

CONTINUOUS FLEX CONTROL CABLE
MULTICONDUCTOR, UNSHIELDED



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

XTRA-GUARD® CONTINUOUS FLEX CONTROL CABLE APPLICATIONS:

- Applications Requiring Continuous Flexing
- Robotics
- Installation in Cable Track
- Data Processing Equipment
- 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 (The Conductor Counts Shown Include A Green/Yellow Conductor)
- Jacket Color: Black

Product Description:

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

SPECIFICATIONS

- Bend Radius: 8X Cable Diameter (Static & Dynamic)
- UL AWM Style 2587
- CSA AWM I A/B II A/B FT1
- Jacket Meets VDE 0472, Section 803 Oil Test
- Passes MIL-C-13777G Flex Life Test
- CE LVD-CD 73/23/EEC Modified by 93/68/EEC
- 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

FT7® TUBING RECOMMENDATION

FT7® - FLEX - Highly Flexible Irradiated Silicone Rubber (See Page 134 for Product Specifications)

FT7® - 650 - Chemical and Temperature Resistant Viton® (See Page 132 for Product Specifications)

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8 AWG (8,62mm²), 266/32 (266x0,20mm), Insulation Thickness: 0.032" (0,081mm) *NEW!*

NEW!

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
85904	4	0.070	1,78	0.721	18,31

6 AWG (13,88mm²), 413/32 (413x0,20mm), Insulation Thickness: 0.047" (1,19mm) *NEW!*

NEW!

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
85704	4	0.085	2,16	0.935	23,75

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

NEW!

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
85504	4	0.085	2,16	1.076	27,33

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

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
85003	3	0.035	0,89	0.272	6,91
85004	4	0.035	0,89	0.297	7,54
85005	5	0.035	0,89	0.323	8,20
85007	7	0.040	1,02	0.388	9,86
85012	12	0.045	1,14	0.460	11,68
85018	18	0.050	1,27	0.548	13,92
85025	25	0.065	1,65	0.691	17,55
85034	34	0.065	1,65	0.746	18,95

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

NEW!

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
85304	4	0.085	2,16	1.250	31,75

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

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
85803	3	0.035	0,89	0.298	7,57
85804	4	0.035	0,89	0.326	8,28
85805	5	0.035	0,89	0.355	9,02
85807	7	0.045	1,14	0.438	11,13
85812	12	0.050	1,27	0.520	13,21
85815	15	0.050	1,27	0.577	14,66
85818	18	0.050	1,27	0.608	15,44
85825	25	0.065	1,65	0.767	19,48
85834	34	0.065	1,65	0.830	21,08

16 AWG (1,36mm²), 168/38 (168x0,10mm), Insulation Thickness: 0.022" (0,56mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
85603	3	0.035	0,89	0.331	8,41
85604	4	0.035	0,89	0.362	9,19
85605	5	0.035	0,89	0.396	10,06
85607	7	0.040	1,02	0.478	12,14
85612	12	0.045	1,14	0.573	14,55
85618	18	0.045	1,14	0.674	17,12
85625	25	0.065	1,65	0.862	21,89
85634	34	0.065	1,65	0.936	23,77
85650	50	0.085	2,16	1.161	29,49

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

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
85404	4	0.050	1,27	0.424	10,77
85407	7	0.070	1,78	0.582	14,78

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

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
85204	4	0.070	1,78	0.527	13,39
85207	7	0.100	2,54	0.729	18,52

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

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
85104	4	0.070	1,78	0.590	14,99
85107	7	0.100	2,54	0.816	20,73

