

Advanced Cable Products for Industrial Applications

Alpha Wire Industrial Series (AWIS) Cable



AlphaWire

Cables you trust. Service you deserve.



Series V VFD Cables

Double shielded for superior EMI performance

UL TC-ER
UL RHW-2/XHHW-2
UL 1000 V Flexible Motor Supply
UL Oil Res. I
UL Sunlight Resistant
UL Direct Burial
CSA AWM I/II A/B FT4
Pennsylvania MSHA

3 or 4 conductors / Optional brake pair

16 to 4/0 AWG

-40°C to +90°C (static and dynamic)

10x cable diameter bend radius (static)

1000V



Series V-Flex VFD Cables

Superior flexibility for easier routing and handling

UL TC-ER
UL RHW-2/XHHW-2
UL 1000 V Flexible Motor Supply
UL Oil Res. I/II
CSA FT4

4 conductors

16 to 4 AWG

-40°C to +90°C (static and dynamic)

5x cable diameter bend radius (static)

1000V



Series F Continuous Flex Control Cables

Rated for more than 20 million rolling flex cycles

UL TC-ER
UL PLTC
UL TFFN/THHN
UL Oil Res. I/II
UL Sunlight Resistant
CSA AWM I/II A/B FT4

Up to 65 conductors

18 to 8 AWG

-30°C to +90°C (static)

-5°C to +90°C (dynamic)

8x cable diameter radius (static and dynamic)

600V



Series M Control Cables

Industry-leading mechanical and electrical performance for stationary cable trays

UL TC-ER UL PLTC
UL MTW UL WTTC

UL Oil Res. I
UL Sunlight Resistant
UL Direct Burial
CSA AWM I/II A/B FT4

Up to 65 conductors

18 to 8 AWG

-30°C to +90°C (static)

-5°C to +90°C (dynamic)

8x cable diameter bend radius (static and dynamic)

Flex life up to 1.5 million flex cycles

600V

Advanced Cable Products for Industrial Applications



Series P Control Cable

Enhanced flexibility and routability for cable trays

UL TC-ER
UL PLTC
UL MTW
UL TFFN/THHN
UL Oil Res. I/II
UL Sunlight Resistant
CSA AWM I/II A/B FT4

Up to 65 conductors

18 to 8 AWG

-30 °C to +90 °C (static)
-5 °C to +90 °C (dynamic)

8x cable diameter bend radius
(static and dynamic)

Flex life up to 1.5 million flex cycles

600V



Series SF Servo Control Cable

Provides substantially increased flexibility for servo motors and servo drives

UL TC-ER
UL WTTC
UL Oil Res. I/II
UL Sunlight Resistant
CSA AWM I/II A/B FT4

4 power conductors or
4 power + 2 pairs for control

18 to 8 AWG

-30 °C to +90 °C (static)
-5 °C to +90 °C (dynamic)

10x cable diameter bend radius
(static and dynamic)

Flex life up to 1 million flex cycles

600V



Series XM Flexible Control Cable

Finely stranded conductors for better flexibility in continuous flex applications

UL TC-ER
UL MTW
UL WTTC
UL Oil Res. I
UL Sunlight Resistant
CSA AWM I/II A/B FT4

Up to 65 conductors

18 to 8 AWG

-30 °C to +90 °C (static)
-5 °C to +90 °C (dynamic)

6x cable diameter (static), 8x cable diameter
(dynamic) bend radius

Flex life up to 12 million flex cycles

600V

Free samples available through
Alpha's website:
[http://www.alphawire.com/en/
ResourceCenter/Tools/SampleRequest](http://www.alphawire.com/en/ResourceCenter/Tools/SampleRequest)

Request a custom quote on
Alpha's website:
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WireAndCable/RequestAQuoteForm](http://www.alphawire.com/en/Custom-WireAndCable/RequestAQuoteForm)

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