Automation, drag-chain & robot cables

76000WS Series (76207WS) 300V UL AWM 2661

Continuous-Flex Data Cable

UL AWM Style 2661 / UL 444 CM · 300 V · −30…+105 °C · Min. bend 8 × OD

UL AWM Style 2661 / UL 444 CM | 300 V



Application

UL CM / AWM Style 2661 / CSA FT4 (300 V, -30 to +105 °C) 7×24 AWG (10×34) tinned copper foil and 90% spiral shielded continuous-flex encoder and sensor data cable.

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	7×24 AWG (10×34) Tinned Copper	10×34 AWG (0.20 mm² · 10×0.16 mm) Tinned Copper
2	Lubricated Semi-Rigid PVC Insulation	0.25 mm Color-Coded Thin-Wall High-Flex PVC
3	100% Outward Aluminum/Polyester Foil Shield	Full-Coverage Electrostatic Foil Tape Screen
4	90% Tinned Copper Spiral Serve Shield	Torsion-Compliant Helical Tinned Copper Spiral Shield
5	Matte Black 105 °C Oil-Resistant PVC Jacket	UL CM / AWM 2661 Continuous-Flex Sheath (6.43 mm OD)

Technical data

Typical values

Nominal / reference voltage	300 V	Conductor & core insulation	10×34 AWG (0.20 mm² · 10×0.16 mm) Tinned Copper · 0.25 mm Color-Coded Thin-Wall High-Flex PVC
Routine dielectric / continuity test	100% factory drum spark & continuity verified	Operating temperature range	−30…+105 °C
Short-circuit / peak thermal limit	+160 °C to +250 °C (5 s conductor thermal limit)	Flame & fire performance	UL AWM Style 2661 / UL 444 CM
Minimum bending radius	8 × OD	Screening / armour architecture	Full-Coverage Electrostatic Foil Tape Screen · Torsion-Compliant Helical Tinned Copper Spiral Shield
Outer sheath material & colour	UL CM / AWM 2661 Continuous-Flex Sheath (6.43 mm OD)	Standards	UL AWM Style 2661 / UL 444 CM / CSA AWM I/II A/B FT4 / UL Oil Res I & II

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
76000WS Series (76207WS) 300V UL AWM 2661 3 sizes										
☐ 76207WS 7C × 24 AWG (10×34) Foil + Spiral	7 × 24 AWG (0.20 mm² · 10×34 AWG)	10×34 AWG Tinned Cu + PVC + Foil + 90% Spiral	0.25 mm Color-Coded Thin-Wall High-Flex PVC	Industrial PVC	6.4	51	88.60	26.8	62	300 V UL CM / AWM 2661 (105 °C · 2.5 A
☐ 76204WS 4C × 24 AWG (10×34) Foil + Spiral	4 × 24 AWG (0.20 mm² · 10×34 AWG)	10×34 AWG Tinned Cu + PVC + Foil + 90% Spiral	0.25 mm Color-Coded Thin-Wall High-Flex PVC	Industrial PVC	5.4	43	88.60	18.2	43	300 V UL CM / AWM 2661 (105 °C · 3 A)
☐ 76212WS 12C × 24 AWG (10×34) Foil + Spiral	12 × 24 AWG (0.20 mm² · 10×34 AWG)	10×34 AWG Tinned Cu + PVC + Foil + 90% Spiral	0.25 mm Color-Coded Thin-Wall High-Flex PVC	Industrial PVC	7.9	63	88.60	41.5	94	300 V UL CM / AWM 2661 (105 °C · 2 A)

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

Standards and approvals

- ✓ UL AWM Style 2661 / UL 444 CM 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/76000ws-series-76207ws-300v-ul-awm-2661-continuous-flex-multi-conductor-data-cable**

Typical values for this cable type, based on Reference specification per UL AWM Style 2661 / UL 444 CM (76000WS Series (76207WS) 300V UL AWM 2661). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.