pro series

Industrial / Power / Data / Security / Fibre

garland cables

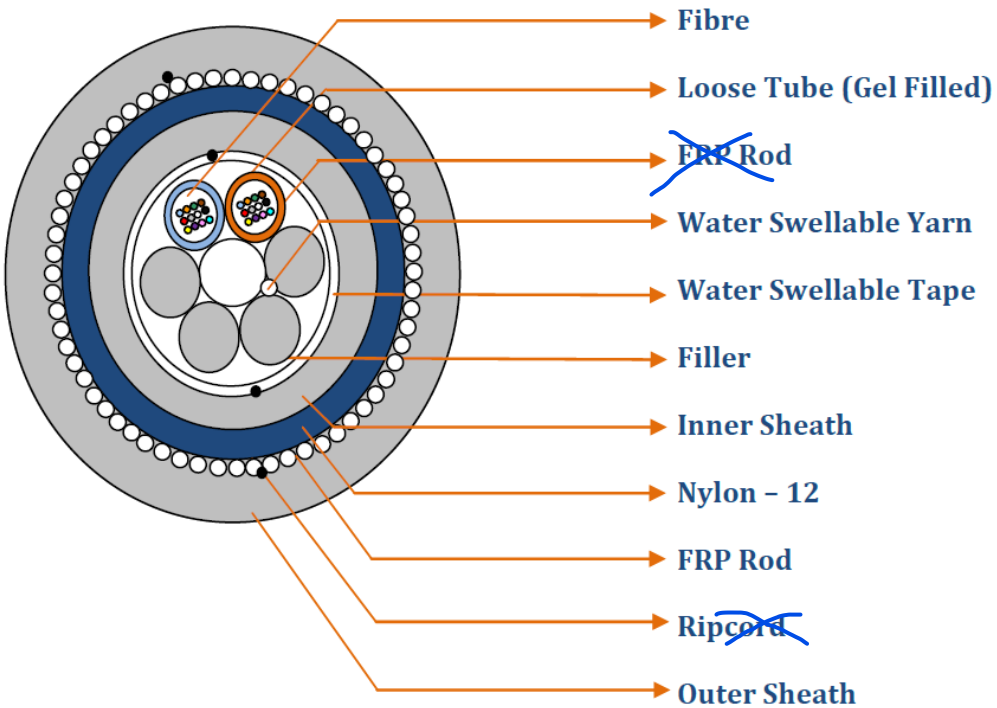
Garland's Pro Series range is the experts' choice for high quality cables.

Optical Fibre Cable

Part No: **GLT-AS Series**

Description	Armoured, rodent and termite resistant cable – Nylon termite barrier under Fibre Reinforced Plastic armour. Where xxx is the number of fibres. Up to 72 Fibres 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/FRP/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.

Cable Cross Sectional Drawing – For illustration purposes only



RODS AND RIPCORD SHOWING INCORRECT

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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	Polyester
	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
	Minimum Thickness	0.45 mm
Armouring (Rodent Barrier)	Material	FRP Rod
Outer Sheath	Material	HDPE
	Colour	Black
	Nominal Thickness	1.5 mm
	Nominal OD	16 mm
Cable Weight	220± 25 kg/km	

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1. NSWfT CAMP bb-4kN, AERIAL-6kN

2. NSWfT CAMP bb 4kN; AERIAL 2kN

3. PRYSMIAN & AFL MIN BEND UNDER LOAD 30XOD

PRYSMIAN REFER TO IEC:60794-1-21 & 22

AFL offer Glass Yarns- VAGUE WITH SPEC REFERENCES

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Mechanical/Environmental Properties

Property	Limit	Standard
Tensile Strength	1. 3.5 KN	IEC 60794-1-2-E1
Crush Resistance	2. 2 KN	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	3. 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	-40°C to +70°C	IEC 60794-1-2-F1

Fibre and Tube Colours	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

Part Numbering

Part Number	Fibre Type	Number of Fibres	Number of Tubes	Number of Fillers
GLTSM1AS008BK	G652D	6	1	5
GLTSM1AS012BK	G652D	12	1	5
GLTSM1AS024BK	G652D	24	2	4

Supply Information

Pack Size	Pack Type	Dimensions	Weight
2, 4 and 6 km ± 5%	Wooden drum	TBA	TBA

Longer lengths subject to negotiation