Flexible cords & appliance cables

BS 6231 Type CK / UL 1015 / CSA TEW (H07V2-K)

Tri-Rated Panel Wire



BS 6231 Type CK / UL 1015 / CSA TEW · 600 V / 1000 V · -30°C to +105°C · Min. bend 6 × OD

BS 6231 Type CK / UL 1015 / CSA TEW | 600 V / 1000 V

Application

BS 6231 Type CK / UL 1015 / CSA TEW (H07V2-K) Tri-Rated Panel Wire manufactured to BS 6231 Type CK / UL 1015 / CSA TEW, rated 600 V / 1000 V and -30°C to +105°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**	1×6.0 mm² (84/0.30 mm) Class 5 Flexible Plain Cu
2	**Insulation & Core Identification**	BS 6231 Type CK / UL 1015 +105°C heat-resistant PVC primary insulation
3	**Screen / Bedding / Armour Layer**	Homogeneous +105°C flame-retardant UL VW-1 / BS 6231 Type CK switchgear dielectric wall
4	**Outer Protective Sheath**	Red high-gloss +105°C Tri-Rated switchgear PVC outer skin (OD 5.3 mm)

Technical data

Typical values

Nominal / reference voltage	600 V (UL/CSA) / 1000 V (BS 6231 Type CK)	Conductor & core insulation	1×6.0 mm² (84/0.30 mm) Class 5 Flexible Plain Cu · BS 6231 Type CK / UL 1015 +105°C heat-resistant PVC primary insulation
Routine dielectric / continuity test	100% factory drum spark & continuity verified	Operating temperature range	-30°C to +105°C
Short-circuit / peak thermal limit	+160 °C to +250 °C (5 s conductor thermal limit)	Flame & fire performance	BS 6231 Type CK / UL 1015 / CSA TEW
Minimum bending radius	6 × OD	Screening / armour architecture	Homogeneous +105°C flame-retardant UL VW-1 / BS 6231 Type CK switchgear dielectric wall
Outer sheath material & colour	Red high-gloss +105°C Tri-Rated switchgear PVC outer skin (OD 5.3 mm)	Standards	BS 6231 Type CK / UL 1015 / CSA TEW

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
BS 6231 Type CK / UL 1015 / CSA TEW (H07V2-K) 3 sizes										
☐ BS 6231 Type CK / UL 1015 / CSA TEW (H07V2-K) (1×6 mm²)	1×6 mm²	Class 5 Flexible Plain Copper	BS 6231 Type CK / UL 1015 +105°C heat-resistant PVC	Industrial PVC	5.3	32	3.02	34.3	66	43 A
☐ BS 6231 Type CK / UL 1015 / CSA TEW (H07V2-K) (1×10 mm²)	1×10 mm²	Class 5 Flexible Plain Copper	BS 6231 Type CK / UL 1015 +105°C heat-resistant PVC	Industrial PVC	6.3	38	1.81	47.8	92	60 A
☐ BS 6231 Type CK / UL 1015 / CSA TEW (H07V2-K) (1×16 mm²)	1×16 mm²	Class 5 Flexible Plain Copper	BS 6231 Type CK / UL 1015 +105°C heat-resistant PVC	Industrial PVC	7.3	44	1.13	65.5	126	80 A

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

Standards and approvals

- ✓ BS 6231 Type CK / UL 1015 / CSA TEW 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/bs-6231-type-ck-ul-1015-csa-tew-h07v2-k-tri-rated-switchgear-wire

Typical values for this cable type, based on Reference specification per BS 6231 Type CK / UL 1015 / CSA TEW (BS 6231 Type CK / UL 1015 / CSA TEW (H07V2-K)). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.