



Caledonian

Railway Cables

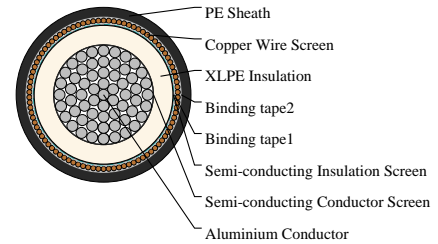
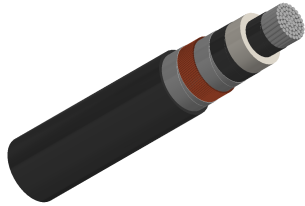
www.caledonian-cables.com

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12/20(24)KV Power Cables to CENELEC HD620 & C 33-226

XKDT Single Core 12/20KV Aluminium Conductor

RF33226-XKDT-12/20KV-1G500SAL



APPLICATIONS

The cables are power cables for power networks, underground, outdoors and in cable ducting, in particular for installation where fire, smoke emission and toxic fumes create a potential threat.

STANDARDS

CENELEC HD 620

C 33-226

CABLE CONSTRUCTION

Conductor: Class 2 stranded aluminium conductor to BS EN 60228:2005(previously BS6360)

Conductor Screen: Semi-conducting material

Insulation: XLPE

Insulation Screen: Semi-conducting material

Metallic Screen: Copper wire screen

Filler: PETP (Polyethylene Terephthalate) fibres

Separator: Binding tape

Sheath: PE

PHYSICAL AND THERMAL PROPERTIES

Minimum Bending Radius: 15xOD

Temperature Range: 0°C to +90°C (during operation); 0°C to +60°C (during installation)

DIMENSION AND PARAMETERS

| No. of Cores × Cross-sectional Area | No./Nominal Diameter of Strands | Nominal Insulation Thickness | Nominal Sheath Thickness | Nom. Overall Diameter | Approx. Weight | Max. DC Resistance at 20°C |
|--|---------------------------------|------------------------------|--------------------------|-----------------------|----------------|----------------------------|
| No. × mm ² | no./mm | mm | mm | mm | kg/km | Ω/km |
| 1 x 500 | 91/2.65 | 5.5 | 2.7 | 50 | 2920 | 0.0605 |



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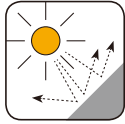
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Buried in Ground



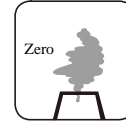
Laid In Ducts



UV Resistant



Water Resistant



Zero Halogen
IEC 60754-1/EN 50267-2-1
NF C20-454