D-Sub) | 2090-UXNFBMP-SXX | P28439-MXX | P28126-MXX | KA-56312 |
| MP/Universal 18 AWG Brake | 2090-UXNBMP-18SXX | P28114-MXX | P28131-MXX | KA-56055 |
| H&F Universal 16 AWG Power | 2090-XXNPH-16SXX | P28116-MXX | P28133-MXX | KA-56313 |
| H&F Universal 14 AWG Power | 2090-XXNPHF-14SXX | P28117-MXX | P28134-MXX | KA-56314 |
| H&F Universal Feedback (Flying Lead) | 2090-XXNFHF-SXX | P28115-MXX | P28132-MXX | KA-56312 |
| H&F/Ultra Specific Feedback (D-Sub) | 2090-UXNFBHF-SXX | P28440-MXX | P28132-MXX | KA-56312 |
| N Universal 16 AWG Power | 2090-XXNPH-16SXX | P28120-MXX | P28136-MXX | KA-56313 |
| N Universal Feedback (Flying Lead) | 2090-XXNFN-SXX | P28119-MXX | P28137-MXX | KA-56312 |
| N/Ultra Specific Feedback (D-Sub) | 2090-UXNFBN-SXX | P28441-MXX | P28137-MXX | KA-56312 |
| Y Universal 16 AWG Power | 2090-XXNPY-16SXX | P28121-MXX | P28138-MXX | KA-50422 |
| Y Universal Feedback (Flying Lead) | 2090-XXNFY-SXX | P28122-MXX | P28139-MXX | KA-56312 |
| Y/Ultra Specific Feedback (D-Sub) | 2090-UXNFBY-SXX | P28442-MXX | P28139-MXX | KA-56312 |

*XX designates cable length option. Please contact Sine Systems for price and availability.

| CONNECTOR KIT DESCRIPTION | SINE SYSTEMS PART NUMBER |
|---|---|
| MP Universal 16 AWG Connector Kit | P28916 |
| MP Universal 14 AWG Connector Kit | P28917 |
| MP Universal 10 AWG Connector Kit | P28920 |
| MP Universal Feedback Connector Kit | P28918 |
| MP Universal Brake Connector Kit | P28919 |

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