# Caledonian

Industrial Cables (Italian Standard)

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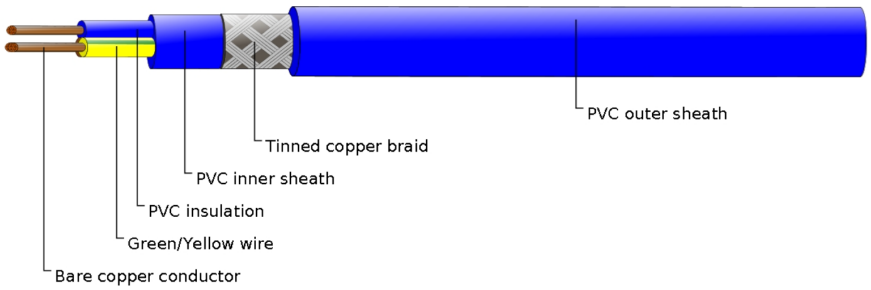
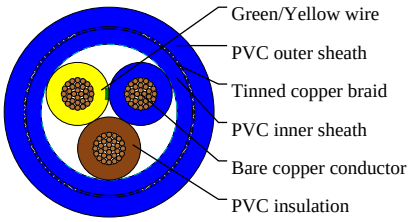
## H05VVC4V5-K




## APPLICATIONS

These cables are suitable for dry, damp and wet locations but not in the open-air. They are used as screened termination and connection cable in the control, measuring and signal technology. The copper braiding optimises protection against external interferences, like electromagnetic fields and stray frequencies. Suitable as a signal and impulse cable for control and inspection of industrial plants, machinery and working processes.

## STANDARDS

CEI 20-20/13
CEI 20-35 (EN60332-1)
CEI 20-52
HD 21.13 S1

## VOLTAGE RATING

300/500V

## CABLE CONSTRUCTION

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 Class-5
- PVC insulation T12 to DIN VDE 0281 part 1
- Green-yellow grounding (3 conductors and above)
- Cores to VDE-0293 colors
- PVC inner sheath TM2 to DIN VDE 0281 part 1
- Tinned copper braided shielding, covering approx. 85%
- PVC outer jacket TM5 to DIN VDE 0281 part 1

## COLOUR CODE

Insulation Colour Code
Colour coded to VDE-0293
3 cores (G) - Green-Yellow + Brown + Blue

## PHYSICAL AND THERMAL PROPERTIES

- Test voltage: 2000volts

- Flexing bending radius: 10 x Ø
- Static bending radius: 5 x Ø
- Flexing temperature: -5º C to +70º C
- Static temperature: -40º C to +70º C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

## DIMENSION AND PARAMETERS

| No. of Cores × Cross-sectional Area | AWG Size | Nominal Insulation Thickness | Nominal Sheath Thickness | Nominal Inner Sheath Thickness | Approx. Overall Diameter | Nominal Copper Weight | Approx. Weight |
|---|---|---|---|---|---|---|---|
| No.×mm² | | mm | mm | mm | mm | kg/km | kg/km |
| 3 x 1.5 | 16(30/30) | 0.7 | 1.0 | 0.7 | 9.7 | 73 | 185 |