



garland
cables

pro series

Industrial / Power / Data / Security / Fibre

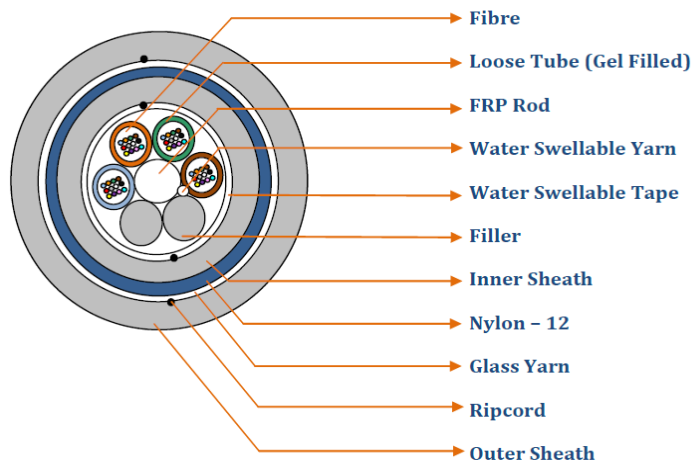
Garland's Pro Series range is the experts' choice for high quality cables.

Part No: **GLT-Ai series**

Description	Rodent and termite resistant cable – PE jacketed core with Nylon termite barrier covered with a Non metallic rodent resistant armour (Glass yarns) and then overall PE jacketed. 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/NMA/PE 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. 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
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GLT-Ai Series 200925





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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 Jacket	Material	HDPE
	Colour	Black
	Nominal Thickness	1.3mm
Termite Barrier	Material	Nylon
	Colour	Blue
	Minimum Thickness	0.45 mm
Rodent Barrier	Material	Glass yarns
Outer Sheath	Material	HDPE
	Colour	Black
	Nominal Thickness	1.5 mm
	Overall Diameter	14.5 mm
Nominal Cable Weight	200 kg/km	

Mechanical/Environmental Properties		
Property	Limit	Standard
Tensile Strength	3.0 KN	IEC 60794-1-2-E1
Crush Resistance	2 KN/100 mm	IEC 60794-1-2-E3
Impact Strength	10 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

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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

Part Numbering

Part Number	Fibre Type	Number of Fibres	Number of Tubes	Number of Fillers
GLTSM1Ai006BK	G652D	6	1	5
GLTSM1Ai008BK	G652D	8	1	5
GLTSM1Ai012BK	G652D	12	1	5
GLTSM1Ai024BK	G652D	24	2	4
GLTSM1Ai036BK	G652D	36	3	3
GLTSM1Ai048BK	G652D	48	4	2
GLTSM1Ai060BK	G652D	60	5	1
GLTSM1Ai072BK	G652D	72	6	0
GLTOM1Ai006BK	OM1	6	1	5
GLTOM1Ai008BK	OM1	8	1	5
GLTOM1Ai012BK	OM1	12	1	5
GLTOM1Ai024BK	OM1	24	2	4
GLTOM1Ai036BK	OM1	36	3	3
GLTOM1Ai048BK	OM1	48	4	2
GLTOM1Ai060BK	OM1	60	5	1
GLTOM1Ai072BK	OM1	72	6	0

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Part Numbering

Part Number	Fibre Type	Number of Fibres	Number of Tubes	Number of Fillers
GLTOM3Ai006BK	OM3	6	1	5
GLTOM3Ai008BK	OM3	8	1	5
GLTOM3Ai012BK	OM3	12	1	5
GLTOM3Ai024BK	OM3	24	2	4
GLTOM3Ai036BK	OM3	36	3	3
GLTOM3Ai048BK	OM3	48	4	2
GLTOM3Ai060BK	OM3	60	5	1
GLTOM3Ai072BK	OM3	72	6	0
GLTOM4Ai006BK	OM4	6	1	5
GLTOM4Ai008BK	OM4	8	1	5
GLTOM4Ai012BK	OM4	12	1	5
GLTOM4Ai024BK	OM4	24	2	4
GLTOM4Ai036BK	OM4	36	3	3
GLTOM4Ai048BK	OM4	48	4	2
GLTOM4Ai060BK	OM4	60	5	1
GLTOM4Ai072BK	OM4	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

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Supply Information

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

+/- 5% tolerance on ordered drum lengths.
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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