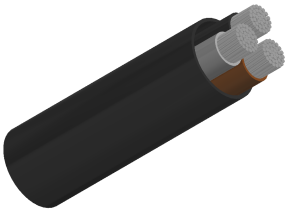
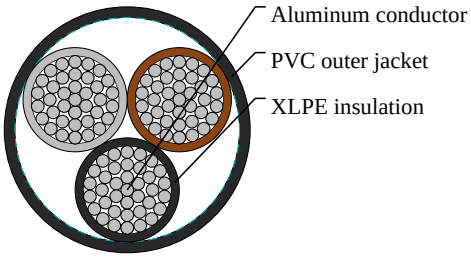
Caledonian

Industrial Cables (French Standard)

www.caledonian-cables.com marketing@caledonian-cables.com

U-1000 AR2V





APPLICATIONS

These cables for energy distribution are suitable for all types of low voltage industrial-type connection, in urban grids, building installations, etc. Particularly suited in cases of high operating temperature and when high resistance to solar radiation and atmospheric agents is required. Good resistance to low temperature and chemical agents. Can be used without additional mechanical protection in the open air, fixed to walls or in raceways, inside walkways, and in empty in Cable Constructions in general. Can be laid underground with mechanical protection constructed from slabs, tiles, or bricks. They are not recommend to lay this cable in ground flooded for more than two months per year. With appropriate mechanical protection it can be use in areas subject to risk of explosion, but in this case the permitted current load is reduced by 15%.

STANDARDS

XP C 32-321 (formerly NF C 32-321）
EN 60332-1
NF C 32-070 2.1(C2)
EN 50575 (Eca)

VOLTAGE RATING

600/1000 V

CABLE CONSTRUCTION

- Flexible aluminum strands
- Strands to IEC 60228 class 2
- XLPE insulation according to XP C 32-321
- Not fibrous and not hygroscopic filler (only for multicore cables)
- Flexible black PVC outer jacket

COLOUR CODE

Insulation Colour Code
Color codes to XP C32-321
3 cores - Brown + Black + Grey

PHYSICAL AND THERMAL PROPERTIES

- Test voltage: 3500 volts
- Minimum bending radius: 8 x Ø
- Operation temperature range: -15 °C to 90 °C
- Short-circuit temperature: 250 °C
- Flame retardant: EN 60332-1/NF C 32-070 C2

DIMENSION AND PARAMETERS

No. of Cores × Cross-sectional Area	AWG Size	Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Approx. Weight
No.×mm²		mm	mm	mm	kg/km
3x150	300MCM	1.4	2.3	40.3	2151