

Green Energy Cables Yeşil Enerji Kabloları

HTZ22-K	Single core flexible cable, suited for photovoltaic an solar system , up to 1,5 Kv D.C
HTZ22-K Water resistance	Water resistance Single core flexible cable , suited for photovoltaic an solar system , up to 1,5 Kv D.C
HTZ22-K Anti-Rodent	Anti-Rodent Single core flexible cable ,suited for photovoltaic an solar system , up to 1,5 Kv D.C
H07BZ5-F	PUR - Auto charging cables

PVC Energy and Power Cables PVC Enerji ve Güç Kabloları

H05V-U / H07V-U	PVC insulated conductor -single wire 300/500 V - 450/750 V
H07V-R	PVC insulated conductor -single wire 450/750 V
H05V-K / H07V-K	PVC insulated conductor -single wire 300/500 V - 450/750 V
H05V2-U / H07V2-U / H07V2-R	PVC insulated conductor -single wire 300/500 V - 450/750 V (90 °C)
H05V2-K / H07V2-K	PVC insulated conductor -single wire 300/500 V - 450/750 V (90 °C)
H03VH-H	PVC insulated flexible flat cable 300/300 V
H03VV-F	PVC insulated and sheathed light fine wired cable
H05VV-F	PVC insulated and sheathed fine wired cable
A05V3V3-F ARTIC CABLE	PVC insulated and sheathed fine wired cable (- 40 °C)
H03V2V2-F / H05V2V2-F	PVC insulated and sheathed fine wired cable (90 °C)
6181 Y BS 6004:2012	PVC insulated and sheathed single wire
FLAT TWIN BS 6004:2012	PVC insulated and sheathed flat twin cables
NYIFY	PVC insulated and sheathed flat cables
FLRY-B	Automotive cables
NYM (NYY)	PVC insulated and sheathed installation cables
YVV (NYY)	Power and signal cable 0,6/1 Kv , PVC insulated and sheathed
YKV (N2KY)	Power and signal cable 0,6/1 Kv , XLPE insulated , PVC sheathed

Halogen Free Energy and Power Cables Halojen olmayan Enerji ve Güç Kabloları

H05Z1-K / H07Z1-K	Halogen-free fine wired conductor , with improved properties under fire 300/500 V - 450/750 V
H05Z1-U / H07Z1-U / H07Z1-R	Halogen-free fine wired conductor , with improved properties under fire 300/500 V - 450/750 V
H05Z-K / H07Z-K	Halogen-free fine wired conductor , with improved properties under fire 300/500 V - 450/750 V (90 °C)
H07Z-U / H07Z-R	Halogen-free fine wired conductor , with improved properties under fire 450/750 V (90 °C)
H03Z1Z1-F / H05Z1Z1-F	Halogen-free insulated and sheathed flexible cable
FLAT TWIN BS 7211:2012	Xlpe insulated , Halogen-free sheathed flat twin cables
O62XZ1-F	Xlpe insulated , Halogen-free sheathed flexible cable
NHXMH	Xlpe insulated , Halogen-free sheathed installation cable
N2XH	Halogen-Free Power and signal cable 0,6/1 Kv , with improved properties under fire

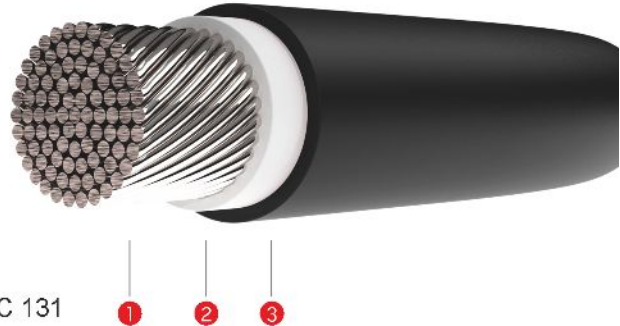
H1Z2Z2-K SOLAR CABLE

HALOGEN FREE CABLE FOR USE IN PHOTOVOLTAIC SYSTEMS



APPLICATION

These cables are designed for connecting photovoltaic system components inside and outside of buildings and equipment with high mechanical requirements and extreme weather conditions. Especially designed to connect solar panels for permanent junction boxes and inverters. Good abrasion and ozone resistant flame-retardant properties. halogen-free, oilresistant, reduced diameter, and outstanding flexibility



STANDARDS

EN 50618 62930 IEC 131

CONSTRUCTION

1 CONDUCTOR

Material of conductor

Fine stranded tinned copper (Class 5)

2 INSULATION

Material of insulation

Special crosslinked compound LSOH (Halogen free)

3 SHEATH

Material of sheath

Special crosslinked compound LSOH (Halogen free)

TECHNICAL PROPERTIES

Maximum permissible operating voltage AC

1,2/1,2 kV

Maximum permissible operating voltage DC

1,8/1,8 kV

AC Test voltage

6,5 kV

Minimum operating temperature

-40 °C

Maximum permissible conductor operating temperature

120 °C

Maximum permissible conductor temperature during short circuit (max. 5 sec.)

250 °C

Minimum bending radius during laying (mm)

5xCable Ø

Flame propagation test on single cable

EN 60332-1-2

TECHNICAL DATA

Nominal Cross Section	Maximum DC Resistance of the Conductor at 20 °C	Maximum Insulation Resistance at 20 °C	Maximum Insulation Resistance at 90 °C	Current Carrying Capacity		
				Single cable free in air	Single cable on surfaces	Two loaded cables adjacent on surfaces
mm ²	Ω/km	MΩ/km	MΩ/km	A	A	A
1x1,5	13,7	860	0,86	30	29	24
1x2,5	8,21	690	0,69	41	39	33
1x4	5,09	580	0,58	55	52	44
1x6	3,39	500	0,50	70	67	57
1x10	1,95	420	0,42	98	93	79
1x16	1,24	340	0,34	132	125	107
1x25	0,795	340	0,34	176	167	142
1x35	0,565	290	0,29	218	207	176
1x50	0,393	270	0,27	276	262	221
1x70	0,277	250	0,25	347	330	278
1x95	0,210	220	0,22	416	395	333
1x120	0,164	210	0,21	488	464	390
1x150	0,132	210	0,21	566	538	453
1x185	0,108	200	0,20	644	612	515
1x240	0,082	200	0,20	775	736	620

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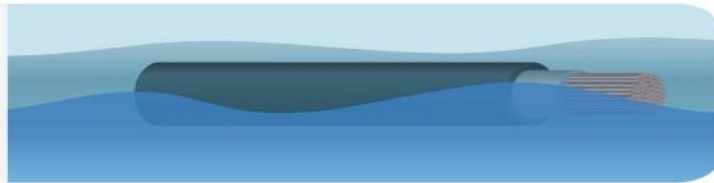


HALOGEN FREE CABLE FOR USE IN PHOTOVOLTAIC SYSTEMS



H1Z2Z2-K WATER RESISTANCE SOLAR CABLES

AD8
Submersion



Immersion Water Resistance cables

AD8 PROTECTION AGAINST WATER RESISTANT IN ELECTRIC CABLES
possibility of permanent and total water flooding.

Our AD8 solar cables have high water resistance and are suitable for use
in solar power plants built on lakes, seas and ponds.



H1Z2Z2-K SOLAR CABLE



HALOGEN FREE CABLE FOR USE IN PHOTOVOLTAIC SYSTEMS



H1Z2Z2-K ANTI-RODENT ANTI-TERMIT SOLAR CABLES



This Photovoltaic solar cable has been designed for protection purposes due to one of the most important causes of danger or attack is being rodent animals called " RODENTS". Rodents or rodents can severely damage the cable by biting or gnawing the outer sheath of the cable. In order to be protected from such damages by rodents, rodent-proof cable has been designed by NAK KABLO by application of irritating to rodents. This added additive protects the cable by leaving a bad taste or a rodent offensive odor when the rodent approaches or bites the cable.

