Servo, drag-chain & OCT hybrid cables

VW3M5 200V Compact Servo

VW3M5 200 V Compact Shielded Servo Motor Cable

Black flexible screened power & brake cable for compact 200 V servos

UL AWM Style 20234 | **U0/U 300 V · 2 kV AC** | **Halogen-free PUR**



Application

VW3M5 200 V Compact Servo delivers fine-stranded bare copper power and brake cores, low-capacitance insulation, ≥ 85% tinned copper braid, and a compact black oil-resistant PUR/PVC jacket for small-frame servo motors.

Typical uses: Automated assembly & handling lines, CNC machine tools & gantry axes, Packaging, robotics & intralogistics, Factory servo drive & motion bays

Construction





Cross-section, not to scale

1	**Conductor**	IEC 60228 Class 5 flexible bare annealed copper · IEC 60228 Class 5
2	**Core insulation**	Compact low-capacitance PP / TPE · UL AWM Style 20234
3	**Core assembly & separator**	Concentric cabled assembly with low-friction fleece or polyester binder tape · UL AWM Style 20234
4	**EMC metallic screen**	Overall ≥ 85% tinned copper braid shield · EMC ≥ 85% / 100% foil
5	**Outer sheath**	Black oil- & abrasion-resistant flexible PUR sheath · IEC 60332-1-2 Flame

Technical data

Typical values

Rated voltage U0/U	300 V	AC test voltage	2 kV AC / 5 min
Conductor class	IEC 60228 Class 5 bare Cu	EMC screen	Overall ≥ 85% tinned copper braid shield
Insulation resistance	≥ 1,000 MΩ·km at 20 °C	Temp. range (fixed)	-40 °C to +80 °C
Temp. range (flexing)	-20 °C to +80 °C	Short-circuit temp.	+160 °C (5 s)
Min. bending radius	7.5 × OD (flexing)	Flame retardance	IEC 60332-1-2 Flame
Oil & chemical perf.	EN 60811-404 Oil	Environmental / EMC	Compact Frame Routing
Outer sheath	Black oil- & abrasion-resistant flexible		

Sizes

6 standard constructions

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

Cores × mm²	Outer Ø ≈ mm	Max. R20 Ω/km	Copper index kg/km	Weight ≈ kg/km	Min. bend R 7.5×D mm
☐ 4G0.75	9.2	26.000	50	116	69
☐ 4G1	9.6	19.500	60	134	72
☐ 4G1.5	11.6	13.300	84	191	87
☐ 4G2.5	12.8	7.980	123	259	96
☐ 4G4	14.1	4.950	181	355	106
☐ 4G6	15.5	3.300	257	478	116

- Max. conductor DC resistance R20 at 20 °C per IEC 60228 (bare copper).
- Minimum bending radius calculated at 7.5 × nominal outer diameter (OD). Custom core counts and lengths available on request.

Standards and approvals

- ✓ UL AWM Style 20234
- ✓ IEC 60228 Class 6
- ✓ CSA AWM I/II A/B FT1
- ✓ 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/vw3m5-200v-compact-shielded-servo-motor-cable

Typical values for this cable type, based on UL AWM Style 20234 · IEC 60228 Class 6 · CSA AWM I/II A/B FT1. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.