

**SINGLE CORES THERMOPLASTIC INDOOR FLEXIBLE CABLE
(PVC INSULATED)
NYAF - 450/750 VOLT**



Feature

These low voltage flexible cables are applied for drying rooms, fixed installation and distribution panel instead of NYA cable

CONSTRUCTION

Conductor

Stranded annealed copper conductor with cross section 0.5 mm² up to 400 mm²

Insulation

Extruded colored PVC, capable for the operating continuously maximum temperature of the cable.

Color : Green/Yellow, Blue, Red, Black and Yellow.

Specification : SPLN 42-3 : 1992 & SNI 04-3236-1992

(Other specifications are available upon request)

PHYSICAL AND ELECTRICAL PROPERTIES

Nom. cross section	Maximum diameter of wire	Insulation thickness	Approx. overall diameter	Approx. cable weight	Resistance at 20°C		Current carrying capacity		Short circuit current at 1 sec.	AC voltage test	Standard length
					Conductor	Insulation	In pipe 30°C	In air 30°C			
mm ²	mm	mm	mm	kg/km	ohm/km	M.ohm.km	A	A	kA	kV/5 min	m
0.5	0.21	0.6	2.6	10	37.1	65	2.5	-	0.06	2.5	100
0.75	0.21	0.6	2.8	13	24.7	58	7	-	0.09	2.5	100
1	0.21	0.6	3.0	16	18.5	53	11	19	0.12	2.5	100
1.5	0.26	0.7	3.5	23	12.7	50	15	24	0.17	2.5	100
2.5	0.26	0.8	4.2	36	7.6	46	20	32	0.29	2.5	100
4	0.31	0.8	4.8	51	4.71	40	25	41	0.46	2.5	100
6	0.31	0.8	6.3	73	3.14	36	33	53	0.70	2.5	100
10	0.41	1.0	7.6	116	1.82	32	45	72	1.16	2.5	100
16	0.41	1.0	8.8	180	1.16	23	60	97	1.86	2.5	100
25	0.41	1.2	11.0	275	0.743	23	82	128	2.91	2.5	500
35	0.41	1.2	12.5	385	0.527	20	102	156	4.07	2.5	500
50	0.41	1.4	14.5	550	0.368	19	131	195	5.81	2.5	500
70	0.51	1.4	17.0	750	0.259	17	164	243	8.14	2.5	500
95	0.51	1.6	19.0	1,000	0.196	16	205	287	11.05	2.5	500
120	0.51	1.6	21.0	1,240	0.153	15	233	342	13.95	2.5	500
150	0.51	1.8	23.5	1,550	0.123	15	-	386	17.44	2.5	500
185	0.51	2.0	26.0	1,900	0.101	14	-	441	21.51	2.5	500
240	0.51	2.2	29.5	2,450	0.0763	14	-	520	27.91	2.5	500
300	0.51	2.4	32.5	3,025	0.0611	13	-	605	34.88	2.5	500
400	0.51	2.6	37.5	4,000	0.0463	13	-	725	46.51	2.5	500