

DESIGN

Conductor

Bare Copper, Class 2 According to EN 60228

Insulation

Thermoplastic compound TI7 according to EN 50363-7

Sheath Colour

Green/Yellow



APPLICATIONS

Thermosetting insulated, non-sheathed, single core cables with low emission of smoke

CHARACTERISTICS

CPR Classification

B2ca-s1,d0,a1 According to EN 13501-6:2018

Nominal Voltage (U⁰/U)

450/750 V

Test Voltage

2500 V

Max Electrical resistance of conductors at 20°C

Ω/km According to EN 60228 class.2

Temperature Range

20°C + 70°C During installation: Min +5 °C

Max Temperature of conductor

+ 70°C

Short-Circuit Temperature conductors +300mm²

+160°C

Minimum Bending Radius

4 x Ø ex

DIMENSIONS

Part Number	Cross Section (mm ²)	External Diameter (mm)	Insulation Thickness (mm)	Conductor Resistance at 20°C Max. (Ω/km)	Min insulation resistance at 70 °C (MΩ/km)	Cable Weight (Kg/Km)
HZRB2-001	1x1.5	2.9	0.7	12.1	0.010	20.8
HZRB2-002	1x2.5	3.8	0.8	7.41	0.0099	33.4
HZRB2-003	1x4	4.2	0.8	4.61	0.0082	48.8
HZRB2-004	1x6	4.6	0.8	3.08	0.0070	68.4
HZRB2-005	1x10	6.0	1.0	1.83	0.0067	114.3
HZRB2-006	1x16	7.0	1.0	1.15	0.0056	168.1
HZRB2-007	1x25	8.7	1.2	0.727	0.0053	260.9
HZRB2-008	1x35	9.8	1.2	0.524	0.0046	350.3
HZRB2-009	1x50	11.5	1.4	0.387	0.0046	482.8
HZRB2-010	1x70	13.4	1.4	0.268	0.0040	673.3
HZRB2-011	1x95	15.7	1.6	0.193	0.0039	925.1
HZRB2-012	1x120	17.2	1.6	0.153	0.0035	1144.8
HZRB2-013	1x150	19.1	1.8	0.124	0.0035	1413.8
HZRB2-014	1x185	21.2	2.0	0.0991	0.0035	1735.5
HZRB2-015	1x240	24.1	2.2	0.0754	0.0034	2289.5
HZRB2-016	1x300	27.2	2.4	0.0601	0.0033	2907.5
HZRB2-017	1x400	31.0	2.6	0.0470	0.0031	3829.2
HZRB2-018	1x500	34.4	2.8	0.0366	0.0030	4742.4
HZRB2-019	1x630	37.8	2.8	0.0283	0.0027	6030.1

** The product and information presented in this document are for calculation only and subject to technical progress. Outer diameters are approximately **