Power & distribution cables

A-2Y2Y(L)H 500V LSZH Twin Datalink Railway

Cable



A-2Y2Y(L)H / BR 1932 LSZH Variant · 500 V · -25°C to +85°C · Min. bend 12 × OD

A-2Y2Y(L)H / BR 1932 LSZH Variant | 500 V

Application

A-2Y2Y(L)H 500V LSZH Twin Datalink Railway Cable manufactured to A-2Y2Y(L)H / BR 1932 LSZH Variant, rated 500 V 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**	1P×1.27 mm Class 1 Solid Cu
2	**Insulation & Core Identification**	Solid PE datalink core insulation (Ø1.27 mm Solid Copper, Red & Blue)
3	**Screen / Bedding / Armour Layer**	Extruded Polyethylene (PE) inner sheath (0.6 mm) + Aluminium/Polyester (Al/PET) moisture barrier & screen tape
4	**Outer Protective Sheath**	Blue Low Smoke Zero Halogen (LSZH) outer sheath (2.5 mm, OD 12.5 mm)

Technical data

Typical values

Nominal / reference voltage	500 V	Conductor & core insulation	1P×1.27 mm Class 1 Solid Cu · Solid PE datalink core insulation (Ø1.27 mm Solid Copper, Red & Blue)
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	A-2Y2Y(L)H / BR 1932 LSZH Variant
Minimum bending radius	12 × OD	Screening / armour architecture	Extruded Polyethylene (PE) inner sheath (0.6 mm) + Aluminium/Polyester (Al/PET) moisture barrier & screen tape
Outer sheath material & colour	Blue Low Smoke Zero Halogen (LSZH) outer sheath (2.5 mm, OD 12.5 mm)	Standards	A-2Y2Y(L)H / BR 1932 LSZH Variant

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
A-2Y2Y(L)H 500V LSZH Twin Datalink Railway 3 sizes										
☐ A-2Y2Y(L)H 500V LSZH Twin Datalink Railway (1P×1.27 mm)	1P×1.27 mm	Class 1 Solid Plain Copper	Solid PE datalink core insulation	LSZH Jacket	2.6	31	14.29	11.4	22	4 A
☐ A-2Y2Y(L)H 500V LSZH Twin Datalink Railway (2P×1.27 mm)	2P×1.27 mm	Class 1 Solid Plain Copper	Solid PE datalink core insulation	LSZH Jacket	3.1	37	14.29	15.6	30	4 A
☐ A-2Y2Y(L)H 500V LSZH Twin Datalink Railway (3P×1.27 mm)	3P×1.27 mm	Class 1 Solid Plain Copper	Solid PE datalink core insulation	LSZH Jacket	3.6	43	14.29	21.8	42	4 A

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

Standards and approvals

- ✓ A-2Y2Y(L)H / BR 1932 LSZH Variant 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/a-2y2y-l-h-500v-lszh-twin-datalink-railway-cable

Typical values for this cable type, based on Reference specification per A-2Y2Y(L)H / BR 1932 LSZH Variant (A-2Y2Y(L)H 500V LSZH Twin Datalink Railway). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.