

Alpha Wire **INDUSTRIAL** SERIES

TECHNOLOGICALLY ADVANCED CABLE SYSTEMS FOR AUTOMOTIVE AND INDUSTRIAL FACTORY AUTOMATION

Alpha Wire continues to offer “Powerful Solutions For Critical Applications” with the introduction of our new **Alpha Wire INDUSTRIAL** SERIES product line.

The **Alpha Wire INDUSTRIAL** SERIES offers technologically advanced cable systems for automotive and industrial factory automation. There is an **Alpha Wire INDUSTRIAL** SERIES cable product available to solve most existing critical and severe-duty application requirements.

When it has to be right, when dependability and quality are paramount, when safety and security are the primary issue, the **UL Exposed Run (-ER) Compliant Alpha Wire INDUSTRIAL** SERIES provides the total solution and sets the industry standard for performance, quality and reliability.

Specify **Alpha Wire INDUSTRIAL** SERIES: **SERIES F, SERIES M, SERIES L, SERIES P, SERIES S** and **SERIES V** for compliance with the 2005 National Electrical Code for cables installed in industrial establishments.

All **Alpha Wire INDUSTRIAL** SERIES products are designed and manufactured in the United States by Alpha's exacting team of engineers. If you don't find the cable you require in this catalog, we'll work with you to design what you need.



Manufactured In The U.S.A.

APPLICATIONS

- High Flexibility/High Bend Applications
- Factory Equipment Interconnects
- Robotics
- Machine Tools
- Automotive Assembly Equipment
- Conveyor Systems
- Control Panels
- Flex and Static Track
- Transfer Shuttles
- Automated Pick-and-Place Systems
- PLC Controlled Equipment
- C-Track or Stationary Applications
- Automated Handling Systems
- Regulation and Measurement of Motor Speeds and Positions For Use in Servo Motor Systems

UL AWM STYLE 20626
CSA AWM I A/B II A/B FT-1
RoHS COMPLIANT
300 VOLT

Alpha Wire **INDUSTRIAL** SERIES

SERVO RESOLVER CABLE/SERVER ENCODER CABLE

RESOLVER: MULTIPAIR, SHIELDED / ENCODER: MULTICONDUCTOR, SHIELDED

SERIES S

SERVO RESOLVER CABLE SERVO ENCODER CABLE OIL RESISTANT/FLEXIBLE

FOR SUPERIOR PERFORMANCE IN THE CONTROL AND MEASUREMENT OF SERVO MOTOR SYSTEMS

CHOOSE SERIES S RESOLVER AND ENCODER CABLES FOR:

- Stationary or Flexing Applications
- Connecting to Motor Position Sensors, Processors and Controllers

SERIES S RESOLVER AND ENCODER CABLE APPLICATIONS:

- The Regulation and Measurement of Motor Speeds and Positions For Use in Servo Motor Systems

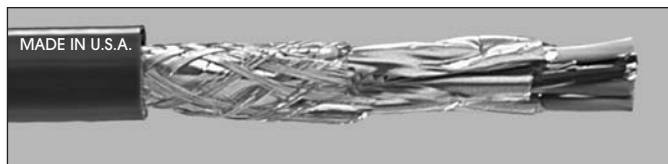
COLOR CODE CHART

Pair No.	Color	Pair No.	Color
1	Black paired with Red	4	Black paired with Blue
2	Black paired with White	5	Black paired with Brown
3	Black paired with Green	6	Black paired with Yellow

FIT® TUBING RECOMMENDATION

FIT®-600 – Highly Flexible, Irradiated Elastomer
(See Page 131 for Product Specifications)

FIT®-650 – Chemical and Temperature Resistant Irradiated Viton®
(See Page 132 for Product Specifications)



CHARACTERISTICS

OPERATING TEMPERATURE:

- -10°C to 80°C

VOLTAGE RATING:

- 300 Volt

COLOR DESCRIPTION:

- Color Code **Resolver**: See Chart Below at Left.
- Color Code **Encoder**: Brown, Black, Gray, Blue, White, Red, Pink, Green, Yellow
- Jacket Color: Black

PRODUCT DESCRIPTION RESOLVER:

- Conductor: Tinned Copper
- Insulation: Polyolefin
- Shield: Individual Foil and Overall Tinned Copper Braid
- Jacket: Specially Formulated Thermoplastic Elastomer

PRODUCT DESCRIPTION ENCODER:

- Conductor: Bare Copper
- Insulation: Polyolefin
- Shield: Overall Tinned Copper Braid
- Jacket: Specially Formulated Thermoplastic Elastomer

SPECIFICATIONS

- UL AWM Style 20626
- CSA AWM I A/B II A/B FT-1
- RoHS Compliant



AVAILABILITY

- In Stock: 100 ft (30.5m), 500 ft (152m) and 1000 ft (305m) put-ups

SERIES S – RESOLVER CABLE

Alpha Part No.	No. of Pairs	Conductor		Jacket Thickness		Nominal Diameter	
		AWG	Strand	Inches	mm	Inches	mm
S61403CY	3	20	41/36	0.050	1,3	0.523	13,3
S61404CY	4	20	41/36	0.050	1,3	0.555	14,1
S61406CY	6	20	41/36	0.050	1,3	0.630	16,0

SERIES S – ENCODER CABLE

Alpha Part No.	No. of Cond.	Conductor		Jacket Thickness		Nominal Diameter	
		AWG	Strand	Inches	mm	Inches	mm
S61300CY	9	20	26/34	0.033	0,8	0.370	9,3

Viton® is a registered trademark of DuPont Dow Elastomers

