Power & distribution cables

XHIOE / XHIOE(be) 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

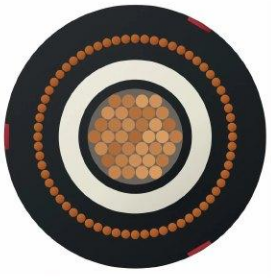
Application

XHIOE / XHIOE(be) 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**	1×240/16 mm² Class 2 Stranded Cu
2	**Insulation & Core Identification**	DMA-C33-250 XHIOE(be) XLPE dielectric (240 mm² Stranded Copper)
3	**Screen / Bedding / Armour Layer**	Semi-conductive longitudinal water-blocking tape (be) + Helical copper wire screen (16 mm²) + equalising copper tape
4	**Outer Protective Sheath**	Black Polyethylene (PE Type ST7) outer sheath with red stripes (OD 34.5 mm)

Technical data

Typical values

Nominal / reference voltage	6/10 kV / 8.7/15 kV / 12/20 kV / 18/30 kV	Conductor & core insulation	1×240/16 mm² Class 2 Stranded Cu · DMA-C33-250 XHIOE(be) XLPE dielectric (240 mm² Stranded 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-blocking tape (be) + Helical copper wire screen (16 mm²) + equalising copper tape
Outer sheath material & colour	Black Polyethylene (PE Type ST7) outer sheath with red stripes (OD 34.5 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 / XHIOE(be) 6/10kV–18/30kV DMA-C33-250 3 sizes										
☐ XHIOE / XHIOE(be) 6/10kV–18/30kV DMA-C33-250 (1×240/16 mm²)	1×240/16 mm²	Class 2 Stranded Plain Copper	DMA-C33-250 XHIOE XLPE dielectric	Outdoor PE	34.5	518	0.08	1,454.4	2,797	436 A
☐ XHIOE / XHIOE(be) 6/10kV–18/30kV DMA-C33-250 (1×300/16 mm²)	1×300/16 mm²	Class 2 Stranded Plain Copper	DMA-C33-250 XHIOE XLPE dielectric	Outdoor PE	40.7	610	0.06	2,025.4	3,895	500 A
☐ XHIOE / XHIOE(be) 6/10kV–18/30kV DMA-C33-250 (1×400/16 mm²)	1×400/16 mm²	Class 2 Stranded Plain Copper	DMA-C33-250 XHIOE XLPE dielectric	Outdoor PE	47.6	714	0.05	2,770.0	5,327	580 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-xhioe-be-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 / XHIOE(be) 6/10kV–18/30kV DMA-C33-250). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.