



## H05BN4-F

### Application and Description

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These EPR (ethylen-propylen rubber) insulated and CSP (chlorosulphonated polyethylene rubber or similar) sheathed electric cables can be used either in dry, humid or wet places or in contact with oil or grease, in weather conditions and under weak mechanical stress, for example for power supply to small appliances in industrial plants, machine shops, heating plates, portable lamps, farming equipment etc. They are also suitable for caravans and camping equipment... The maximum conductor temperature in normal use: 90°C. While high temperature use, skin contact must be avoided.

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### Standard and Approval

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CENELEC HD 22.12 S1, VDE 0282 Part-12, IEC 60245-4, CE Low-Voltage, ROHS compliant

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### Cable Construction

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- Fine bare copper strands
  - Strands to VDE-0295 Class-5, IEC 60228 Class-5
  - EPR(Ethylene Propylene Rubber) rubber EI7 insulation
  - Color code VDE-0293-308
  - CSP(Chlorosulphonated Polyethylene) outer jacket EM7
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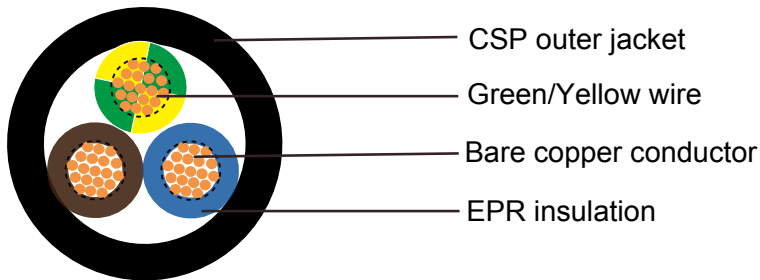
### Technical Characteristics

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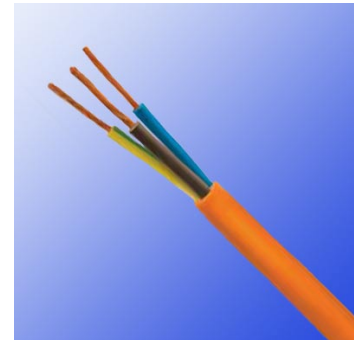
- Working voltage: 300/500 volts
  - Test voltage: 2000 volts
  - Flexing bending radius: 6.0 x Ø
  - Fixed bending radius: 4.0 x Ø
  - Temperature Range: -20° C to +90° C
  - Maximum Short Circuit Temperature: +250° C
  - Flame retardant: IEC 60332.1
  - Insulation resistance: 20 MΩ x km
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## German Standard (VDE)



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### Cable Parameter

AWG	No. of Cores x Nominal Cross Sectional Area # x mm <sup>2</sup>	Nominal Thickness of Insulation mm	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Copper Weight kg/km	Nominal Weight kg/km
18(24/32)	2 x 0.75	0.6	0.8	6.1	29	54
18(24/32)	3 x 0.75	0.6	0.9	6.7	43	68
18(24/32)	4 x 0.75	0.6	0.9	7.3	58	82
18(24/32)	5 x 0.75	0.6	1.0	8.1	72	108
17(32/32)	2 x 1	0.6	0.9	6.6	19	65
17(32/32)	3 x 1	0.6	0.9	7.0	29	78
17(32/32)	4 x 1	0.6	0.9	7.6	38	95
17(32/32)	5 x 1	0.6	1.0	8.5	51	125