Özler Kablo

Code :

A05Z1-AK , A07Z1-AK ***AL/HFFR***

Voltage Rating:

300/500 V , 450/750 V

Standards :

IEC 60228	***Conductor (Special Values)***
EN 61034	***Low Smoke Density***
EN 50267-2-1 and 2-3	***Halogen Free***
IEC 60754-1 and -2	***Halogen Acid Gas Indication***
ISO 4892	***UV Resistant***
CE Conformity	***Declaration - All our Cables***

Reaction to Fire Classification (CPR)

EN 60332-1-2 ***Flame Retardant***

Conductor:

Flexible Aluminum Conductor (Class 5)

Insulation:

HFFR UV

Filler

-

Armour

-

Sheath

-

Technical Data

Max. Operating Temper	:	***- 40 °C to +90°C***
Short Circuit Temperatı	:	***160°C (max.5 sec.)***
Bending Radius	:	***6D*** *(D : Overall Diameter)*
Test Voltage	:	***2 kV - 2,5 kV***

Application:

Used in energy networks in refineries, mines, hotels, schools, tunnels, high constructions, hospitals, power plant, data processing centers, business center where there is a risk of fire.

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Nominal Cross Section (mm²)	Overall Diameter (mm)	Net Weight (kg/km)	Delivery Length (m)	Resistance at 20°C (ohm/km)	Current Carrying Capacity	
					AL -Conduit	AL - Air
1x0,50* **	2,1	6,7	100	56,14		
1x0,75* **	2,3	7,5	100	37,43		
1x1* **	2,5	9,4	100	28,07		
1x1,5**	2,9	12,9	100	19,25	11	18
1x2,5**	3,6	19,2	100	11,55	15	24
1x4**	4,2	26,1	100	7,22	20	32
1x6**	4,7	33,6	100	4,81	26	41
1x10	6,2	55,3	100	3,08	35	55
1x16	7,0	74,6	100	1,91	46	74
1x25	9,1	117,6	1000	1,20	60	97
1x35	10,1	149,1	1000	0,868	74	119
1x50	11,5	200,6	1000	0,641	89	149
1x70	13,3	271,1	1000	0,443	113	184
1x95	15,6	366,0	1000	0,320	137	219
1x120	17,3	444,6	1000	0,253	158	258
1x150	19,0	555,8	1000	0,206	180	293
1x185	21,3	682,8	1000	0,164	205	336
1x240	24,3	899,8	1000	0,125	241	396
1x300	26,9	1107,9	1000	0,100		
1x400	30,4	1421,9	1000	0,0778		
1x500	34,6	1771,3	1000	0,0605		
1x630	37,9	2191,9	1000	0,0469		

Note 1:
** For A05Z1-AK Cables*

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

Note 3:
Current carrying capacities are valid at 30°C ambient temperature.