

Multi Core Stranded Aluminium Conductor PVC Insulated & Sheathed 600/1000V (UA) Power Cable conforming to IEC 60502 P-1

Application

Power Plants
 Industrial and Switching installations
 Secondary distribution networks
 Indoor and outdoor uses
 In open air, underground and in water
 where mechanical damage is not anticipated.

Features



Flame retardant
 Self-extinguishing
 UV resistant
 Outdoor solar applications.

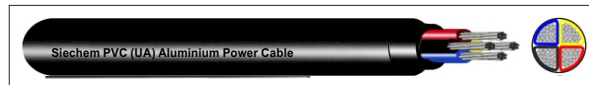
Product Construction

Conductor : Aluminium conductor complying with IEC 60228
 Insulation : PVC compound
 Bedding : PVC compound
 Outer Sheath : PVC compound - Black

Technical Data

Temperature Range:
 Flexing : -5°C to + 50°C
 Fixed Installation : -40°C to + 70°C
 Permissible short circuit : +160°C (Duration 5 secs)
 Voltage for Testing : 4 kV
 Bending Radius (Min):
 Multi Core : 12 x Cable Diameter
 Rated Voltage : U₀/U 600/1000 V
 Volume Resistivity at 27°C(Min) : 1 X 10¹³ Ohm-cm

ISO 9001	ISO 14001	OHSAS 18001	AS 9100	ISO 45001	TUV
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Part Number	No. of Cores and Cross Section Area (sq.mm)	Outer Diameter in (mm) approx.	Max. DC Conductor Resistance at 20°C (Ω/km)	Weight (Kg/Km) approx.
944ES2804	4Cx16	20.8	1.91	565
944ES3004	4Cx25	24.0	1.20	760
944ES3204	4Cx35	26.2	0.868	920
944ES3404	4Cx50	30.5	0.641	1255
944ES3704	4Cx70	34.4	0.443	1580
944ES3804	4Cx95	39.6	0.320	2100
944ES4104	4Cx120	43.2	0.253	2510
944ES4204	4Cx150	47.5	0.206	2980
944ES4404	4Cx185	53.4	0.164	3820
944ES4604	4Cx240	59.5	0.125	4750
944ES4804	4Cx300	65.4	0.100	5810
944ES4904	4Cx400	75.0	0.0778	7570

