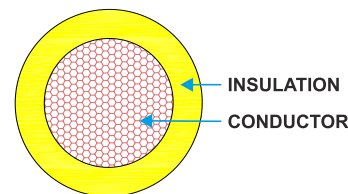


Halogen Free Flame Retardant

H05Z-K / H07Z-K



Application

Halogen-free single-core wires are used for installation in dry environments for wiring up lighting fixtures and units where valuable assets are to be protected from further damage resulting from fire.

These cables may be used in closed installation ducts. The direct operating voltages is permitted up to 900 V against ground when they are used in rail-coaches. For the inner wiring of switch boards and distributors these are to be used with an alternating nominal voltage up to 1000V or a direct voltage up to 750V against ground.

Properties

PVC self-extinguishing and flame retardant according to EN 60332-1-2.

Minimum bending radius :

Cable diameter ≤ 8 mm : 4 x outer diameter

Approx. diameter > 8 to 12 mm : 5 x outer diameter

Approx. diameter > 12 mm : 6 x outer diameter

Construction

- Conductor class 5 flexible plain/metal coated stranded according to EN 60228.
- Insulation polyolefin cross linked EI5 to EN 50363-5.

Technical Parameter

- Nominal voltage : H05Z-K, 300 / 500V, H07Z-K, 450 / 750V
- Test voltage : 2500V
- Temperature range : -15°C to +90°C
- Harmonised design. : 0.50mm² to 1.00mm² - H05Z-K, 1.5 mm² to 240 mm² - H07Z-K



H05Z-K

Part Code	Nom. Cross Sect. Area mm ²	Nom. Thickness of Insulation mm	Mean Overall Diameter		Approx. Cable Weight kg/km
			Lower Limit mm	Upper Limit mm	
0601B010005xx	0.5	0.6	2.1	2.5	9
0601B010007xx	0.75	0.6	2.2	2.7	12
0601B010010xx	1.0	0.6	2.4	2.8	15

H07Z-K

Part Code	Nom. Cross Sect. Area mm ²	Nom. Thickness of Insulation mm	Mean Overall Diameter		Approx. Cable Weight kg/km
			Lower Limit mm	Upper Limit mm	
0601B010015xx	1.5	0.7	2.8	3.4	21
0601B010025xx	2.5	0.8	3.4	4.1	33
0601B010040xx	4	0.8	3.9	4.8	47
0601B010060xx	6	0.8	4.4	5.3	66
0601B010100xx	10	1.0	5.7	6.8	112
0601B010160xx	16	1.0	6.7	8.1	170
0601B010250xx	25	1.2	8.4	10.2	261
0601B010350xx	35	1.2	9.7	11.7	358
0601B010500xx	50	1.4	11.5	13.9	510
0601B010700xx	70	1.4	13.2	16.0	927
0601B010950xx	95	1.6	15.1	18.2	510
0601B011200xx	120	1.6	16.7	20.2	1170
0601B011500xx	150	1.8	18.6	22.5	1459
0601B011850xx	185	2.0	20.6	24.9	1776
0601B012400xx	240	2.2	23.5	28.4	2333

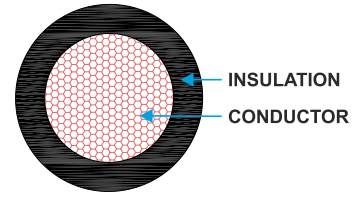
Note-1: Kindly complete the part numbers for these cables by adding the suffix (in place of 'xx') for the colour required: 01 - Green, 02 - Black, 03 - Red, 04 - Blue, 05 - Yellow, 06 - Green/Yellow, 07 - White, 08 - Violet, 09 - Brown, 10 - Orange, 11 - Pink, 12 - grey.

Note-2: Tinned copper on request

0601 - Halogen Free Flame Retardant



Halogen Free Flame Retardant Halogen Free Cables



Application

- These cables are used in applications requiring high safety as in
- Public buildings, Theaters, Airports, Railways, Marine
 - Educational institutions, residential & commercial complexes
 - Green buildings, Hospitals, Hostels, Hotels

Properties

- Limited Oxygen Index > 29%
- Limited Temp. Index >250°C
- Low smoke Density < 20%
- HCL acid gas generates < 0.50%
- Excellent flame-retardancy
- Halogen Free, Low smoke generation
- Low toxic gas emission

Construction

- Conductor : Plain or Tin-plated copper, class-2 / class-5 flexible as per IS: 8130 / IEC 60228
- Insulation : LSZH Compound
- Compliances Standard : IEC 60502-1, EN 50268 / IEC 61034, EN 50267-2-2, IEC 60754-2
- Standard : IS-17048

Technical Parameter

- Voltage rating : 650V / 1100V
- Temp rating : - 25°C to +70°C
- Short circuit : 160°C
- Bending radius : 6 to 8 x diameter of cable



Cable Technical Parameters

Part Code	Cross section Area	Construction	Insulation Thickness Nomonal	Overall Diameter (approx.)	Conductor Resistance @ 20°C maximum	Cable Wt. approx..
	mm ²	No. of strands / mm	mm	mm	Ohm/km	Kg/km
0602B001001xx	1	14/0.30	0.7	3.00	18.1	14
0602B001501xx	1.5	22/0.30	0.7	3.20	12.1	20
0602B002501xx	2.5	36/0.30	0.8	3.80	7.41	32
0602B004001xx	4	56/0.30	0.8	4.50	4.95	49
0602B006001xx	6	84/0.30	0.8	5.50	3.3	70
0602B010001xx	10	140/0.30	1.00	6.70	1.91	118
0602B016001xx	16	126/0.40	1.00	8.20	1.21	180
0602B025001xx	25	196/0.40	1.20	10.0	0.78	280
0602B035001xx	35	276/0.40	1.20	11.3	0.554	375
0602B050001xx	50	396/0.40	1.40	13.5	0.386	535
0602B070001xx	70	360/0.50	1.40	15.5	0.272	730
0602B095001xx	95	475/0.50	1.60	18.5	0.206	995
0602B120001xx	120	608/0.50	2.0	20.9	0.161	1269
0602B150001xx	150	750/0.50	2.0	22.5	0.129	1540

Note-1: Tinned copper on request

Note-2: Kindly complete the part numbers for these cables by adding the suffix (in place of 'xx') for the colour required: 01 - Green, 02 - Black, 03 - Red, 04 - Blue, 05 - Yellow, 06 - Green/Yellow, 07 - White, 08 - Violet, 09 - Brown, 10 - Orange, 11 - Pink, 12 - grey.

