Power & distribution cables

S1108 (EME-SP-14-025) 750V DC LUL Traction

Feeder Cable



LUL S1108 / EME-SP-14-025 / LUL 1-085 · 750 V DC · -25°C to +85°C · Min. bend 12 × OD

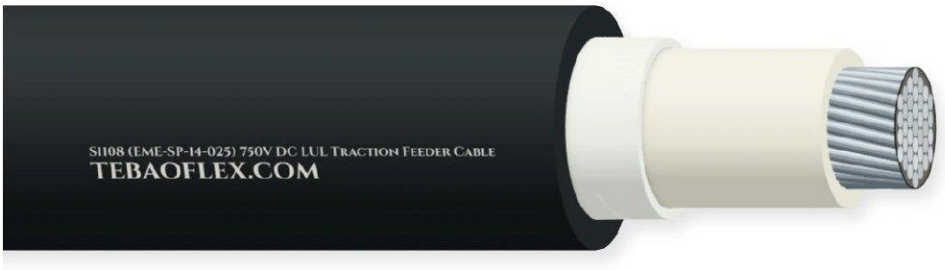
LUL S1108 / EME-SP-14-025 / LUL 1-085 | 750 V DC

Application

S1108 (EME-SP-14-025) 750V DC LUL Traction Feeder Cable manufactured to LUL S1108 / EME-SP-14-025 / LUL 1-085, rated 750 V DC and -25°C to +85°C with a 12 × OD minimum bending radius for infrastructure & construction installations.

Typical uses: Power distribution & utility networks, Railways, tunnels & public infrastructure, Process instrumentation & oil/gas skids, Industrial automation & control cabinets, Renewable energy, marine & heavy industry

Construction





Cross-section, not to scale

1	**Conductor**	1×500 mm² Class 2 Stranded Tinned Cu
2	**Insulation & Core Identification**	LUL S1108 heavy-wall EPR (Ethylene Propylene Rubber) traction insulation (500 mm² TC)
3	**Screen / Bedding / Armour Layer**	Polyester separator tape
4	**Outer Protective Sheath**	Black LUL 1-085 LSZH outer sheath with yellow longitudinal stripe (OD 56.0 mm)

Technical data

Typical values

Nominal / reference voltage	750 V DC	Conductor & core insulation	1×500 mm² Class 2 Stranded Tinned Cu · LUL S1108 heavy-wall EPR (Ethylene Propylene Rubber) traction insulation (500 mm² TC)
Routine dielectric / continuity test	100% factory drum spark & continuity verified	Operating temperature range	-25°C to +85°C
Short-circuit / peak thermal limit	+160 °C to +250 °C (5 s conductor thermal limit)	Flame & fire performance	LUL S1108 / EME-SP-14-025 / LUL 1-085
Minimum bending radius	12 × OD	Screening / armour architecture	Polyester separator tape
Outer sheath material & colour	Black LUL 1-085 LSZH outer sheath with yellow longitudinal stripe (OD 56.0 mm)	Standards	LUL S1108 / EME-SP-14-025 / LUL 1-085

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
S1108 (EME-SP-14-025) 750V DC LUL Traction 3 sizes										
☐ S1108 (EME-SP-14-025) 750V DC LUL Traction (1×500 mm²)	1×500 mm²	Stranded Tinned Copper	LUL S1108 heavy-wall EPR traction insulation	LSZH Jacket	56.0	672	0.04	3,832.4	7,370	670 A
☐ S1108 (EME-SP-14-025) 750V DC LUL Traction (1×400 mm²)	1×400 mm²	Stranded Tinned Copper	LUL S1108 heavy-wall EPR traction insulation	LSZH Jacket	66.1	793	0.05	5,335.7	10,261	580 A
☐ S1108 (EME-SP-14-025) 750V DC LUL Traction (1×630 mm²)	1×630 mm²	Stranded Tinned Copper	LUL S1108 heavy-wall EPR traction insulation	LSZH Jacket	77.3	928	0.03	7,298.2	14,035	760 A

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

Standards and approvals

- ✓ LUL S1108 / EME-SP-14-025 / LUL 1-085 Compliant
- ✓ EN 10204 3.1 Factory Test Certificate
- ✓ CE, UKCA, 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/s1108-eme-sp-14-025-750v-dc-lul-traction-feeder-cable

Typical values for this cable type, based on Reference specification per LUL S1108 / EME-SP-14-025 / LUL 1-085 (S1108 (EME-SP-14-025) 750V DC LUL Traction). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.