XTRA-GUARD® Flexible Cables

CONTINUOUS FLEX CONTROL CABLE MULTICONDUCTOR, SHIELDED

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UL AWM STYLE 2587
CSA AWM I A/B II A/B FT1
RoHS COMPLIANT
600 VOLT

Xtreme Performance In Single Axis, High-To-Severe Duty, Continuous Rolling Or Bending Flexing Environments Up To 14 Million Flex Life Cycles

XTREME PERFORMANCE BENEFITS:

- Flexible PVC Insulation And Jacket With Overall Cable Design For Installation In C-Track Or Xtreme Flexing Applications Up To 14 Million Flex Life Cycles
- Outstanding Service Life In Heavy Duty, High-Speed Cable Track Applications
- Unique Premium-Grade PVC Insulation And Jacket Provides Easier Routing Of Cables In Tight Spaces
- Outstanding Oil, Solvent, Chemical And Fuel Resistance
- Perfectly Round Geometry Helps Insure A Liquid-Tight Installation Per IP-67 Or NEMA 6
- Superior Performance Against EMI / RFI

XTRA-GUARD® CONTINUOUS FLEX CONTROL CABLE APPLICATIONS:

- Applications Requiring Continuous Flexing
- Robotics
- Installation in Cable Track
- Assembly Lines
- Automation Equipment
- Material Handling Equipment

CHARACTERISTICS

Operating Temperature:

- -5° C to 90° C (Flexing)
- -40° C to 90° C (Stationary)

Voltage Rating:

- 600 Volt

Color Description:

- Color Code: Numerically Numbered (Alternate and Inverted) Red Conductors with One Green/Yellow Conductor on Outside Layer (One Yellow/Green Conductor on 3 Conductor and Above Only.)
- Jacket Color: Black

Product Description:

- Conductor: Super Finely StrandedBare Copper
- Insulation : Lubricated PVC
- Fillers: Non-Wicking, Solid PVC Rod
- Wrap: Non-Wicking Fabric
- Jacket: Oil Resistant PVC

SPECIFICATIONS

- Bend Radius: 10X Cable Diameter (Static & Dynamic)
- UL AWM Style 2587
- CSA AWM II A/B FT1
- Jacket Meets VDE 0472, Section 803 Oil Test
- Passes MIL-C-13777G Flexlife Test
- CE LVD-CD 73/23/EEC Modified by 93/68/EEC
- RoHS Compliant

Recognized Component Underwriters Laboratories Inc.
Certified Canadian Standards Association
CE
RoHS Compliant

AVAILABILITY

- Most Items Are Available For Same-Day Shipment From Inventory
  - Orders Placed By 6:00 EST Will Be Shipped The Same Day
- Please Refer To http://www.alphawire.com/pages/stk.cfm For Stocked Items
  - Minimums May Apply For Non Stocked Items

***FIT*® TUBING RECOMMENDATION**
***FIT*® - FLEX** - Highly Flexible Irradiated Silicone Rubber
(See Page 134 for Product Specifications)
***FIT*®- 650** - Chemical and Temperature Resistant Viton®
(See Page 132 for Product Specifications)

8 AWG (8,62mm²), 266/32 (266x0,20mm), Insulation Thickness: 0.032" (0,81mm) ***NEW!*** ***NEW!***

Alpha Part No.	No. of Cond.	Jacket Thickness Inches	Jacket Thickness mm	Nominal Diameter Inches	Nominal Diameter mm
85904CY	4	0.085	2,16	0.882	22,40

6 AWG (13,38mm²), 413/32 (413x0,020mm), Insulation Thickness: 0.047" (1,19mm) ***NEW!*** ***NEW!***

Alpha Part No.	No. of Cond.	Jacket Thickness Inches	Jacket Thickness mm	Nominal Diameter Inches	Nominal Diameter mm
85704CY	4	0.085	2,16	1.066	27,08

4 AWG (21,55mm²), 665/32 (665x0,20mm), Insulation Thickness: 0.047" (1,19mm) ***NEW!*** ***NEW!***

Alpha Part No.	No. of Cond.	Jacket Thickness Inches	Jacket Thickness mm	Nominal Diameter Inches	Nominal Diameter mm
85504CY	4	0.085	2,16	1.227	31,17

20 AWG (0,51mm²), 63/38 (63x0,10mm), Insulation Thickness: 0.022" (0,56mm)

Alpha Part No.	No. of Cond.	Jacket Thickness Inches	Jacket Thickness mm	Nominal Diameter Inches	Nominal Diameter mm
85003CY	3	0.035	0,89	0.350	8,89
85004CY	4	0.035	0,89	0.375	9,52
85005CY	5	0.040	1,02	0.411	10,44
85007CY	7	0.040	1,02	0.482	12,24
85010CY	10	0.040	1,02	0.545	13,84
85012CY	12	0.050	1,27	0.564	14,33
85018CY	18	0.060	1,52	0.662	16,81
85025CY	25	0.070	1,78	0.812	20,62

2 AWG (33,86mm²), 1045/32 (1045x0.20mm), Insulation Thickness: 0.047" (1,19mm) ***NEW!***

Alpha Part No.	No. of Cond.	Jacket Thickness Inches	Jacket Thickness mm	Nominal Diameter Inches	Nominal Diameter mm
85304CY	4	0.095	2,41	1.431	36,35

18 AWG (0,85mm²), 105/38 (105x0,10mm), Insulation Thickness: 0.022" (0,56mm)

Alpha Part No.	No. of Cond.	Jacket Thickness Inches	Jacket Thickness mm	Nominal Diameter Inches	Nominal Diameter mm
85803CY	3	0.035	0,89	0.376	9,55
85804CY	4	0.040	1,02	0.414	10,52
85805CY	5	0.040	1,02	0.453	11,51
85807CY	7	0.045	1,14	0.532	13,51
85812CY	12	0.060	1,52	0.634	16,10
85818CY	18	0.060	1,52	0.725	18,42
85825CY	25	0.080	2,03	0.908	23,06

16 AWG (1,36mm²), 163/38 (163x0,10mm), Insulation Thickness: 0.022" (0,56mm)

Alpha Part No.	No. of Cond.	Jacket Thickness Inches	Jacket Thickness mm	Nominal Diameter Inches	Nominal Diameter mm
85603CY	3	0.035	0,89	0.419	10,64
85604CY	4	0.040	1,02	0.460	11,68
85605CY	5	0.040	1,02	0.500	12,70
85607CY	7	0.055	1,40	0.602	15,29
85612CY	12	0.060	1,52	0.700	17,78
85615CY	15	0.060	1,52	0.769	19,53
85618CY	18	0.060	1,52	0.805	20,45
85625CY	25	0.065	1,65	0.973	24,71
85634CY	34	0.085	2,16	1.087	27,61

14 AWG (2,16mm²), 266/38 (266x0,10mm), Insulation Thickness: 0.022" (0,56mm)

Alpha Part No.	No. of Cond.	Jacket Thickness Inches	Jacket Thickness mm	Nominal Diameter Inches	Nominal Diameter mm
85404CY	4	0.050	1,27	0.528	13,41
85407CY	7	0.065	1,65	0.676	17,17

12 AWG (3,35mm²), 413/38 (413x0,10mm), Insulation Thickness: 0.022" (0,56mm)

Alpha Part No.	No. of Cond.	Jacket Thickness Inches	Jacket Thickness mm	Nominal Diameter Inches	Nominal Diameter mm
85204CY	4	0.075	1,90	0.641	16,28
85207CY	7	0.100	2,54	0.836	21,23

10 AWG (5,34mm²), 658/38 (658x0,10mm), Insulation Thickness: 0.022" (0,56mm)

Alpha Part No.	No. of Cond.	Jacket Thickness Inches	Jacket Thickness mm	Nominal Diameter Inches	Nominal Diameter mm
85104CY	4	0.070	1,78	0.707	17,96
85107CY	7	0.100	2,54	0.947	24,05

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