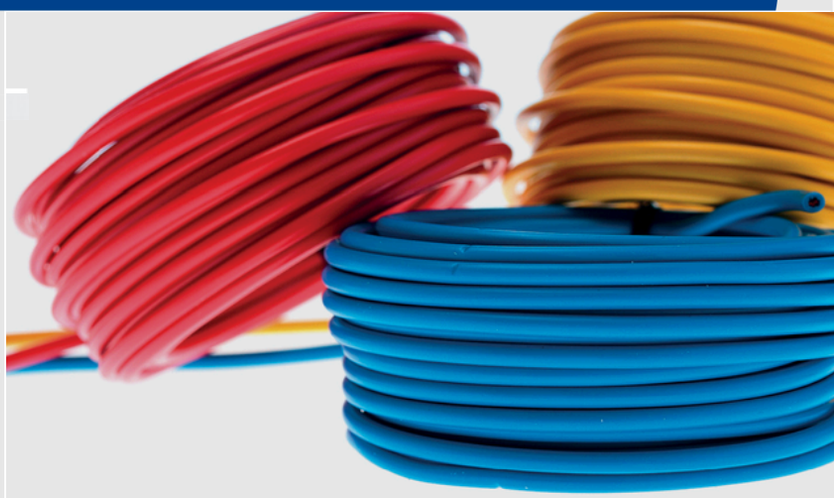
HOUSE WIRING & BUILDING CABLES

Flame Retardant PVC Insulated Non-Sheathed Single Core Cables



STANDARD:
BS 6004, KS 453

APPLICATION:
The cables are used for:
- Drawing into trunking and conduit;
- Used inside fixed, protected installations such as lighting fittings, appliances, switch gear and control gear.

CONSTRUCTION:
Solid or stranded plain copper conductor, PVC Insulated.

INSULATION COLOURS:
Red, Black and Green/Yellow, Yellow and Green or any other colours.

VOLTAGE:
450/750 (1.0mm² 300/500V)
When installed in an earthed metal enclosure, cables are suitable for voltages upto 1000V a.c. or upto 750V to earth d.c.

Maximum conductor temperature: 70°C

FLAME RETARDANT
IEC 60332-01

Flame Retardant PVC Insulated & PVC Sheathed Flat Wiring Cables

STANDARD:
BS 6004, KS 453

APPLICATION:
The cables are used for:
- Household and light industrial wiring;
- Clipped to surface on trays or in free air where there is
- minimal risk of mechanical damage;
- Laying into trunking or conduit etc. when mechanical protection is required;
  Embedded in plaster or laid in walls.

CONSTRUCTION:
Two core flat cables. Solid or stranded plain copper conductors laid parallel, PVC sheathed and PVC insulated.

CORE COLOURS:
Black and Red or any other colours.

SHEATH COLOURS:
Grey or White;
Other colours available on order.

VOLTAGE:
300/500V

Maximum conductor temperature: 70°C

PERMIT TO USE THE STANDARDIZATION MARK
THE STANDARDS ACT (CAP 496 OF THE LAWS OF KENYA)
45920

PERMIT IS GRANTED TO :
NAME OF FIRM: ASL LTD - WIRE AND CABLE DIVISION
POSTAL ADDRESS: P.O BOX 18778 NAIROBI 00500
PHYSICAL ADDRESS: mombasa road
TELEPHONE NO. : 0738714444
FAX NO. : -
E-MAIL ADDRESS : info@aslcables.co.ke

STANDARDIZATION MARK NO. : 16826
EFFECTIVE FROM: 2015-01-08
EXPIRES ON.: 2016-01-07
DATE OF ISSUE: 2015-02-04

to use the standardization mark specified in the first row hereunder upon and in respect of the commodity and brand specified in the second and third rows there of, which commodity, conform to the standard specification in the fourth row.

1	STANDARDIZATION MARK	
2	DESCRIPTION OF THE COMMODITY UPON WHICH THE STANDARDIZATION MARK IS TO BE USED	PVC INSULATED CABLES (NON-ARMOURED) FOR ELECTRIC POWER AND LIGHTING - FLAME RETARDANT
3	BRAND NAME	ASL
4	STANDARD SPECIFICATION (Number and Title)	KS 453. Kenya Standard Specification for PVC-insulated cables (non-armoured) for electric power and lighting (Third Edition).

NOTE: 1. EVERY PERMIT HOLDER SHALL PAY AN ANNUAL FEE IN RESPECT OF EACH PERMIT GRANTED OR RENEWED
2. THIS PERMIT IS ISSUED SUBJECT TO THE CONDITIONS SET OUT OVER LEAF

MANAGING DIRECTOR / AUTHORIZED OFFICER
KENYA BUREAU OF STANDARDS

KEBS Kenya Bureau of Standards
Cert-01

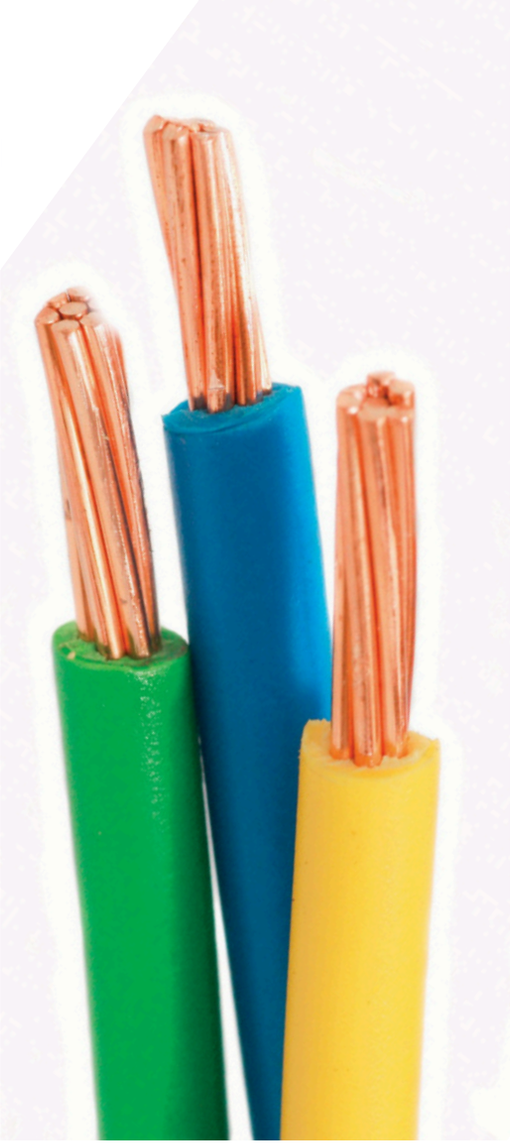
ASL LIMITED
wire & cable division

ASL Ltd (Wire & Cables Division) Factory: Old Mombasa Road, Nairobi,
P.O. Box 18778-00500, Nairobi, Kenya **Tel:** +254 719 767 149 , 0735 433 358
Email: info@aslcables.co.ke
Sales Outlet: ASL Wire & Cable Showroom, Lusaka Road, Nairobi, **Email**: sales@aslcables.co.ke
Tel: +254 719 767 149 , 0735 433 358

RAMCO GROUP

FLAME RETARDANT PVC INSULATED NON SHEATHED SINGLE CORE CABLES

Nominal Cross Sectional Area	Insulation Thickness	Number/ Diameter of Strands	Max. Conductor Resistance (U/Km)		Current Rating in Air Amps (A)		Approx. Overall Diameter	Approx. Weight
mm2	mm	No/mm	DC at 20°C	AC at 70°C	In Air	In Ducts	mm	kg/km
A-300/500V CABLES								
1.0	0.6	1/1.13	18.1	22.73	13	10	2.5	15
B-450/750V CABLES								
1.5	0.7	1/1.38	12.100	14.600	17	13	2.8	20
1.5	0.7	7/0.53	12.100	14.600	17	13	3	21
2.5	0.8	1/1.78	7.4100	8.890	24	19	3.4	31
2.5	0.8	7/0.67	7.4100	8.890	24	19	3.6	33
4.0	0.8	7/0.85	4.6100	5.510	32	23	3.9	47
4.0	0.8	1/2.25	4.6100	5.510	32	23	4.2	50
6	0.8	7/1.04	3.0800	3.680	40	29	4.4	68
6	0.8	1/2.76	3.0800	3.680	40	29	4.7	71
10	1.0	7/1.35	1.8300	2.170	57	41	6.1	117
16	1.0	7/1.70	1.1500	1.370	76	54	7.1	177
25	1.2	7/2.14	0.7270	0.860	103	70	8.8	278
35	1.2	7/2.52	0.5240	0.630	128	87	9.9	371
50	1.4	19/1.78	0.3870	0.460	156	106	11.8	514
70	1.4	19/2.14	0.2680	0.320	200	131	13.5	711
95	1.6	19/2.52	0.1930	0.230	251	166	15.7	967
120	1.6	37/2.03	0.1530	0.190	293	190	17.4	1240
150	1.8	37/2.25	0.1240	0.150	335	219	19.4	1500
185	2.0	37/2.52	0.0991	0.120	390	250	21.5	1852
240	2.2	61/2.25	0.754	0.092	471	300	24.7	2457
300	2.4	61/2.52	0.0601	0.075	540	340	27.2	2977



FLAME RETARDANT PVC INSULATED AND PVC SHEATHED FLAT WIRING CABLES

Nominal Cross Sectional Area	Insulation Thickness	Sheath Thickness	Number/ Diameter of wire			Earth Continuity Conductor Size	Max. Conductor Resistance (U/Km)		Current Rating in Air Amps (A)		Dimensions	Approx. Weight
mm^2	mm	mm	Core 1	ECC	Core 2	mm^2	DC at 20°C	AC at 70°C	In Air	In Ducts	mm	kg/km
1.0	0.6	0.8	1/1.13	1/1.13	1/1.13	1.0	18.1	22.73	13	10	7.8×4.4	69
1.5	0.7	0.9	1/1.38	1/1.38	1/1.38	1.0	12.1	14.6	17	13	8.3×4.6	82
2.5	0.8	1.0	7/0.67	7/0.67	7/0.67	2.5	7.41	8.89	24	19	9.7×5.4	120
4.0	0.8	1.0	7/0.85	7/0.67	7/0.85	2.5	4.61	5.51	32	23	12.0×6.5	175
6.0	0.8	1.1	7/1.04	7/0.67	7/1.04	2.5	3.08	3.68	40	29	13.8×7.3	240
10.0	1.0	1.2	7/1.35	7/0.85	7/1.35	4.0	1.83	2.17	57	41	17.4×8.8	300
16.0	1.0	1.3	7/1.70	7/1.04	7/1.70	6.0	1.15	1.37	76	54	23×10.1	560

Nominal Cross Sectional Area	Insulation Thickness	Sheath Thickness	Number/ Diameter of wire		Earth Continuity Conductor Size		Max. Conductor Resistance (U/Km)		Current Rating in Air Amps (A)	
mm^2	mm	mm	Core 1	Core 2	DC at 20°C	AC at 70°C	In Air	In Ducts	mm	kg/km
1.0	0.6	0.8	1/1.13	1/1.13	18.1	22.73	13	10	6.7×4.4	54
1.5	0.7	0.8	1/1.38	1/1.38	12.1	14.6	17	13	7.2×4.6	67
2.5	0.8	0.8	7/0.67	7/0.67	7.41	8.89	24	19	8.6×5.4	99
4.0	0.8	0.9	7/0.85	7/0.85	4.61	5.51	32	23	10.7×6.5	150
6.0	0.8	0.9	7/1.04	7/1.04	3.08	3.68	40	29	12.7×7.3	205
10.0	1.0	0.9	7/1.35	7/1.35	1.83	2.17	57	41	14.9×8.8	325
16.0	1.0	1.0	7/1.70	7/1.70	1.15	1.37	76	54	17.2×10.1	465