

**Code****A05Z1Z1-AF AL/HFFR/HFFR****Voltage Rating****300/500 V****Standards****IEC 60228
EN 61034
EN 50267
EN 60332-3****Conductor
Smoke Density
Halogen Free
Flame Retardant (Cat C)****Reaction to Fire Classification (CPR)****EN 60332-1-2****Flame Retardant****Conductor****Flexible Aluminum Conductor (Class 5)****Insulation****HFFR****Filler****-****Armour****-****Sheath****HFFR****Technical Data**

Max. Operating Temperature	:	90°C
Short Circuit Temperature	:	250°C (max.5 sec)
Bending Radius	:	6D (D : Overall Diameter)
Test Voltage	:	2 kV

Application**Used in refineries, hotels, schools, tunnels, high constructions, hospitals, power plants, data processing centers, populated business centers where there is a risk of fire.**

Nominal Cross Section (mm ²)	Overall Diameter (mm)	Net Weight (kg/km)	Delivery Length (m)	Resistance at 20°C (ohm/km)	Current Carrying Capacity	
					In Ground at 20°C	In Air at 30°C
2x0,75*	6,3	58,7	100	37,4	-	-
2x1,0*	6,6	65,6	100	28,1	-	-
2x1,5*	7,4	82,7	100	19,3	-	-
2x2,5*	9,1	121,5	100	7,22	-	-
2x4*	10,6	163,1	100	4,81	-	-

Nominal Cross Section (mm ²)	Overall Diameter (mm)	Net Weight (kg/km)	Delivery Length (m)	Resistance at 20°C (ohm/km)	Current Carrying Capacity	
					In Ground at 20°C	In Air at 30°C
3x0,75*	6,6	67,6	100	37,4	-	-
3x1,0*	7,0	75,9	100	28,1	-	-
3x1,5*	8,1	100,8	100	19,3	-	-
3x2,5*	9,9	148,7	100	7,22	-	-
3x4*	11,4	199,0	100	4,81	-	-

Nominal Cross Section (mm ²)	Overall Diameter (mm)	Net Weight (kg/km)	Delivery Length (m)	Resistance at 20°C (ohm/km)	Current Carrying Capacity	
					In Ground at 20°C	In Air at 30°C
4x0,75*	7,2	81,6	100	37,4	-	-
4x1 *	7,9	96,0	100	28,1	-	-
4x1,5*	9,0	127,0	100	19,3	-	-
4x2,5*	10,8	180,3	100	7,22	-	-
4x4*	12,5	242,1	100	4,81	-	-

Nominal Cross Section (mm ²)	Overall Diameter (mm)	Net Weight (kg/km)	Delivery Length (m)	Resistance at 20°C (ohm/km)	Current Carrying Capacity	
					In Ground at 20°C	In Air at 30°C
5x0,75*	9,1	125,9	100	37,4	-	-
5x1*	9,6	140,6	100	28,1	-	-
5x1,5*	11,1	189,0	100	19,3	-	-
5x2,5*	13,0	263,3	100	7,22	-	-
5x4*	15,1	355,3	100	4,81	-	-

Note 1:

* Conductor resistance calculated theoretically. Conductor resistances are taken from EN 60228 Class-2 Aluminum values.

Note 2:

Current carrying capacities are valid at 30°C ambient temperature.