

Optical Fibre Cable

Part No: GLTxxAS-series

Description

Non-metallic armoured, rodent and termite resistant optical fibre cable – Up to 6 jelly filled loose tubes, containing up to 12 fibres per tube, laid up around a central FRP strength member, dry water blocked, inner PE jacket, Nylon termite barrier, FRP rodent resistant armour, outer PE jacket, UV stabilized cable for outdoor and underground use.
PE/NY/FRP/PE jacketed.

The maximum fibre count for this structure is 72.

For larger fibre counts refer to GLT-KS and GLT-BS series.

Applicable Standards

AS/CA S-008, IEC 60794, AS 1049, AS/NZS 11801,

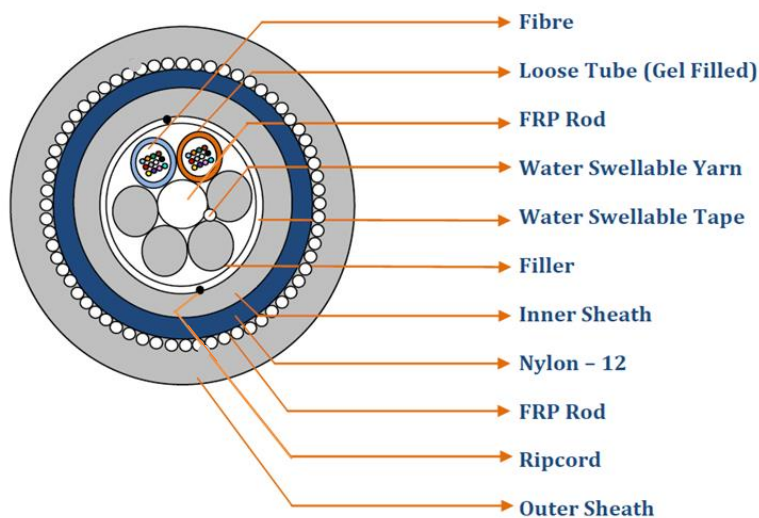
Suitable Applications

Designed primarily for outdoor applications such as a trunk, distribution or feeder cable for local loop, metropolitan and long-haul applications.

May be direct buried subject to proper consideration of mechanical limitations of the design.

Not intended or suited to indoor applications except as allowed in S-009 for an outdoor cable.

Images



Images for illustration purposes only



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Construction												
Strength Member	Material						FRP					
Tube Details	Material						PBT					
	OD						2 mm					
	Water blocking						Jelly					
Fibre & Tube colours (EIA/TIA 598)	1	2	3	4	5	6	7	8	9	10	11	12
	BL	OR	GN	BR	GY	WH	RD	BK	YL	VT	PK	AQ
Stranding	Configuration						6 around 1					
	Nos of tubes and fillers						Refer to Part Numbering Table					
	Water blocking						Water swellable threads and tapes as necessary to meet requirements					
Rip Cords	Material						Aramid or high strength polyester					
Inner Sheath 1	Material						HDPE – UV Stabilized					
	Colour						Black					
	Nominal Thickness						1.3mm					
Inner Sheath 2 (termite barrier)	Material						Nylon– UV Stabilized					
	Colour						Blue					
	Nominal Thickness						0.45mm					
Armouring	Material						FRP Rods (non-metallic)					
Outer Sheath	Material						HDPE – UV Stabilized					
	Colour						Black					
	Nominal Thickness						1.5mm					
	Nominal OD						16.0mm					
Cable Weight							220 kg/km					

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Construction

Drum Lengths ¹	Standard	2 and 4 km Wooden Drums
	Tolerance	± 5%

Mechanical Properties

Property	Limit	Standard
Tensile Strength	3.5 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
Water Penetration Test	1 metre 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

¹ Non standard drum lengths subject to negotiation. MoQ's may apply for non-stocked items.

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Part Number Information

Part Number	Fibre Type	No. of Fibres	No. of Tubes	No. of Fillers
GLTSM1AS006BK	G652D	6	1	5
GLTSM1AS008BK	G652D	8	1	5
GLTSM1AS012BK	G652D	12	1	5
GLTSM1AS024BK	G652D	24	2	4
GLTSM1AS036BK	G652D	36	3	3
GLTSM1AS048BK	G652D	48	4	2
GLTSM1AS060BK	G652D	60	5	1
GLTSM1AS072BK	G652D	72	6	0
GLTOM1AS006BK	OM1	6	1	5
GLTOM1AS012BK	OM1	12	1	5
GLTOM1AS024BK	OM1	24	2	4
GLTOM1AS036BK	OM1	36	3	3
GLTOM1AS048BK	OM1	48	4	2
GLTOM1AS060BK	OM1	60	5	1
GLTOM1AS072BK	OM1	72	6	0
GLTOM3AS006BK	OM3	6	1	5
GLTOM3AS012BK	OM3	12	1	5
GLTOM3AS024BK	OM3	24	2	4
GLTOM3AS036BK	OM3	36	3	3
GLTOM3AS048BK	OM3	48	4	2
GLTOM3AS060BK	OM3	60	5	1
GLTOM3AS072BK	OM3	72	6	0

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Part Number Information

Part Number	Fibre Type	No. of Fibres	No. of Tubes	No. of Fillers
GLTOM4AG006BK	OM4	6	1	5
GLTOM4AG012BK	OM4	12	1	5
GLTOM4AG024BK	OM4	24	2	4
GLTOM4AG036BK	OM4	36	3	3
GLTOM4AG048BK	OM4	48	4	2
GLTOM4AG060BK	OM4	60	5	1
GLTOM4AG072BK	OM4	72	6	0

- 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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