



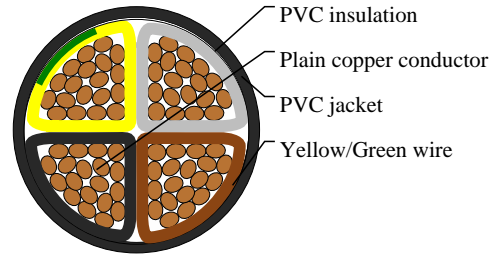
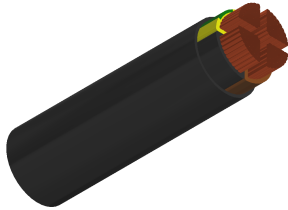
# Caledonian

Industrial Cables (German Standard)

[www.caledonian-cables.com](http://www.caledonian-cables.com)

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## NYY-J



## APPLICATIONS

NYY power cable is designed for energy supply in cable ducts, power stations, industry and distribution boards and in subscriber networks. May also be used in brickwork and in concrete with the exception of cabling in shaken, vibrated or compressed concrete. NYY cables can be installed in open air, underground, in water and indoors where mechanical damages are not to be expected. The UV-resistance allows for outdoor use.

## STANDARDS

VDE-0276 Part-603 & Part-627

HD 603.1 & 627 S1

IEC 60502

VDE 0482-332-1-2

DIN EN 60332-1-2

## VOLTAGE RATING

600/1000V

## CABLE CONSTRUCTION

- Shaped stranded conductor , plain copper conductor
- to DIN VDE 0295 cl. 2, BS 6360 cl. 2 and IEC 60228 cl. 2
- PVC insulation DIV4 to HD 603.1
- Conductor color for 3+1/2 conductor
  - J-type: green-yellow (1/2), brown, black, gray
- PVC outer jacket DMV5 to HD 603.1

## COLOUR CODE

Insulation Colour Code

Color coded to DIN VDE 0293-308, 0276 part 603 or HD 186

4 cores (G) - Green-Yellow + Brown + Black + Grey

## PHYSICAL AND THERMAL PROPERTIES

- Test voltage: 4000 volts
- Flexing bending radius: 15 x Ø



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- Static bending radius:  $12 \times \varnothing$
- Flexing temperature:  $-5^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$
- Fixed installation temperature:  $-40^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$
- Flame retardant: IEC 60332.1
- Insulation resistance:  $>100\text{ M}\Omega \times \text{km}$

## DIMENSION AND PARAMETERS

No. of Cores × Cross-sectional Area	AWG Size	Approx. Overall Diameter	Nominal Copper Weight	Approx. Weight
No. × mm <sup>2</sup>		mm	kg/km	kg/km
3X70+35	2/0	35	2350	2900