



**HALLEY CABLES**

**3.3 kV 3 core SWA PVC cable max. 90° C**

**Medium Voltage Power Cables**

XLPE insulated, PVC sheathed cable



### **Construction:**

Conductor : plain annealed stranded compacted copper.  
Insulation : XLPE, 2.0 mm thickness.  
Bedding : PVC.  
Armour : SWA.  
Outer sheath : PVC, black.

### **Technical data and tests:**

Operating voltage : 1.9/3.3 kV.  
Max. operating temp. : 90° C.  
Min. bending radius : 8 x D.  
Conductor stranding : class 2 stranded.  
2S - shaped conductors.  
2\* - shaped or circular or circular compacted conductors.  
2 - circular or circular compacted conductors.

### **Standards:**

BS 5467 : electric cables. Thermosetting insulated, armoured cables for voltages of 0.6/1 kV and 1.9/3.3 kV.  
IEC 60502-1 : power cables with extruded insulation and their accessories for rated voltages from 1kV to 3kV (Um=3.6kV).  
BS EN 60332-1-2 : flame propagation test for single cable.

### **Applications:**

This medium voltage power cable may be used for power networks, in fixed installation outdoors, in cable ducts, or directly in the ground. The steel wire armoured cable is the accepted standard for underground installations, designed for use in mains supply electricity. These cables are provided with mechanical protection and are therefore suitable for external use, direct burial and areas where sudden mechanical stress are expected.

Any other sections available upon request.





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## DIMENSIONS

Size mm <sup>2</sup>	Conductor class	Nominal diameter over laid up core mm	RT of bedding mm	Diameter over bedding mm	Diameter of armour wire mm	Diameter over armour mm	Approx overall diameter mm	Weight kg/km	Gland type / size CIW- CIEL
16	2	19,8	1	21,9	1,6	25,2	28,9	1780	32
25	2	23,1	1	25,2	1,6	28,5	32,2	2280	32
35	2*	25,7	1	27,8	1,6	31,1	35	2770	40
50	2S	24	1,2	26,5	2	30,6	34,7	3220	40
70	2S	27,1	1,2	29,6	2	33,7	38	4020	40
95	2S	30,2	1,2	32,7	2	36,8	41,4	4960	50S
120	2S	32,9	1,4	35,8	2,5	40,9	45,7	6300	50S
150	2S	35,3	1,4	38,3	2,5	43,5	48,5	7380	50
185	2S	42,9	1,4	41,5	2,5	46,7	51,9	8640	50
240	2S	42,9	1,6	46,3	2,5	51,5	56,9	10660	63S
300	2S	47	1,6	50,4	2,5	55,6	61,2	12670	63
400	2S	52,1	1,6	55,4	2,5	60,6	66,6	15960	75S

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