Flexible cords & appliance cables

V75 / V90 HD/LD Flexible Cord 250/440V–0.6/1kV

AS/NZS 3191

AS/NZS 3191 / AS/NZS 1125 · 250/250–0.6/1 kV · -20°C to +75°C · Min. bend 6 × OD



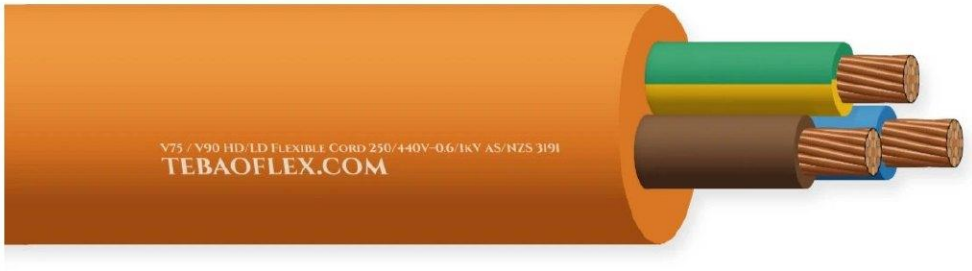
AS/NZS 3191 / AS/NZS 1125 | 250/250–0.6/1 kV

Application

V75 / V90 HD/LD Flexible Cord 250/440V–0.6/1kV AS/NZS 3191 manufactured to AS/NZS 3191 / AS/NZS 1125, rated 250/250 V / 250/440 V / 0.6/1 kV and -20°C to +75°C with a 6 × OD minimum bending radius for industrial automation & manufacturing 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**	3G4.0 mm² (56/0.30 mm) Flexible Cu
2	**Insulation & Core Identification**	AS/NZS 3191 V-90 PVC core insulation (4.0 mm² Flexible Copper)
3	**Screen / Bedding / Armour Layer**	3-core flexible circular lay-up (Brown, Light Blue, Green/Yellow) for heavy-duty cord flexing
4	**Outer Protective Sheath**	Orange heavy-duty 5V-90 PVC flexible cord outer sheath (OD 13.5 mm)

Technical data

Typical values

Nominal / reference voltage	250/250 V / 250/440 V / 0.6/1 kV	Conductor & core insulation	3G4.0 mm² (56/0.30 mm) Flexible Cu · AS/NZS 3191 V-90 PVC core insulation (4.0 mm² Flexible Copper)
Routine dielectric / continuity test	100% factory drum spark & continuity verified	Operating temperature range	-20°C to +75°C
Short-circuit / peak thermal limit	+160 °C to +250 °C (5 s conductor thermal limit)	Flame & fire performance	AS/NZS 3191 / AS/NZS 1125
Minimum bending radius	6 × OD	Screening / armour architecture	3-core flexible circular lay-up (Brown, Light Blue, Green/Yellow) for heavy-duty cord flexing
Outer sheath material & colour	Orange heavy-duty 5V-90 PVC flexible cord outer sheath (OD 13.5 mm)	Standards	AS/NZS 3191 / AS/NZS 1125

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
V75 / V90 HD/LD Flexible Cord 250/440V–0.6/1kV 3 sizes										
☐ V75 / V90 HD/LD Flexible Cord 250/440V–0.6/1kV (3G4 mm²)	3G4 mm²	Class 5 Flexible Plain Copper	AS/NZS 3191 V-90 PVC core insulation	Industrial PVC	13.5	81	4.53	222.6	428	34 A
☐ V75 / V90 HD/LD Flexible Cord 250/440V–0.6/1kV (3G6 mm²)	3G6 mm²	Class 5 Flexible Plain Copper	AS/NZS 3191 V-90 PVC core insulation	Industrial PVC	15.9	95	3.02	309.9	596	43 A
☐ V75 / V90 HD/LD Flexible Cord 250/440V–0.6/1kV (3G10 mm²)	3G10 mm²	Class 5 Flexible Plain Copper	AS/NZS 3191 V-90 PVC core insulation	Industrial PVC	18.6	112	1.81	424.3	816	60 A

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

Standards and approvals

- ✓ AS/NZS 3191 / AS/NZS 1125 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/v75-v90-hd-ld-flexible-cord-250-440v-0-6-1kv-as-nzs-3191

Typical values for this cable type, based on Reference specification per AS/NZS 3191 / AS/NZS 1125 (V75 / V90 HD/LD Flexible Cord 250/440V–0.6/1kV). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.