Individually foil+copper screened flat festoon cable

M(StD)HOEU

0.6/1 kV Screened Flat Rubber Festoon Cable

DIN VDE 0250-809 · 0.6/1 kV · −40…+80 °C dual-screened (StD) flat polychloroprene cable

0.6/1 kV Flat | StD Foil+Cu Screen | VDE 0250-809



Application

M(StD)HOEU 0.6/1 kV heavy-duty flat rubber festoon cable combining parallel Class 6 extra-flexible copper conductors, 3GI3 EPR insulation, individual ALU/PETP foil plus spun tinned copper wire screens (StD) and a black 5GM3 PCP jacket.

Typical uses: Port Ship-to-Shore (STS) & RMG Crane Festoons, Steelworks Ladle Cranes & Rolling Mill Hoists, Automated Electroplating, Galvanizing & Process Lines, Indoor & Outdoor Overhead Gantry Travel Systems

Construction





Cross-section, not to scale

1	Extra-Flexible Conductors (4G4 mm²)	DIN VDE 0250-809 / IEC 60228
2	Rubber Core Insulation (3GI3)	DIN VDE 0250-809 / IEC 60228
3	Dual Individual Core Screen (StD)	DIN VDE 0250-809 / IEC 60228
4	Flat Elastomeric Outer Sheath	DIN VDE 0250-809 / IEC 60228

Technical data

Typical values

Rated voltage / transmission duty	0.6/1 kV (DIN VDE 0250-809 / IEC 60228)	**Core / conductor construction**	Extra-Flexible Conductors (4G4 mm²) — Parallel Class 6 extra-finely stranded plain copper conductors engineered for high-cycle crane festoon trolleys
Primary dielectric / insulation	Rubber Core Insulation (3GI3) — Extruded 3GI3 ethylene propylene rubber (EPR) core insulation color-coded per DIN VDE 0293-308	**Continuous operating temperature**	−40…+80 °C (rated operating envelope)
Storage & transport temperature	−40…+80 °C on export drum or reel	**Outer protection / sheath**	Flat Elastomeric Outer Sheath — Heavy-duty black 5GM3 polychloroprene (PCP) flat outer jacket resistant to oil, UV, ozone, and continuous bending
Minimum bending radius	5–8 × H	**Structural layer count**	4 concentric functional layers
Environmental & chemical resistance	Industrial moisture, oils and mechanical wear per DIN VDE 0250-809 / IEC 60228	**RoHS & REACH compliance**	RoHS 2 (2011/65/EU + 2015/863) & REACH SVHC compliant
Standards	DIN VDE 0250-809 / IEC 60228		

Sizes

5 standard constructions

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

Order designation	Configuration	Core / stranding	Outer Ø ≈ mm	Weight ≈ kg/km	Tensile load kN ≈	Min. bend R mm
M(StD)HOEU Construction Schedule (−40…+80 °C) 5 sizes						
☐ M(StD)HOEU-J 4G2.5 Flat	4G2.5 mm² (7.8 × 21.5 mm)	Class 6 Cu + per-core StD screen	7.8	310	1.2	45
☐ M(StD)HOEU-J 4G4 Flat	4G4 mm² (9.0 × 24.8 mm)	Class 6 Cu + per-core StD screen	9.0	430	1.9	55
☐ M(StD)HOEU-J 4G6 Flat	4G6 mm² (10.2 × 28.4 mm)	Class 6 Cu + per-core StD screen	10.2	580	2.8	65
☐ M(StD)HOEU-J 4G10 Flat	4G10 mm² (12.0 × 34.0 mm)	Class 6 Cu + per-core StD screen	12.0	860	4.5	75
☐ M(StD)HOEU-J 8G1.5 Flat	8G1.5 mm² (7.4 × 36.5 mm)	Class 6 Cu + per-core StD screen	7.4	465	1.5	45

– Custom core counts, cross-sections, sheath colours and factory-tested cut lengths available per DIN VDE 0250-809 / IEC 60228.

Electrical, optical & thermal parameters

5 sizes

Configuration	Max. DC R_{20} / Atten. Ω/km or dB/km	Rating / Capacity	Operating temp.
4G2.5 mm² (StD Screened)	7.98	0.6/1 kV / 29 A	−40…+80 °C
4G4 mm² (StD Screened)	4.95	0.6/1 kV / 39 A	−40…+80 °C
4G6 mm² (StD Screened)	3.30	0.6/1 kV / 50 A	−40…+80 °C
4G10 mm² (StD Screened)	1.91	0.6/1 kV / 69 A	−40…+80 °C
8G1.5 mm² (StD Screened)	13.30	0.6/1 kV / 16 A	−40…+80 °C

– Every production length undergoes routine conductor DC resistance, high-voltage dielectric and dimensional verification.

Standards and approvals

- VDE 0250-809 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/m-std-hoeu-0-6-1kv-individually-screened-flat-rubber-festoon-cable

Typical values for this cable type, based on DIN VDE 0250-809 / IEC 60228. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.