

XTRA·GUARD® Flexible Cables

HIGH-FLEX CONTROL CABLE

CONTINUOUS FLEXING, OIL RESISTANT, MULTICONDUCTOR, UNSHIELDED

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

CHOOSE XTRA·GUARD HIGH-FLEX CONTROL CABLES FOR:

- Extra Flexibility and Durability for Continuous Motion
- Extended Cycle Life 13.8 Million (Test Report Available)
- Outstanding Oil and Chemical Resistance
- Jacket Meets VDE 0472, Section 803 Oil Test
- UL Recognized and CSA Certified, CE Marked

XTRA·GUARD HIGH-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
- 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
- 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 CD 93/68/EEC
- RoHS Compliant



Underwriters Laboratories Inc.



Canadian Standards Association



AVAILABILITY

- In Stock: Bulk, Cut to Length

FIT® TUBING RECOMMENDATION

FIT® FLEX – Highly Flexible, Irradiated Silicone Rubber
(See Page 134 for Product Specifications)

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

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20 AWG (0,5mm²), 65/38 (65/0,1mm), Insulation Thickness: 0.022" (0,56mm)

Alpha Part No.	No. of Cond.	Jacket Thickness Inches	Jacket Thickness mm	Nominal Diameter Inches	Nominal Diameter mm
85003	3	0.035	0,89	0.266	6,8
85004	4	0.035	0,89	0.287	7,3
85005	5	0.035	0,89	0.319	8,1
85007	7	0.040	1,00	0.368	9,3
85012	12	0.045	1,10	0.454	11,5
85018	18	0.050	1,30	0.535	13,6
85025	25	0.065	1,70	0.666	16,9
85034	34	0.065	1,70	0.733	18,6

18 AWG (1,0mm²), 105/38 (105/0,1mm), Insulation Thickness: 0.022" (0,56mm)

Alpha Part No.	No. of Cond.	Jacket Thickness Inches	Jacket Thickness mm	Nominal Diameter Inches	Nominal Diameter mm
85803	3	0.035	0,89	0.286	7,3
85804	4	0.035	0,89	0.310	7,9
85805	5	0.035	0,89	0.337	8,6
85807	7	0.045	1,10	0.407	10,3
85812	12	0.050	1,30	0.502	12,8
85815	15	0.050	1,30	0.553	14,0
85818	18	0.085	2,20	0.583	14,8
85825	25	0.085	2,20	0.722	18,3
85834	34	0.085	2,20	0.799	20,3

16 AWG (1,5mm²), 168/38 (168/0,1mm), Insulation Thickness: 0.022" (0,56mm)

Alpha Part No.	No. of Cond.	Jacket Thickness Inches	Jacket Thickness mm	Nominal Diameter Inches	Nominal Diameter mm
85603	3	0.035	0,89	0.325	8,3
85604	4	0.035	0,89	0.354	9,0
85605	5	0.035	0,89	0.387	9,8
85607	7	0.040	1,00	0.456	11,6
85612	12	0.045	1,10	0.567	14,4
85618	18	0.045	1,10	0.662	16,8
85625	25	0.065	1,70	0.833	21,1
85634	34	0.065	1,70	0.924	23,5

14 AWG (2,50mm²), 266/38 (266/0,10mm), Insulation Thickness: 0.022" (0,56mm)

Alpha Part No.	No. of Cond.	Jacket Thickness Inches	Jacket Thickness mm	Nominal Diameter Inches	Nominal Diameter mm
85404	4	0.050	1,30	0.425	10,8
85407	7	0.070	1,80	0.571	14,5

12 AWG (4,00mm²), 413/38 (413/0,10mm), Insulation Thickness: 0.022" (0,56mm)

Alpha Part No.	No. of Cond.	Jacket Thickness Inches	Jacket Thickness mm	Nominal Diameter Inches	Nominal Diameter mm
85204	4	0.070	1,8	0.521	13,2
85207	7	0.100	2,5	0.699	17,8

10 AWG (6,0mm²), 658/38 (658/0,1mm), Insulation Thickness: 0.022" (0,56mm)

Alpha Part No.	No. of Cond.	Jacket Thickness Inches	Jacket Thickness mm	Nominal Diameter Inches	Nominal Diameter mm
85104	4	0.070	1,80	0.581	14,8
85107	7	0.100	2,50	0.789	20,0



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