



garland
cables

pro series

Industrial / Power / Data / Security / Fibre

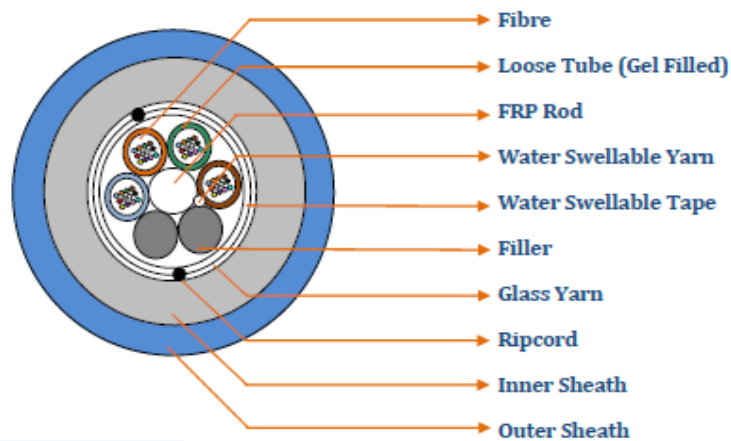
Garland's Pro Series range is the experts' choice for high quality cables.

Part No: GLT-AM series

	Termite proof cable for direct burial in highly expansive clay soils.
Description	Optical cable with 12 fibres per tube in a 6-around-1 configuration. Up to 6 jelly filled loose tubes around a central FRP strength member with "dry blocking" using Super Absorbent Polymer based materials. PE/NY jacketed
Applicable Standards	AS/CA S-008, IEC 60794, AS 1049
Suitable Applications	Designed primarily for outdoor applications such as a trunk, distribution or feeder cable for local loop, metropolitan and long haul applications. This cable has been designed with higher tensile and crush resistance when compared to standard optical fibre cables. The higher tensile and crush resistance make it suitable for direct burial in highly expansive clay soils. Not intended or suited to indoor applications except as allowed in S-009 for an outdoor cable.

Optical Fibre Cable

Cable Cross Sectional Drawing –



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Sales Enquiries 1800 66 99 99
www.garlandcables.com.au

GLT-AM Series 180815





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Cable Construction		
Tube Details	Material :	PBT
Strength Member	Material:	FRP
Water Blocking	Over FRP Rod:	Water swellable yarn
	Over S-Z core:	Water swellable tape
Rip Cords	Material	Aramid
	Number of Cords	As required
Inner Sheath	Material	HDPE
	Colour	Black
	Nominal Thickness	1.5 mm
Outer Sheath (Termite Barrier)	Material	Nylon
	Colour	Blue
	Minimum Thickness	0.35 mm
	Nominal Diameter	15.5 mm
Cable Weight	175 kg/km	

Mechanical/Environmental Properties		
Property	Limit	Standard
Tensile Strength	6 KN	IEC 60794-1-2-E1
Crush Resistance	6 KN/100mm	IEC 60794-1-2-E3
Impact Strength	1.5 N.m	IEC 60794-1-2-E4
Torsion	± 360°	IEC 60794-1-2-E7
Kink	10 x Diameter	IEC 60794-1-2-E11
Minimum Bend Radius – Loaded	20 x Diameter	IEC 60794-1-2-F5
Water Penetration Test	1 meter water head 3 metre cable sample 24 hour duration No water leaks	IEC 60794-1-2-F5
Temperature Cycling	-30°C to +70°C	IEC 60794-1-2-F1

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Part Numbering

Part Number	Fibre Type	Number of Fibres	Number of Tubes	Number of Fillers
GLTSM1AM006BE	G652D	6	1	5
GLTSM1AM012BE	G652D	12	1	5
GLTSM1AM024BE	G652D	24	2	4
GLTSM1AM036BE	G652D	36	3	3
GLTSM1AM048BE	G652D	48	4	2
GLTSM1AM060BE	G652D	60	5	1
GLTSM1AM072BE	G652D	72	6	0

Colour Coding

Fibre and Tube Colors	1	2	3	4	5	6	7	8	9	10	11	12
EIA/TIA 598	Bl	Or	Gr	Br	Sl	Wh	Rd	Bk	Yl	Vt	Pk	Aq

Supply Information

Pack Size	Pack Type	Dimensions	Weight
4km	Wooden drum	TBA	TBA

Longer lengths subject to negotiation

- Madison reserves the right to make changes to the products described in this specification without prior notice
- All values subject to factory tolerances

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