Power & distribution cables

T0502 / T0504 (SE 902) 3kV LUL LFH Rail

Connection Cable



LUL T0502 / T0504 (SE 902) / LUL 1-085 · 3 kV · -25°C to +85°C · Min. bend 15 × OD

LUL T0502 / T0504 (SE 902) / LUL 1-085 | 3 kV

Application

T0502 / T0504 (SE 902) 3kV LUL LFH Rail Connection Cable manufactured to LUL T0502 / T0504 (SE 902) / LUL 1-085, rated 3 kV and -25°C to +85°C with a 15 × OD minimum bending radius for renewable energy 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	4C×4.0 mm² (7/0.85 mm) Class 2 Stranded Tinned Cu
2	Insulation & Core Identification	LUL T0502 3kV Limited Fire Hazard (LFH) white numbered core insulation
3	Screen / Bedding / Armour Layer	LFH low-smoke halogen-free inner bedding
4	Outer Protective Sheath	Black LUL 1-085 LFH outer sheath with yellow longitudinal stripe (OD 21.6 mm)

Technical data

Typical values

Nominal / reference voltage	3 kV	Conductor & core insulation	4C×4.0 mm² (7/0.85 mm) Class 2 Stranded Tinned Cu · LUL T0502 3kV Limited Fire Hazard (LFH) white numbered core insulation
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 T0502 / T0504 (SE 902) / LUL 1-085
Minimum bending radius	15 × OD	Screening / armour architecture	LFH low-smoke halogen-free inner bedding
Outer sheath material & colour	Black LUL 1-085 LFH outer sheath with yellow longitudinal stripe (OD 21.6 mm)	Standards	LUL T0502 / T0504 (SE 902) / 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
T0502 / T0504 (SE 902) 3kV LUL LFH Rail 3 sizes										
☐ T0502 / T0504 (SE 902) 3kV LUL LFH Rail (4C×4 mm²)	4C×4 mm²	Stranded Tinned Copper	LUL T0502 3kV Limited Fire Hazard white numbered core	Industrial PVC	21.6	324	4.53	569.9	1,096	34 A
☐ T0502 / T0504 (SE 902) 3kV LUL LFH Rail (4C×6 mm²)	4C×6 mm²	Stranded Tinned Copper	LUL T0502 3kV Limited Fire Hazard white numbered core	Industrial PVC	25.5	382	3.02	794.0	1,527	43 A
☐ T0502 / T0504 (SE 902) 3kV LUL LFH Rail (4C×10 mm²)	4C×10 mm²	Stranded Tinned Copper	LUL T0502 3kV Limited Fire Hazard white numbered core	Industrial PVC	29.8	447	1.81	1,085.8	2,088	60 A

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

Standards and approvals

- ✓ LUL T0502 / T0504 (SE 902) / 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/t0502-t0504-se-902-3kv-lul-lfh-rail-connection-cable**

Typical values for this cable type, based on Reference specification per LUL T0502 / T0504 (SE 902) / LUL 1-085 (T0502 / T0504 (SE 902) 3kV LUL LFH Rail). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.