

Single 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.

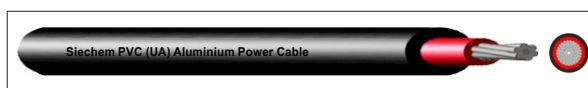
Product Construction

Conductor : Aluminium conductor complying with IEC 60228
Insulation : PVC compound
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):
Single Core : 12x 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	Number of Cores and mm ² Per Conductor	Outer Diameter in (mm) approx.	Max. DC Conductor Resistance (Ω/km)	Weight (Kg/Km) approx.
944S28XX04	1Cx16	10.2	1.91	144
944S30XX04	1Cx25	11.7	1.20	194
944S32XX04	1Cx35	12.7	0.868	233
944S34XX04	1Cx50	14.1	0.641	299
944S37XX04	1Cx70	15.7	0.443	377
944S38XX04	1Cx95	18.3	0.320	507
944S41XX04	1Cx120	19.8	0.253	601
944S42XX04	1Cx150	21.8	0.206	730
944S44XX04	1Cx185	23.9	0.164	882
944S46XX04	1Cx240	26.7	0.125	1104
944S48XX04	1Cx300	29.7	0.100	1360
944S49XX04	1Cx400	33.2	0.0778	1732
944S50XX04	1Cx500	36.6	0.0605	2110
944S51XX04	1Cx630	49.6	0.0469	2814

Note : Please replace XX in the part number as per the colour code given hereunder.

Red - 01	Yellow - 02	Blue - 03	Black - 04	Green - 05	Yellow-Green - 06	Grey - 07
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