

# Aluminium Flexible



## 0.6/1kV Single Core

### XLPE Insulated, Rubber Sheathed Cable

Description: 0.6/1kV AL/X-HF-110/R ASNZS5000.1



**Application:** This cable can be used for mains power supply in switchboards and power stations. It can be installed in trenches, cable duct and cable trunking.

**Voltage Rating:** 0.6/1kV

**Construction:** Fine EC1350 Aluminium Wire, Class 5 ASNZS1125

**Insulation:** X-HF-110, White ASNZS3808

**Outer Sheath:** HF-110-Rubber, Black ASNZS3808, HFS (Halogen Free or LSZH)

**Temperature Range:** Min -25° , Max 110° , Flame Retardant

**Bending Radius:** 10 x OD

**Safe Pulling Force:** 9.37 Mpa

**Flame retardant:** Tested to ASNZS1660.5.6 / IEC60332.3.24

Part Number	No of cores and nominal cross section area [mm]	Nominal Thickness of XLPE insulation [mm]	Thickness Of PVC Outer sheath	Overall diameter App.	Maximum wire OD	Diameter of Conductor	Net weight	D. C. resistance of conductor 20° (Ω/km)
	No*Section	Phase core	[mm]	[mm]	[mm]	[mm]	[kg/m]	Voltage withstand test(kV)-3.5
170ALFLEXRB	1*70	1.1	1.4	16.9	0.31	11.7	0.382	0.4430
195ALFLERXB	1*95	1.1	1.5	18.9	0.31	13.5	0.484	0.3200
1120ALFLEXRB	1*120	1.2	1.5	21.1	0.31	15.5	0.589	0.2530
1150ALFLEXRB	1*150	1.4	1.6	23.4	0.31	17.2	0.728	0.2060
1185ALFLEXRB	1*185	1.6	1.6	25.7	0.51	19.1	0.877	0.1640
1240ALFLEXRB	1*240	1.7	1.7	28.9	0.51	21.9	1.115	0.1250
1300ALFLEXRB	1*300	1.8	1.8	31.9	0.51	24.5	1.360	0.1000
1400ALFLEXRB	1*400	2.0	1.9	36.1	0.51	28.1	1.749	0.7780
1500ALFLEXRB	1*500	2.2	2.0	40.2	0.51	31.6	2.164	0.0605
1630ALFLEXRB	1*630	2.4	2.2	45.1	0.51	35.7	2.726	0.0469

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