Power & distribution cables

E-AYY / EAYY 0.6/1kV VDE 0276-603 Aluminium

PVC/PVC Cable



DIN VDE 0276-603 / HD 603 · 0.6/1 kV · -15°C to +70°C · Min. bend 12 × OD

DIN VDE 0276-603 / HD 603 | 0.6/1 kV

Application

E-AYY / EAYY 0.6/1kV VDE 0276-603 Aluminium PVC/PVC Cable manufactured to DIN VDE 0276-603 / HD 603, rated 0.6/1 kV and -15°C to +70°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**	3×50 mm² + 1×25 mm² Reduced Neutral/Earth Class 2 Al
2	**Insulation & Core Identification**	VDE 0276-603 DIV4 PVC core insulation (50 mm² Class 2 Aluminium)
3	**Screen / Bedding / Armour Layer**	Unvulcanised rubber/PVC filling compound
4	**Outer Protective Sheath**	Black DMV5 PVC outer protective sheath (OD 29.5 mm)

Technical data

Typical values

Nominal / reference voltage	0.6/1 kV	Conductor & core insulation	3×50 mm² + 1×25 mm² Reduced Neutral/Earth Class 2 Al · VDE 0276-603 DIV4 PVC core insulation (50 mm² Class 2 Aluminium)
Routine dielectric / continuity test	100% factory drum spark & continuity verified	Operating temperature range	-15°C to +70°C
Short-circuit / peak thermal limit	+160 °C to +250 °C (5 s conductor thermal limit)	Flame & fire performance	DIN VDE 0276-603 / HD 603
Minimum bending radius	12 × OD	Screening / armour architecture	Unvulcanised rubber/PVC filling compound
Outer sheath material & colour	Black DMV5 PVC outer protective sheath (OD 29.5 mm)	Standards	DIN VDE 0276-603 / HD 603

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	Conductor weight kg/km	Cable weight kg/km	Key electrical / optical rating
E-AYY / EAYY 0.6/1kV VDE 0276-603 Aluminium 3 sizes										
☐ E-AYY / EAYY 0.6/1kV VDE 0276-603 Aluminium (3×50 mm²)	3×50 mm²	Class 2 Compacted Stranded Aluminium	VDE 0276-603 DIV4 PVC core insulation	Industrial PVC	29.5	354	0.56	545.7	1,436	122 A
☐ E-AYY / EAYY 0.6/1kV VDE 0276-603 Aluminium (3×70 mm²)	3×70 mm²	Class 2 Compacted Stranded Aluminium	VDE 0276-603 DIV4 PVC core insulation	Industrial PVC	34.8	418	0.40	759.6	1,999	155 A
☐ E-AYY / EAYY 0.6/1kV VDE 0276-603 Aluminium (3×95 mm²)	3×95 mm²	Class 2 Compacted Stranded Aluminium	VDE 0276-603 DIV4 PVC core insulation	Industrial PVC	40.7	488	0.30	1,039.3	2,735	188 A

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

Standards and approvals

- ✓ DIN VDE 0276-603 / HD 603 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/e-ayy-eayy-0-6-1kv-vde-0276-603-aluminium-pvc-pvc-cable**

Typical values for this cable type, based on Reference specification per DIN VDE 0276-603 / HD 603 (E-AYY / EAYY 0.6/1kV VDE 0276-603 Aluminium). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.