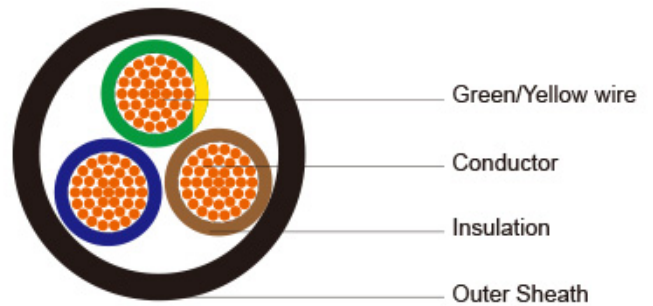


Harmonized Standard Industrial Cables H05BN4-F



Application and Description

These EPR (ethylene-propylene 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.

Standard and Approval

NF C 32-102-12
ROHS compliant
VDE 0282 Part-12
IEC 60245-4
CE Low-Voltage

Cable Construction

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

Technical Characteristics

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: NF C 32-070
INSULATION RESISTANCE: 20 MΩ x km

Cable Parameter

AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA	NOMINAL THICKNESS OF INSULATION	NOMINAL THICKNESS OF SHEATH	NOMINAL OVERALL DIAMETER	NOMINAL COPPER WEIGHT	NOMINAL WEIGHT
	# X MM ²	MM	MM	MM	KG/KM	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