



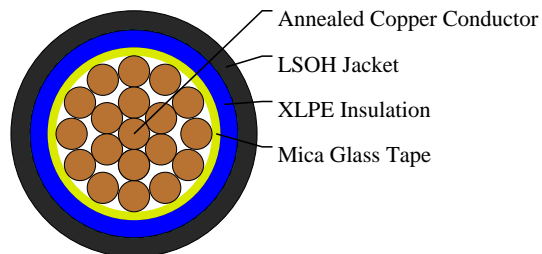
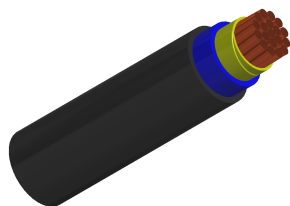
Caledonian

Industrial Cables (Portuguese Standard)

www.caledonian-cables.com

marketing@caledonian-cables.com

XG (frs)/ XZ1(frs)



APPLICATIONS

These cables are specially designed to transmit electric power in the extrem conditions that there are in a large fire. assuring electric supply to emergency circuits. like signaling lights. fume extractors. acoustic alarms. water pumps. etc. In case of fire. it does not emit toxic or corrosive gases. thereby protecting public health and avoiding any possible damage to electronic equipment. For this reason. its use is recommended in public places such as: hospitals. schools. museums. airports. bus terminals. shops in general. tunnels. the underground. etc.. as well as in calculation centres. offices. production plants. laboratories. etc.

STANDARDS

IEC 60502-1

VOLTAGE RATING

600/1000 V

CABLE CONSTRUCTION

- Annealed copper conductor, class2 to NP 2363
- Mica tape+XLPE insulation
- Not fibrous and not hygroscopic filler(optional)
- Flexible LSOH outer jacket

COLOUR CODE

Insulation Colour Code

Color coded to HD 308

Single core - Black, Blue, Green/Yellow, Red, Yellow, White, Violet, Brown, Grey, Orange, Pink

PHYSICAL AND THERMAL PROPERTIES

- Test voltage: 3500 volts
- Minimum bending radius: 12 x Ø
- Operation temperature range: -15 °C to 90 °C
- Short-circuit temperature: 250 °C
- Circuit Integrity: IEC 60331-21
- Halogen free: IEC 60754-1. EN 50267-2-1
- No corrosive gases: IEC 60754-2. EN 50267-2-2



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- No toxic gases: NES 02-713. NFx70-100
- Low smoke density: IEC 61034. EN 50268-2
- Flame retardant: IEC 60332-1. EN 50265-2-1
- Non-flame propagating IEC 60332-3. EN 50266-2
- Insulation resistance: 1000 MΩ x km

DIMENSION AND PARAMETERS

No. of Cores × Cross-sectional Area	Approx. Overall Diameter	Approx. Weight
No. × mm ²	mm	kg/km
1x50	14.5	530