Control & multi-core signal cables

73000W Series (73805W) 600V UL AWM 2587

Moderate-Flex Control Cable



UL AWM Style 2587 / CSA AWM I/II A/B · 600 V · −40...+90 °C · Min. bend 8 × OD

UL AWM Style 2587 / CSA AWM I/II A/B | 600 V

Application

UL AWM Style 2587 / CSA AWM I/II A/B FT1 (600 V, -40 to +90 °C) unshielded 5G18 AWG (16×30) flexible bare copper oil-resistant moderate-flex control cable for machine tools.

Typical uses: Industrial automation & control cabinets, Inverter-fed motor drive systems, Process instrumentation & oil/gas skids, Machine tools & robotic cells, Data centers, stadiums & broadcast facilities

Construction





Cross-section, not to scale

1	5×18 AWG (16×30) Flexible Bare Copper	16×30 AWG (0.81 mm² · 16×0.25 mm) Flexible Bare Copper
2	Lubricated PVC Insulation (4 Black + 1 G/Y)	0.56 mm Lubricated PVC (4 White-Numbered + 1 Green/Yellow)
3	Low-Friction Non-Woven Tissue Separator	Flex-Facilitating Core Wrap & Ripcord
4	Slate Grey Oil-Resistant PVC Outer Jacket	UL AWM Style 2587 / CSA AWM I/II A/B FT1 Sheath (8.28 mm OD)

Technical data

Typical values

Nominal / reference voltage	600 V	**Conductor & core insulation**	16×30 AWG (0.81 mm² · 16×0.25 mm) Flexible Bare Copper · 0.56 mm Lubricated PVC (4 White-Numbered + 1 Green/Yellow)
Routine dielectric / continuity test	100% factory drum spark & continuity verified	**Operating temperature range**	−40…+90 °C
Short-circuit / peak thermal limit	+160 °C to +250 °C (5 s conductor thermal limit)	**Flame & fire performance**	UL AWM Style 2587 / CSA AWM I/II A/B
Minimum bending radius	8 × OD	**Screening / armour architecture**	Unshielded multi-core construction · mechanical protection via outer jacket
Outer sheath material & colour	UL AWM Style 2587 / CSA AWM I/II A/B FT1 Sheath (8.28 mm OD)	**Standards**	UL AWM Style 2587 / CSA C22.2 No. 210 AWM I/II A/B FT1 / UL Oil Res I & II / NFPA 79

Sizes

3 standard constructions

Tick the sizes you need and send this page to info@tebaoflex.com or WhatsApp +86 185 9591 3361.

Part designation	Configuration	Conductor & shield	Insulation / wall	Outer sheath	Outer diameter mm	Min. bend radius mm	Max. conductor resistance @ 20 °C Ω/km	Copper weight kg/km	Cable weight kg/km	Key electrical / optical rating
73000W Series (73805W) 600V UL AWM 2587 3 sizes										
☐ 73805W 5G18 AWG (4C + G/Y)	5G18 AWG (5 × 0.81 mm² · 16×30 AWG)	16×30 AWG Bare Cu + 0.56mm Lubricated PVC	0.56 mm Lubricated PVC (4 White-Numbered + 1 Green/Yellow)	Industrial PVC	8.3	66	21.40	38.9	104	600 V UL AWM 2587 (10 A · 9
☐ 73812W 12G18 AWG (11C + G/Y)	12G18 AWG (12 × 0.81 mm² · 16×30 AWG)	16×30 AWG Bare Cu + 0.56mm Lubricated PVC	0.56 mm Lubricated PVC (4 White-Numbered + 1 Green/Yellow)	Industrial PVC	12.6	101	21.40	93.4	228	600 V UL AWM 2587 (7 A · 90
☐ 73605W 5G16 AWG (4C + G/Y)	5G16 AWG (5 × 1.31 mm² · 26×30 AWG)	26×30 AWG Bare Cu + 0.56mm Lubricated PVC	0.56 mm Lubricated PVC (4 White-Numbered + 1 Green/Yellow)	Industrial PVC	9.7	77	13.50	62.9	145	600 V UL AWM 2587 (13 A · 9

– Dimensions and weights are nominal manufacturing targets subject to standard production tolerances.

Standards and approvals

- ✓ UL AWM Style 2587 / CSA AWM I/II A/B Compliant
- ✓ EN 10204 3.1 Factory Test Certificate
- ✓ CE, RoHS 2 (2011/65/EU) & REACH

Certifications

Management systems: ISO 9001, ISO 14001, ISO 45001

Request a quotation

Send the size, length and destination. An application engineer replies within 2 business hours.

WhatsApp / phone **+86 185 9591 3361**

Email **info@tebaoflex.com**

Web **tebaoflex.com/cables/73000w-series-73805w-600v-ul-awm-2587-unshielded-moderate-flex-control-cable**

Typical values for this cable type, based on Reference specification per UL AWM Style 2587 / CSA AWM I/II A/B (73000W Series (73805W) 600V UL AWM 2587). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.