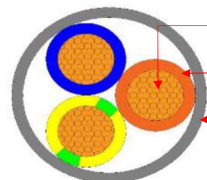


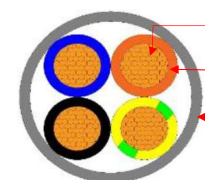
TECHNICAL DATA SHEET MULTICORE SHEATHED CABLES

Customer : Agostini's Limited
 KEI Ref No. : KEI/MUM/MEQ164/2023-24
 TDS Rev : 00

Cable Cross sectional Drawing



Copper Conductor
 PVC TI 2 Insulation
 PVC TM2 Outersheath



Copper Conductor
 PVC TI 2 Insulation
 PVC TM2 Outersheath

Cable Description :

"KEI make", 300/500 V, Flexible (Class-5) Circular Plain Annealed Copper Conductor, Extruded PVC TI 2 Insulated, Extruded PVC TM2 LV Cable manufactured to BS EN 50525-2-11 (H05VV-F)

S.No.	Descriptions	No. of Core x Cable Size	3C x 1.5 mm ²	3C x 2.5 mm ²	3C x 4.0 mm ²	4C x 1.5 mm ²	4C x 2.5 mm ²	4C x 4.0 mm ²
1	GENERAL							
	Name of Manufacture	KEI INDUSTRIES LTD						
	Country of Origin	INDIA						
	Voltage Grade Uo/U	300/500 Volts						
	Referred Standards	Generally as per BS EN 50525-2-11						
	Cable Type		H05VV-F	H05VV-F	H05VV-F	H05VV-F	H05VV-F	H05VV-F
2	CONDUCTOR							
	Material	Flexible (Class 5) , Annealed Plain Copper Conductor as per BS EN 60228						
	Cross Sectional Area	sq.mm.	1.5	2.5	4.0	1.5	2.5	4.0
	Shape		Circular	Circular	Circular	Circular	Circular	Circular
3	CONDUCTOR TEMPERATURE							
	Rated	70° C.						
	During short circuit	160° C.						
4	INSULATION							
	Material	Extruded PVC Type TI 2 Compound as per EN 50363-3						
	Thickness (Nom.)	mm	0.7	0.8	0.8	0.7	0.8	0.8
	Insulation Colour		Blue, Brown & Yellow/Green			Blue, Brown, Yellow/Green & Black		
5	SHEATH							
	Material	Extruded PVC Type TM 2 Compound as per EN 50363-4-1						
	Thickness (Nom.)	mm	0.9	1.1	1.2	1.0	1.1	1.2
	Minimum Overall Diameter	mm	7.4	9.2	10.5	8.4	10.1	11.5
	Maximum Overall Diameter	mm	9.4	11.4	13.1	10.5	12.5	14.3
	Approx Cable Weight	Kg/Km	118	177	245	150	218	304
	Colour of sheath		Grey			Grey		
6	ELECTRICAL DATA							
	Max.D.C.resistance at 20deg.c.	ohm/km	13.3	7.98	4.95	13.3	7.98	4.95
	A.C. resistance at 70 deg C	ohm/km	15.960	9.576	5.940	15.960	9.576	5.940
	Min. Insulation Resistance @70°C	MΩ.km	0.010	0.0095	0.0078	0.010	0.0095	0.0078
7	CABLE DATA							
	Drum Length	mtrs	100 mtrs coils					
	Tolerance on individual drum/Coils	± 2 %						
	Overall order Qty tolerance	± 2 %						
	Marking by Printing	KEI CABLE, 300/500 VOLTS,H05VV-F, SIZE,BS EN 50525-2-11,CE,Year of Mfg, MADE IN INDIA.						
	Min. Bending radius	12 x OD						