



garland
cables

pro series

Industrial / Power / Data / Security / Fibre

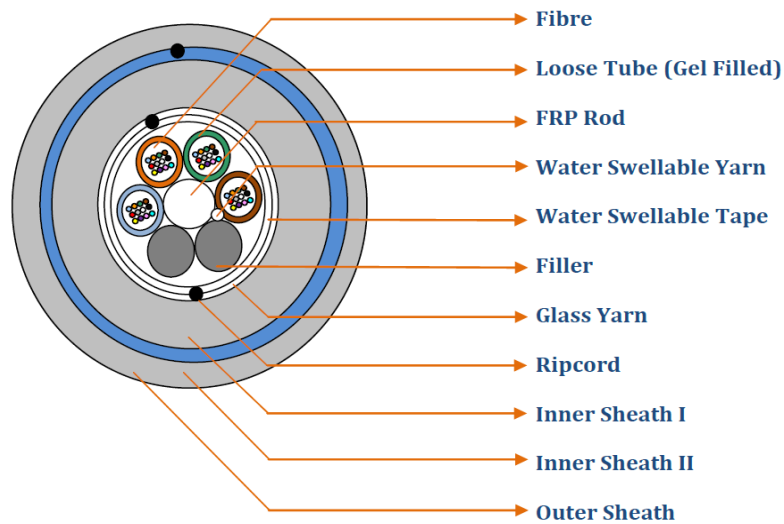
Garland's Pro Series range is the experts' choice for high quality cables.

Part No: GLT-AG series

Description	Termite proof cable with a sacrificial PE jacket. 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/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. This cable can be used in duct or direct burial ¹ 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 –



48 fibre cable shown. Other fibre counts are of similar construction.

¹ Direct burial of unarmoured cable may result in damage to the cable. The installer is cautioned to consider the installation conditions and terrain. Where damage to the cable is likely to occur due to rocks, soil movement or burial methods, the use of an armoured cable or ducting is recommended.

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

GLT-AG Series 220818





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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 I	Material	HDPE
	Colour	Black
	Nominal Thickness	1.3 mm
Inner Sheath II (Termite Barrier)	Material	Nylon
	Colour	Blue
	Nominal Thickness	0.45 mm
Outer Sheath	Material	UV resistant HDPE
	Colour	Black or Blue. Refer to packing table for details.
	Nominal Thickness	1.0 mm
	Nominal OD	13.0 mm
Cable Weight	120 kg/km	

Mechanical/Environmental Properties		
Property	Limit	Standard
Tensile Strength	2 KN	IEC 60794-1-2-E1
Crush Resistance	2.0 KN short term	IEC 60794-1-2-E3
Impact Strength	10 N.m	IEC 60794-1-2-E4
Torsion	± 180°	IEC 60794-1-2-E7
Minimum Bend Radius – Loaded	20 x Diameter	IEC 60794-1-2-F5

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Mechanical/Environmental Properties

Property	Limit	Standard
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

Fibre Type	Number of Fibres	Number of Tubes	Number of Fillers	Part Number- Black Outer Jacket	Part Number- Blue Outer Jacket
G652D	6	1	5	GLTSM1AG006BK	GLTSM1AG006BE
G652D	8	1	5	GLTSM1AG008BK	GLTSM1AG008BE
G652D	12	1	5	GLTSM1AG012BK	GLTSM1AG012BE
G652D	24	2	4	GLTSM1AG024BK	GLTSM1AG024BE
G652D	36	3	3	GLTSM1AG036BK	GLTSM1AG036BE
G652D	48	4	2	GLTSM1AG048BK	GLTSM1AG048BE
G652D	60	5	1	GLTSM1AG060BK	GLTSM1AG060BE
G652D	72	6	0	GLTSM1AG072BK	GLTSM1AG072BE
OM1	6	1	5	GLTOM1AG006BK	GLTOM1AG006BE
OM1	12	1	5	GLTOM1AG012BK	GLTOM1AG012BE
OM1	24	2	4	GLTOM1AG024BK	GLTOM1AG024BE
OM1	36	3	3	GLTOM1AG036BK	GLTOM1AG036BE
OM1	48	4	2	GLTOM1AG048BK	GLTOM1AG048BE
OM1	60	5	1	GLTOM1AG060BK	GLTOM1AG060BE
OM1	72	6	0	GLTOM1AG072BK	GLTOM1AG072BE

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Part Numbering

Fibre Type	Number of Fibres	Number of Tubes	Number of Fillers	Part Number- Black Outer Jacket	Part Number- Blue Outer Jacket
OM3	6	1	5	GLTOM3AG006BK	GLTOM3AG006BE
OM3	12	1	5	GLTOM3AG012BK	GLTOM3AG012BE
OM3	24	2	4	GLTOM3AG024BK	GLTOM3AG024BE
OM3	36	3	3	GLTOM3AG036BK	GLTOM3AG036BE
OM3	48	4	2	GLTOM3AG048BK	GLTOM3AG048BE
OM3	60	5	1	GLTOM3AG060BK	GLTOM3AG060BE
OM3	72	6	0	GLTOM3AG072BK	GLTOM3AG072BE
OM4	6	1	5	GLTOM4AG006BK	GLTOM4AG006BE
OM4	12	1	5	GLTOM4AG012BK	GLTOM4AG012BE
OM4	24	2	4	GLTOM4AG024BK	GLTOM4AG024BE
OM4	36	3	3	GLTOM4AG036BK	GLTOM4AG036BE
OM4	48	4	2	GLTOM4AG048BK	GLTOM4AG048BE
OM4	60	5	1	GLTOM4AG060BK	GLTOM4AG060BE
OM4	72	6	0	GLTOM4AG072BK	GLTOM4AG072BE

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, 4 & 6 km	Wooden drum	TBA	TBA

Longer lengths subject to negotiation.

Manufacturing tolerance applicable to all custom ordered lengths.

- 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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