Caledonian

Industrial Cables (Harmonized code)

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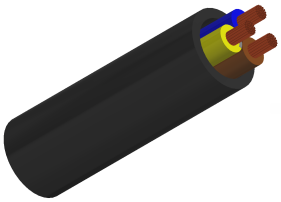
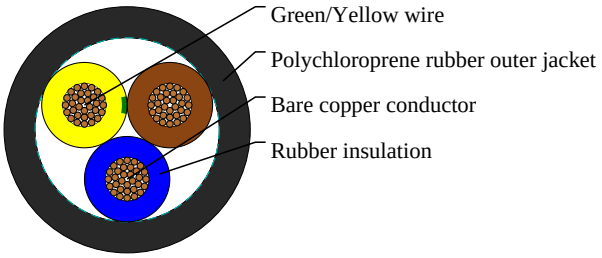
H05RN-F





APPLICATIONS

These cables are flexible, mainly recommended for use in electrical equipment under low stress in dry, damp and wet areas in indoor or outdoor environments. Commonly used for connection of electrical appliances when exposed to low mechanical strain in household, offices and for light utilities. Anywhere where there is minimal physical damage. Also suitable for fixed installation in furniture, decorative coverings, wall partitions and pre-fabricated building parts. Max operating voltage in single or three phase system is Uo/U 318/550 volts. In a direct current system max operating voltage is Uo/U 413/825 volts. They are ozone resistant, oil & fat resistant

STANDARDS

<HAR> HD22.4 S3
VDE-0282 Part-4
CEI 20-19 p.4
CE low voltage directive 73/23/EEC & 93/68/EEC
IEC 60245-4
ROHS compliant

VOLTAGE RATING

300/500V

CABLE CONSTRUCTION

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 Class-5
- Rubber core insulation EI4 to VDE-0282 Part-1
- Color code VDE-0293-308
- Green-yellow grounding, 3 conductors and above
- Polychloroprene rubber (neoprene) jacket EM2

COLOUR CODE

Insulation Colour Code
Colour coded to VDE 0293-308/HD308/NF C 32-081
3 cores (G) - Green-Yellow + Brown + Blue

PHYSICAL AND THERMAL PROPERTIES

- Test voltage: 2000 volts
- Flexing bending radius: 7.5 x Ø
- Fixed bending radius: 4.0 x Ø
- Temperature Range: -30º C to +60º C
- Short circuit temperature: +200 º 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	Overall Diameter (min.)	Overall Diameter (max.)	Nominal Copper Weight	Approx. Weight
No.×mm²		mm	mm	mm	mm	kg/km	kg/km
3 x 1	17(32/32)	0.6	0.9	6.5	8.5	29	115