

Medium Voltage Paper Insulated Lead Alloy Covered (PILAC)

PILAC
FRPVC (red stripe)
LHPVC (blue stripe)

F1FA...
...30 001
...30 002

Primary group code
Finish code

Aluminium 1 Core
6350/11000V
Table 10
SANS 97

Size code	...naaa...	1150	1185	1240	1300	1400	1500	1630	1800	1999
Conductor size	mm ² nom	150	185	240	300	400	500	630	800	1000
Conductor diameter	mm app.	14,4	15,9	18,4	20,5	23,1	26,4	29,8	34,2	38,9
Insulated diameter	mm app.	22,4	23,9	26,4	28,5	31,1	34,3	37,8	42,2	46,9
Diameter over lead sheath	mm app.	27,5	29,0	32,0	34,0	37,0	40,5	44,0	49,0	53,5
Overall diameter	mm app.	31,0	32,5	35,0	37,0	40,5	44,0	48,0	53,0	58,0
Normal drum length	m	500	500	500	500	500	500	500	500	500
Cable mass	kg/m app.	2,5	2,7	3,2	3,6	4,2	5,0	6,0	7,1	8,5
Gross mass (drum length)	kg app.	1750	1850	2100	2300	2600	3000	3500	4050	4750
Bending radius	mm min.	775	813	875	925	1013	1100	1200	1325	1450
Current rating										
In ground	Amps	250	285	330	375	430	490	555	620	720
In ducts	Amps	230	260	300	340	390	440	500	560	640
In air	Amps	285	330	395	450	530	620	715	830	985
Positive sequence										
Resistance dc @ 20°C	Ω/km max	0,206	0,164	0,125	0,100	0,0778	0,0605	0,0469	0,0367	0,0291
ac @ 70°C	Ω/km	0,248	0,198	0,151	0,122	0,0952	0,0750	0,0594	0,0479	0,0360
Reactance	Ω/km	0,111	0,108	0,104	0,098	0,096	0,093	0,090	0,087	0,085
Impedance	Ω/km	0,272	0,225	0,183	0,156	0,135	0,118	0,108	0,099	0,092
Zero sequence										
Resistance	Ω/km	1,996	1,852	1,566	1,443	1,241	1,059	0,913	0,778	0,666
Reactance	Ω/km	0,057	0,055	0,051	0,046	0,044	0,041	0,038	0,036	0,034
Impedance	Ω/km	1,997	1,853	1,567	1,444	1,242	1,060	0,914	0,779	0,667
Short circuit ratings										
Symmetrical	kA (1sec)	13,7	17,2	22,5	28,2	36,2	46,5	60,0	76,7	96,8
Earth fault (Symmetrical limit)	kA (1sec)	3,6	3,8	4,4	4,7	5,5	6,4	7,3	8,6	9,9

Last updated January 2026

When ordering please quote: primary + size + table + finish code
e.g. F1FA 1500 30 001 0K0S



Soil thermal resistance = 1,2Km/W
Soil temperature = 25°C
Depth of burial = 800mm
Air temperature = 30°C
+5% tolerance on dimensions

POWER BY INNOVATION... INNOVATION THROUGH PARTNERSHIPS