

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 87203CY
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Issue: 6
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A. Construction

Diameters

- | | | |
|----------------|--|-------|
| 1) Component 1 | 3 X 1 COND | |
| a) Conductor | 20 (19/32) AWG BC | |
| b) Insulation | 0.016" Wall, Nom. Hytrel | 0.072 |
| (1) Print | ALPHA NUMERIC NUMBERS - 1-ONE ALTERNATING AND
INVERTED 2 INCH SPACING(CTR. TO CTR.) | |
| (2) Color Code | Alpha Wire Color Code KX | |

Cond	Color	Cond	Color
1	GREEN/YELLOW	2	BLACK#1
3	BLACK#2		

- | | | |
|---------------------|--|--------------------|
| 2) Cable Assembly | 3 Components Cabled | |
| a) Twists: | 3.0 Twists/foot (min) | |
| b) Core Wrap | Teflon(skived) Tape, 25% Overlap, Min. | |
| 3) Shield | TC SPIRAL Shield,90% Coverage, Min. | |
| 4) Jacket | 0.050" Wall, Nom.,Polyurethane (PU) | 0.281 (0.294 Max.) |
| a) Color(s) | BLACK | |
| b) Jacket Separator | Teflon(skived) Tape, 25% Overlap, Min. | |
| c) Print | ALPHA WIRE-* P/N 87203CY
XTRAGUARD FLEXIBLE TORSION CABLE XTREME
PERFORMANCE FOR XTREME ENVIRONMENTS - RU AWM 20234
--- LLXXXXXX CSA AWM IA/B IIA/B 80C 600VOLTS FT1
CE ROHS <SEQ FOOTAGE>
* = Factory Code | |

[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]

B. Industry Approvals

- | | | |
|-----------------------------------|--|-------------|
| 1) UL | | |
| a) Component 1 | AWM/STYLE10162 | 90°C / 600V |
| b) Overall | AWM/STYLE20234 | 80°C / 600V |
| | VW-1 | |
| 2) CSA International | AWM-I-A/B-II-A/B | 80°C / 600V |
| | FT1 | |
| 3) EU Directive 2002/95/EC(RoHS): | All materials used in the manufacture of this part are in compliance with EU Directive 2002/95/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. Consult Alpha Wire's web site for compliance Date of Manufacture. | |
| 4) California Proposition 65: | The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65. | |
| 5) CE: | LVD 73/23/EEC Amendment 93/68/EEC | |

C. Physical & Mechanical Properties

- | | |
|----------------------|---|
| 1) Temperature Range | -30 to 80°C(static), -10 to 80°C (dynamic) |
| 2) Bend Radius | 10X Cable Diameter(static), 15X Cable Diameter(dynamic) |
| 3) Pull Tension | 33 Lbs, Maximum |

D. Electrical Properties

- | | |
|-----------------------|---|
| | (For Engineering purposes only) |
| 1) Voltage Rating | 600 V _{RMS} |
| 2) Capacitance | 38 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Ground Capacitance | 68 pf/ft @1 kHz, Nominal |
| 4) Inductance | 0.19 µH/ft, Nominal |
| 5) Conductor DCR | 8.7 Ω/1000ft @20°C, Nominal |
| 6) OA Shield DCR | 4.2 Ω/1000ft @20°C, Nominal |

E. Other

- | | |
|------------------------|--|
| 1) Packaging | |
| a) Bulk(Made-to-order) | |

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