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# Composite Cable

## Part No: MCP2ISE

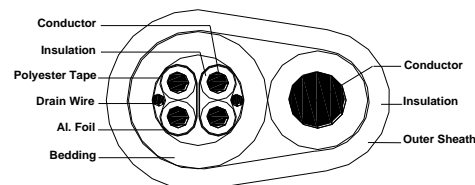
Description	Composite cable consisting of:
	<ul style="list-style-type: none"> <li>One 2 pair, 22AWG Stranded TACW, PP Insulation, Twinned, Individual pair screened with individual 24 AWG TAC drain wires, overall PVC jacketed, data cable plus</li> <li>One 14AWG Stranded PACW, Single Core, PVC Insulated earth wire,</li> </ul> <p>Combined in a single cable and overall PVC Outer Sheathed. BEP certified for use in Greenstar applications.</p>
Applicable Standards	AS/ACIF S008
Suitable Applications	A range of cables with composite cores have been designed and manufactured to meet individual customer needs.

### Cable Construction Drawing



Picture shown for illustration only.  
See packing table for additional jacket colours

### Cable Construction Relative Parts



### Cable Description

22WAG x 2P :

Conductor	AWG	Standing	Area(mm <sup>2</sup> )	Diameter(mm)	Material
	22	7/0.25	0.34	0.76	TACW

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Insulation	Pairs : 2 Material : PP Colour : Black/Red, Green/White Nominal Thickness (mm) : 0.2 Nominal OD (mm) : 1.2				
Individual Screens	Material : Al. Polyester Tape			Coverage : 100%	
Drain Wires	AWG	Standing	Area(mm <sup>2</sup> )	Diameter(mm)	Material
	24	7/0.20	0.22	0.60	TACW
Inner Sheath	Material : PVC Colour : Grey Nominal Thickness (mm) : 0.55 Nominal OD (mm) : 5.0				

14AWG X 1C :

Conductor	AWG	Standing	Area(mm <sup>2</sup> )	Diameter(mm)	Material
	14	50/0.25	2.5	2.04	PACW
Insulation	Core : 1 Material : PVC Colour : Yellow/Green Stripe Nominal Thickness (mm) : 0.75 Nominal OD (mm) : 3.6				
Outer Sheath	Material : PVC Colour : Grey Nominal Thickness (mm) : 0.75 Nominal OD (mm) : 6.8 x 10.2				

### Electrical Properties

22WAG x 2P :

Voltage Rating	ELV
Max. Conductor DC Resistance @ 20°C	55Ω/km
Min. Insulation Resistance @ 20°C	1,000MΩ.km
Voltage Test: Conductor to core	1.5 kV ac/1min
Voltage Test: Core to sheath	3.0 kV ac/1min
Voltage Test: Shield to sheath	3.0 kV ac/1min

14AWG X 1C :

Voltage Rating	ELV
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Max. Conductor DC Resistance @ 20°C	7.3Ω/km
Min. Insulation Resistance @ 20°C	1,000MΩ.km
Voltage Test: Conductor to core	1.5 kV ac/1min

### Mechanical Properties

Operating Temperature Range	-15 to 70°C
Max. Recommended Pulling Tension	267N
Min. Bend Radius (install)	68mm
Approximate Mass	11.35kg/100m

Sheath Printing	 GARLAND COMPOSITE CABLE MCP2ISE - 2 PAIR 22 AWG + 14 AWG EARTH - MM/YYYY - "Mmark"
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### Supply Information

Pack Size	Pack Type	Dimensions	Qty Per Carton	Cartons Per Pallet
100m	Wooden Reel	W28 x 21.8cm	1R	
500m	Wooden Reel	W50 x 39.4cm	1R	

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