DATA SHEET

Low Voltage PVC Bell Cables

PVC	F4DC…	Primary group code	Copper 3 Core
FRPVC SWA FRPVC (red stripe)	…111	Finish code	1900/3300V
LHPVC SWA LHPVC (blue stripe)	…212		SANS 1507

Size code	…naaa…	3010	3016
Conductor size	mm² nom	10	16
Conductor diameter	mm app.	4.0	5.0
Insulation diameter	mm app.	8.5	9.5
Bedding diameter	mm app.	20.5	22.5
Armour diameter	mm app.	23.0	25.0
Cable diameter	mm app.	26.5	28.5
Cable mass	kg/m app.	1.28	1.53
Gross mass (500 m)	kg app.	699	825
Bending radius	mm min.	265	285
Current rating			
In ground	Amps	68	88
In ducts	Amps	58	75
In air	Amps	62	82
Resistance			
dc @ 20°C	Ω/km max	1.83	1.15
ac @ 70°C	Ω/km max	2.19	1.38
Reactance	Ω/km	0.113	0.106
Impedance	Ω/km	2.193	1.380
Zero Sequence			
Resistance	Ω/km	7.982	6.855
Reactance	Ω/km	0.142	0.132
Short circuit ratings			
Symmetrical	kA (1sec)	1.274	2.027
Earth fault	kA (1sec)	3.165	3.413
(Three Phase) Volt Drop	mV/A/m	3.80	2.39

Last updated May 2006

When ordering please quote: primary + size + finish code
e.g. F4DC 3010 111

A member of the REUNERT Group

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