Caledonian
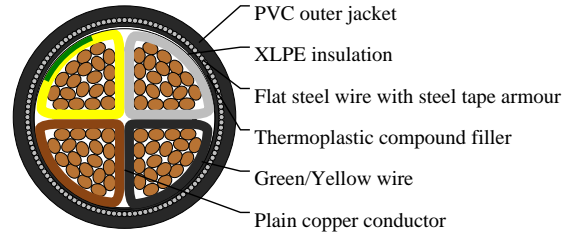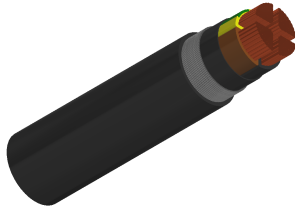
Industrial Cables (German Standard)

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N2XFGY

- PVC outer jacket
- XLPE insulation
- Flat steel wire with steel tape armour
- Thermoplastic compound filler
- Green/Yellow wire
- Plain copper conductor

APPLICATIONS

N2XFGY cables are for lying in earth, indoors, in ducts, in the open air, in the water, when additional mechanical protection is required when cable is exposed to mechanical tensile strain during laying and use. For use in mines ac-cording to Technical standards for electrical plants, equipments and installations in mines, as well as hori-zontal and vertical installation in places where there is a height difference in mines, including methane holes.

STANDARDS

IEC 60502-1
VDE 0276-603

VOLTAGE RATING

600/1000V

CABLE CONSTRUCTION

- Shaped stranded conductor, plain copper conductor
- to DIN VDE 0295 cl. 2, IEC 60228 cl. 2
- Cross-linked polyethylene 2XI1 acc. to VDE 0276-603
- Thermoplastic compound filler
- Flat steel wire with steel tape armour
- PVC outer jacket DMV5 to HD 603.1

COLOUR CODE

Insulation Colour Code
Color coded to DIN VDE 0293-308
4 cores (G) - Green-Yellow + Brown + Black + Grey

PHYSICAL AND THERMAL PROPERTIES

- Test voltage: 3500 volts
- Minimum bending radius: 12 x Ø
- Flexing temperature: -5º C to +70º C
- Fixed installation temperature: - 30º C to +70º C
- Short circuit temperature: +250º C

- Flame retardant: IEC 60332.1

- Insulation resistance: >20 MΩ x km

DIMENSION AND PARAMETERS

No. of Cores × Cross-sectional Area	AWG Size	Approx. Overall Diameter	Nominal Copper Weight	Approx. Weight
No.×mm²		mm	kg/km	kg/km
3x70+35	2/0	35.5	2352	3476