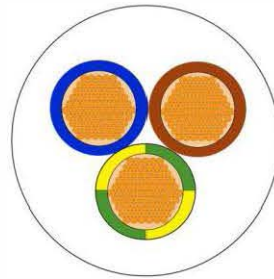


Datasheet

**RS Pro 3 Core 1.5 mm² Mains Power Cable, White
Silicone Rubber Sheath 25m, 20 A 450 V, High
Temperature H05VVH8-F
RS Stock No: 744-0981**



CONSTRUCTION

Conductor

SIAF/GL - Class 5 flexible tinned copper conductor according to BS EN 60228 (previously BS 6360)

Sheath Colour White

CABLE STANDARDS

Generally to BS EN 50525-2-41





TECHNICAL SPECIFICATION

S.No.	Performance Items		Technical Data	
1	General	Unit		
a)	Name of Manufacturer/Trade Mark		RS Components	
b)	Cable Type/Code		YGG	
c)	No. of Cores and Cross-Sectional Area of Conductor		3Ø0.75	3Ø1.6
d)	Nominal Voltage Uo/U	V	450/750	
e)	Execute Standards(Non-identical adoption)			
2	Construction Dimensions			
2.1	Conductor			
a)	Material		annealed tinned copper wires	
b)	In accordance with Standards		class 5.5 per IEC60228	
c)	Nom. Cross-Sectional Area	mm ²	10.0	1.5
d)	No. of Wire/dia of Wire in Conductor	(Nos./mm)	30/0.25	30/0.25
e)	Nominal Diameter	mm	1.65	1.65
2.2	A Layer of Isolation Over Conductor			
a)	Material	mm	Polyester tape	
2.3	Insulation			
a)	Material		Silicone Rubber	
b)	Average Thickness	mm	0.8	0.8
c)	Di. Over Core	mm	3.15	3.15
d)	Core Identification		Blue, Brown & G/Y	Blue, Brown & G/Y
2.4	Outer Sheath			
a)	Material		Silicone Rubber	
b)	Nominal Thickness	mm	1.2	1.2
c)	Min.Thinness Thickness	mm	0.92	0.92
d)	Sheath Diameter	mm	9.2	9.2
e)	(+/-)Tolerance	mm	±1.0	±1.0
3	Electricity Data			
3.1	Max.DC Resistance at 20°C.	Ω/m	13.70	13.70
3.3	Voltage Test		2200V/5min, not punctured	
3.4	Rated current	A	20	20
4	Engineering Data			
4.1	Cable Operation Temperature Range			
a)	Nominal Operation	Deg.C	-40~+180	-40~+180