

# MIRACLE CABLES (INDIA) PVT. LTD.

## UNINYVIN CABLES SPECIFICATIONS:

These Cables are used for Air Craft Wiring, Panel of UPS systems. The cables are suitable for use where, in continuous service, no combination of ambient temperature and conductor current produces a stabilized conductor temperature in excess of 105° C

Standard As per KSD-07-73.

"Poly-Flex" Single Core, Annealed Tinned Copper Conductor, H. R. PVC Insulation & Nylon sheath / Braided with Lacquer.

### KIRLOSKAR SPECIFICATION:

As per KSD-07-073 Date:19-06-1993

Table-1

Cable	Cross Section Area	Conductor Diameter "MM"	Radial Thickness of PVC "MM"	Overall Diameter " MM'	Resistance at 20° C "Ω/900M "	Max. Current rating *
Code	"Sq.mm."	Max.	Min.	Max.	Max.	Amps.
22	0.347	0.838	0.2286	2.00	49.66	14
20	0.556	1.04	0.2286	2.30	30.95	18
18	0.966	1.32	0.2286	2.50	17.82	23
16	1.17	1.55	0.2286	2.80	14.70	27
14	2.05	1.95	0.2794	3.40	8.41	40
12	3.22	2.43	0.2794	3.80	5.35	55
10	5.33	3.15	0.381	5.00	3.23	78
8	8.76	4.24	0.381	6.30	1.97	111
6	13.3	5.54	0.381	7.50	1.30	148
4	21.5	6.90	0.4826	9.30	0.802	205
2	33.3	8.76	0.4826	11.00	0.517	256
1	40.7	9.75	0.5588	12.20	0.423	282
0	53.0	10.97	0.635	13.70	0.325	308
00	68.3	12.44	0.6858	15.40	0.252	346
000	84.2	13.91	0.762	16.90	0.204	384
0000	109.00	15.62	0.7874	18.70	0.158	450

Note : \* Current Rating as per KSD-07-073 Table-1.

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UNINYVIN TYPE ELECTRICAL CABLES FOR AIRCRAFT AS PER BS G.177 1961, & KSD-07-73-1993.

[The maximum permissible conductor temperature is 105° C ]

**BRITISH STANDARDS BS G 177, March, 1961.  
NYVIN TYPE ELECTRICAL CABLES FOR AIRCRAFT.**

**Table-2**

Cable	Cross Section Area	Conductor		Radial Thickness of PVC "Inch"	Overall Diameter "MM"	Resistance at 20° C "Ω/900M"	Max. Current rating
		No. of wires	Nominal Diameter				
Code	"Sq.mm."		Inch	Min.	Max.	Max.	Amps.
22	0.347	19	0.006	0.009	2.00	49.66	11
20	0.556	19	0.0076	0.009	2.30	30.95	14
18	0.966	33	0.0076	0.009	2.50	17.82	18
16	1.17	40	0.0076	0.009	2.80	14.70	21
14	2.05	70	0.0076	0.011	3.40	8.41	31
12	3.22	110	0.0076	0.011	3.80	5.35	43
10	5.33	73	0.012	0.015	5.00	3.23	61
8	8.76	120	0.012	0.015	6.30	1.97	87
6	13.3	182	0.012	0.015	7.60	1.30	115
4	21.5	294	0.012	0.019	9.30	0.802	160
2	33.3	203	0.018	0.019	11.00	0.517	200
1	40.7	248	0.018	0.022	12.20	0.423	220
0	53.0	323	0.018	0.025	13.70	0.325	240
00	68.3	416	0.018	0.027	15.40	0.252	270
000	84.2	513	0.018	0.030	16.90	0.204	300
0000	109.00	666	0.018	0.031	18.70	0.158	350