Servo, drag-chain & OCT hybrid cables

SL 859 C 600V Pitch Servo

SL 859 C 600 V Wind & Motion Pitch Servo Cable

Grey cold-flex halogen-free PUR screened pitch-drive servo cable

UL AWM Style 21223 | **U0/U 600 V · 3 kV AC** | **Halogen-free PUR**



Application

SL 859 C 600 V Pitch Servo pairs fine-stranded tinned copper conductors, low-capacitance TPE insulation, ≥ 85% tinned copper braid, and a grey cold-resistant PUR sheath for wind-turbine pitch and rotary servo drives.

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 tinned annealed copper · IEC 60228 Class 5
2	**Core insulation**	Cold-flexible low-capacitance TPE/PP · UL AWM Style 21223
3	**Core assembly & separator**	Concentric cabled assembly with low-friction fleece or polyester binder tape · UL AWM Style 21223
4	**EMC metallic screen**	≥ 85% tinned copper braid shield over fleece wrap · EMC ≥ 85% / 100% foil
5	**Outer sheath**	Grey oil-, UV- & cold-resistant halogen-free PUR sheath · Cold Torsion -40 °C

Technical data

Typical values

Rated voltage U0/U	600 V	AC test voltage	3 kV AC / 5 min
Conductor class	IEC 60228 Class 5 tinned Cu	EMC screen	≥ 85% tinned copper braid shield over
Insulation resistance	≥ 1,000 MΩ·km at 20 °C	Temp. range (fixed)	-50 °C to +90 °C
Temp. range (flexing)	-40 °C to +80 °C	Short-circuit temp.	+160 °C (5 s)
Min. bending radius	7.5 × OD (flexing)	Flame retardance	Cold Torsion -40 °C
Oil & chemical perf.	EN 60811-404 Oil	Environmental / EMC	IEC 60754-1 Halogen-Free
Outer sheath	Grey oil-, UV- & cold-resistant		

Sizes

9 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
☐ 4G1.5	11.6	13.672	84	191	87
☐ 4G2.5	12.8	8.203	123	259	96
☐ 4G4	14.1	5.089	181	355	106
☐ 4G6	15.5	3.392	257	478	116
☐ 4G10	18.7	1.964	411	743	140
☐ 4G16	22.4	1.244	638	1,128	168
☐ 4G25	25.5	0.802	974	1,650	191
☐ 4G35	29.4	0.570	1,348	2,261	220
☐ 4G50	33.1	0.397	1,903	3,115	248

- Max. conductor DC resistance R20 at 20 °C per IEC 60228 (tinned 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 21223
- CSA AWM I/II A/B FT1
- DIN VDE 0250
- 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/sl-859-c-600v-pitch-control-servo-cable

Typical values for this cable type, based on UL AWM Style 21223 · CSA AWM I/II A/B FT1 · DIN VDE 0250. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.