



# Garden Lighting Cables

**Figure 8 Cable Parallel webbed V90**  
**V90 PVC Insulation to AS3191**

***RoHS Compliant***

**Application:** General Garden Lighting systems  
**Conductor:** Plain Copper Conductor to AS1125  
**Insulation:** V90 to AS3191 UV Stabilized  
**Colors:** Black  
**Pack Size:** 100mt and 500mt.

Code	Number of Cores	Number of Strands x wire Ø mm	Nominal Area mm <sup>2</sup>	Average Insulation Thickness mm	Average Sheath Thickness mm	OFHC	Nominal O.D. mm	Mass Kg/100mt
						Max D.C. Resistance at 20° C m Ω/mt		
<b>FGL224020 *</b>	2	24/0.20	0.75	0.60	-	<b>25.23</b>	2.45x5.20	2.35
<b>ATS226030</b>	2	26/0.30	1.84	0.55	0.55	<b>10.15</b>	3.90x6.60	5.70
<b>ATS241030</b>	2	41/0.30	2.90	0.65	0.60	<b>6.43</b>	4.60x8.00	8.40
<b>ATS265030</b>	2	65/0.30	4.59	0.75	0.75	<b>4.06</b>	5.50x9.30	12.56
<b>FGL265030</b>	2	65/0.30	4.59	1.00	-	<b>4.06</b>	5.00x10.30	13.00
<b>FGL2104020</b>	2	104/0.20	3.3	0.80	-	<b>5.82</b>	4.25x9.00	9.60
<b>FGL284030</b>	2	84/0.30	6	1.00	-	<b>3.30</b>	5.35x11.30	16.10
<b>FGL2192020</b>	2	192/0.20	6	1.00	-	<b>3.30</b>	5.35x11.30	16.10
<b>FGL2320020</b>	2	320/0.20	10	1.00	-	<b>1.91</b>	6.00x12.60	24.90

**NOTE: NOT SUITABLE FOR CONNECTION TO MAINS POWER SUPPLY.**

**\* NO POLARITY IDENTIFICATION**

OFHC ( oxygen free high conductivity copper ) is employed in audio and industrial electronic units.

Features:

**1. High electric and thermal conductivity**

Since OFHC contains oxygen and impurities in very small quantities only, it shows excellent electric conductivity and thermal conductivity  
 ( Oxygen and impurities reduce the conductivity )

**2. Excellent hydrogen embrittlement resistance**

( TPC ) Tough pitch copper becomes very brittle  
 when it is heated at higher than 600° C under a reduction gas atmosphere including hydrogen gas.  
 Since OFHC contains a very low oxygen content only, it does not show any brittleness

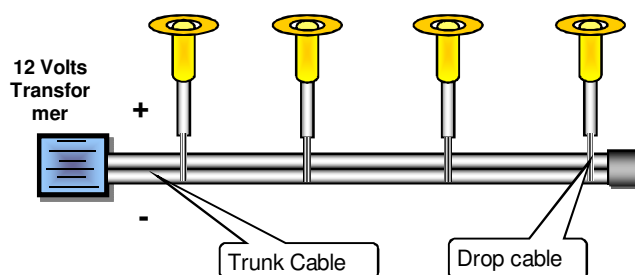
**Please Note!**

Austech Wire & Cable Pty. Ltd. takes every precaution to ensure that the information in this publication is correct but accepts no liability of any kind and reserves the right to change any detail in this catalogue without notification.

### MAXIMUM CABLE RUN LENGTH CHART

Load in Watts	Wire Size in mm <sup>2</sup>					
	1.84	2.9	3.3	4.59	6	10
	metres	metres	metres	metres	metres	metres
20	33	52	66	81	107	155
30	22	34	42	54	120	105
40	16	26	31	40	52	81
50	14	20	24	32	42	62
60	11	17	20	27	36	54
70	-	-	-	23	30	51
80	-	-	-	20	26	45
90	-	-	-	-	24	40
100	-	-	-	-	21	36
110	-	-	-	-	-	32
120	-	-	-	-	-	30
130	-	-	-	-	-	27
140	-	-	-	-	-	25

Maximum Metres for Parallel Circuit only as shown below



**Please note the following:**

1. It is important that the Voltage Drop is kept to a maximum of 1 Volt ( ie. The voltage should not be less than 11 volts at the fixture )
2. When using 6mm<sup>2</sup> or 10mm<sup>2</sup> trunk cable, the 3.3mm<sup>2</sup> drop cable can be a maximum of 6mt from the main trunk line
3. A larger cable will experience a lower voltage drop over the same length as a small cable

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