Power & distribution cables

XHIOE(cbe) 6/10kV–18/30kV DMA-C33-250 Copper MV

DMA-C33-250 / HD 620-10N · 6/10–18/30 kV · -25°C to +90°C · Min. bend 15 × OD



DMA-C33-250 / HD 620-10N | 6/10–18/30 kV

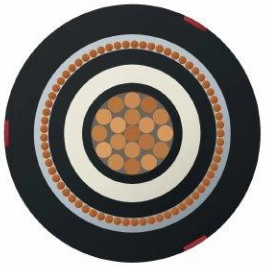
Application

XHIOE(cbe) 6/10kV–18/30kV DMA-C33-250 Copper MV manufactured to DMA-C33-250 / HD 620-10N, rated 6/10 kV / 8.7/15 kV / 12/20 kV / 18/30 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	1×150/16 mm² Waterblocked Cu
2	Insulation & Core Identification	DMA-C33-250 XHIOE(cbe) XLPE dielectric (150 mm² Watertight Copper)
3	Screen / Bedding / Armour Layer	Semi-conductive longitudinal water-swellable tape + Helical copper wire screen (16 mm²) + copper tape + Aluminium/PE laminate radial water-blocking barrier (cbe)
4	Outer Protective Sheath	Black Polyethylene (PE ST7) outer sheath with red stripes (OD 31.8 mm)

Technical data

Typical values

Nominal / reference voltage	6/10 kV / 8.7/15 kV / 12/20 kV / 18/30 kV	Conductor & core insulation	1×150/16 mm² Waterblocked Cu · DMA-C33-250 XHIOE(cbe) XLPE dielectric (150 mm² Watertight Copper)
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	DMA-C33-250 / HD 620-10N
Minimum bending radius	15 × OD	Screening / armour architecture	Semi-conductive longitudinal water-swellable tape + Helical copper wire screen (16 mm²) + copper tape + Aluminium/PE laminate radial water-blocking barrier (cbe)
Outer sheath material & colour	Black Polyethylene (PE ST7) outer sheath with red stripes (OD 31.8 mm)	Standards	DMA-C33-250 / HD 620-10N

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
XHIOE(cbe) 6/10kV–18/30kV DMA-C33-250 Copper MV 3 sizes										
☐ XHIOE(cbe) 6/10kV–18/30kV DMA-C33-250 Copper MV (1×150/16 mm²)	1×150/16 mm²	Class 2 Stranded Plain Copper	DMA-C33-250 XHIOE XLPE dielectric	Outdoor PE	31.8	477	0.12	1,235.5	2,376	324 A
☐ XHIOE(cbe) 6/10kV–18/30kV DMA-C33-250 Copper MV (1×185/16 mm²)	1×185/16 mm²	Class 2 Stranded Plain Copper	DMA-C33-250 XHIOE XLPE dielectric	Outdoor PE	37.5	562	0.10	1,720.7	3,309	371 A
☐ XHIOE(cbe) 6/10kV–18/30kV DMA-C33-250 Copper MV (1×240/16 mm²)	1×240/16 mm²	Class 2 Stranded Plain Copper	DMA-C33-250 XHIOE XLPE dielectric	Outdoor PE	43.9	658	0.08	2,353.5	4,526	436 A

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

Standards and approvals

- ✓ DMA-C33-250 / HD 620-10N 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/xhioe-cbe-6-10kv-18-30kv-dma-c33-250-copper-mv**

Typical values for this cable type, based on Reference specification per DMA-C33-250 / HD 620-10N (XHIOE(cbe) 6/10kV–18/30kV DMA-C33-250 Copper MV). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.