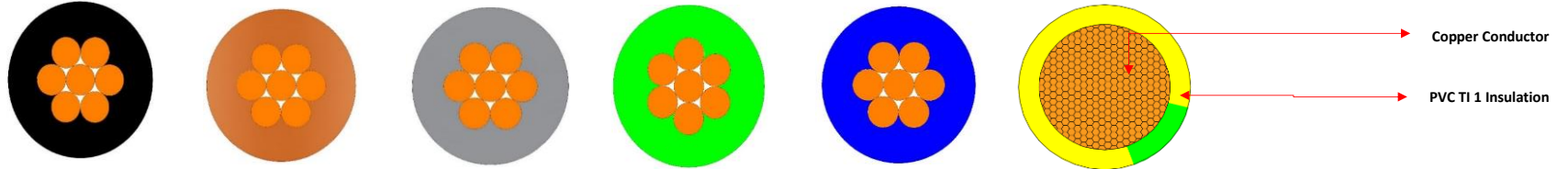


Customer : Agostini's Limited
KEI Ref No : KEI/MUM/H07V-R./2024
TDS Rev : 00

Cable Description :
450/750 V, Stranded (Class-2) Circular
Plain Annealed Copper Conductor,
Extruded PVC TI 1 Insulated LV Cable
manufactured to BS EN 50525-2-31
(H07V-R)

Cable Cross sectional Drawing



S.No.	Descriptions	No. of Core x Cable Size	1C x 1.5 mm ²	1C x 2.5 mm ²	1C x 4.0 mm ²	1C x 6.0 mm ²	1C x 10 mm ²	1C x 16 mm ²	1C x 25 mm ²	1C x 35 mm ²	1C x 50 mm ²	1C x 70 mm ²	1C x 95 mm ²	1C x 120 mm ²	1C x 150 mm ²	1C x 185 mm ²	1C x 240 mm ²	1C x 300 mm ²	1C x 400 mm ²	1C x 500 mm ²	1C x 630 mm ²	1C x 800 mm ²	1C x 1000 mm ²
1	GENERAL																						
	Name of Manufacture	KEI INDUSTRIES LTD																					
	Country of Origin	INDIA																					
	Voltage Grade Uo/U	450/750 Volts																					
	Referred Standards	As per BS EN 50525-2-31																					
	Cable Type	H07V-R																					
2	CONDUCTOR																						
	Material	Stranded (Class 2) , Annealed Plain Copper Conductor as per BS EN 60228																					
	Cross Sectional Area	sq.mm.	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630	800	1000
	Shape	Circular																					
3	CONDUCTOR TEMPERATURE																						
	Rated	70° C.																					
	During short circuit	160° C.																					
4	INSULATION																						
	Material	Extruded PVC Type TI 1 Compound																					
	Thickness (Nom.)	mm	0.7	0.8	0.8	0.8	1.0	1.0	1.2	1.2	1.4	1.4	1.6	1.6	1.8	2.0	2.2	2.4	2.6	2.8	2.8	2.8	3.0
	Minimum Overall Diameter	mm	2.7	3.3	3.8	4.3	5.6	6.4	8.1	9.0	10.6	12.1	14.1	15.6	17.3	19.3	22.0	24.5	27.5	30.5	34.0	37.8	42.1
	Maximum Overall Diameter	mm	3.3	4.0	4.6	5.2	6.7	7.8	9.7	10.9	12.8	14.6	17.1	18.8	20.9	23.3	26.6	29.6	33.2	36.9	41.1	45.7	51.0
	Approx Cable Weight	Kg/Km	21	33	48	67	110	165	258	349	494	676	915	1139	1428	1767	2283	2843	3759	4682	5842	7353	9177

S.No.	Descriptions	No. of Core x Cable Size	1C x 1.5 mm ²	1C x 2.5 mm ²	1C x 4.0 mm ²	1C x 6.0 mm ²	1C x 10 mm ²	1C x 16 mm ²	1C x 25 mm ²	1C x 35 mm ²	1C x 50 mm ²	1C x 70 mm ²	1C x 95 mm ²	1C x 120 mm ²	1C x 150 mm ²	1C x 185 mm ²	1C x 240 mm ²	1C x 300 mm ²	1C x 400 mm ²	1C x 500 mm ²	1C x 630 mm ²	1C x 800 mm ²	1C x 1000 mm ²	
5	Insulation Colour	Black or Brown or Green or Grey or Blue or Yellow/Green (As per agreement between purchaser & Manufacturer)																						
	ELECTRICAL DATA																							
	Max.D.C.resistance at 20deg.c.	ohm/km	12.1	7.41	4.61	3.08	1.83	1.15	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.047	0.0366	0.0283	0.0221	0.0176	
	A.C. resistance at 70 deg C	ohm/km	14.520	8.892	5.532	3.696	2.196	1.380	0.872	0.629	0.464	0.322	0.232	0.184	0.149	0.119	0.090	0.072	0.056	0.044	0.034	0.027	0.021	
6	Min. Insulation Resistance @70 ⁰ C	MΩ.km	0.010	0.0099	0.0082	0.0070	0.0067	0.0056	0.0053	0.0046	0.0046	0.0040	0.0039	0.0035	0.0035	0.0035	0.0034	0.0033	0.0031	0.0030	0.0027	0.0024	0.0023	
	CABLE DATA																							
	Drum Length	mtrs	100 mtrs Rolls/Wooden Drums (As applicable)																					
	Packing drum/Roll Length	As per drum/Roll schedule																						
	Tolerance on individual drum/Rolls	± 2 %																						
	Overall order Qty tolerance	± 2 %																						
	Marking (Printing Or Embossing)																							
	* The distance the end of the mark and the beginning of the next identical mark does not exceed 275mm.	KEI(SLV) BASEC 450/750 V, H07V-R, 1C x XX SQMM,BS EN 50525-2-31, MADE IN INDIA YEAR OF MFG.																						
Note For marking details, Please Refer marking clause of BS EN 50525-2-31 & Clause No 6 of BS EN 50525-1 for additional required details																								
KEI Industries Ltd.																								
Prepared : PRB												Scale: Not to scale												
Approved : SG												DOC No.: Single single H07V-R (BASEC)												
Date: 29-05-2024												Rev. 00												