Power & distribution cables

2XS(FL)2Y 26/45kV–76/132kV HD 632

HD 632 / IEC 60840 · 26/45 (52) kV – 76/132 (145) kV · -25°C to +90°C · Min. bend 15 × OD

HD 632 / IEC 60840 | 26/45–76/132 kV



Application

2XS(FL)2Y 26/45kV–76/132kV HD 632 manufactured to HD 632 / IEC 60840, rated 26/45 (52) kV – 76/132 (145) kV and -25°C to +90°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**	1×240 mm² RM Class 2 Compacted Cu
2	**Insulation & Core Identification**	HV super-clean XLPE dielectric (240 mm² RM Copper, 26/45 kV)
3	**Screen / Bedding / Armour Layer**	Semi-conducting water-swellable tape (F) + Helical copper wire screen + equalising copper tape + Copolymer-coated aluminium foil radial moisture barrier (L)
4	**Outer Protective Sheath**	Black high-density Polyethylene (HDPE ST7) outer sheath (OD 54.0 mm)

Technical data

Typical values

Nominal / reference voltage	26/45 (52) kV – 76/132 (145) kV	**Conductor & core insulation**	1×240 mm² RM Class 2 Compacted Cu · HV super-clean XLPE dielectric (240 mm² RM Copper, 26/45 kV)
Routine dielectric / continuity test	100% factory drum spark & continuity verified	**Operating temperature range**	-25°C to +90°C
Short-circuit / peak thermal limit	+160 °C to +250 °C (5 s conductor thermal limit)	**Flame & fire performance**	HD 632 / IEC 60840
Minimum bending radius	15 × OD	**Screening / armour architecture**	Semi-conducting water-swellable tape (F) + Helical copper wire screen + equalising copper tape + Copolymer-coated aluminium foil radial moisture barrier (L)
Outer sheath material & colour	Black high-density Polyethylene (HDPE ST7) outer sheath (OD 54.0 mm)	**Standards**	HD 632 / IEC 60840

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
2XS(FL)2Y 26/45kV–76/132kV HD 632 3 sizes										
☐ 2XS(FL)2Y 26/45kV–76/132kV HD 632 (1×240 mm²)	1×240 mm²	Class 2 Stranded Plain Copper	HV super-clean XLPE dielectric	Outdoor PE	54.0	810	0.08	3,563.6	6,853	436 A
☐ 2XS(FL)2Y 26/45kV–76/132kV HD 632 (1×300 mm²)	1×300 mm²	Class 2 Stranded Plain Copper	HV super-clean XLPE dielectric	Outdoor PE	63.7	956	0.06	4,961.8	9,542	500 A
☐ 2XS(FL)2Y 26/45kV–76/132kV HD 632 (1×400 mm²)	1×400 mm²	Class 2 Stranded Plain Copper	HV super-clean XLPE dielectric	Outdoor PE	74.5	1,118	0.05	6,786.0	13,050	580 A

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

Standards and approvals

- ✓ HD 632 / IEC 60840 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/2xs-fl-2y-26-45kv-76-132kv-hd-632

Typical values for this cable type, based on Reference specification per HD 632 / IEC 60840 (2XS(FL)2Y 26/45kV–76/132kV HD 632). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.