



garland
cables

pro series

Industrial / Power / Data / Security / Fibre

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

Part No: GTB-AC series

Description 900 micron tight buffered optical fibre cable with up to 24 fibres cabled with water blocked aramid yarn and UV stabilized LSZH jacketed. Indoor/outdoor riser cable.

Applicable Standards AS/CA S-008, AS 1049, IEC 60794

Suitable Applications LSZH jacketed indoor/outdoor riser cable. Can be used outdoors in installations protected from weather and physical attack.

Cable Sectional Drawing

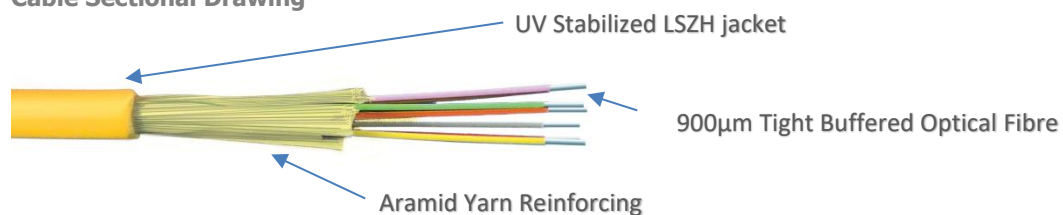


Figure for illustration purposes only. 6 fibre cable with black jacket shown. Refer to part numbering table for actual fibre counts and jacket colours.

Cable Construction

Fibre	Nos. of Strands	Fibre Spec	Strand Size	Material
	1	Refer to part numbering table	250 µm over the acrylate	125 µm glass fibre with protective acrylate
Tight Buffer	Material		LSZH	
	Dimensions		0.900 mm ± 0.005 mm	

Optical Fibre Cable

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GTB-AC series 200505 v1.1

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Fibre Colour Code			
Fibre Number	Colour	Fibre Number	Colour
1	Blue	13	Blue with black ring or stripe
2	Orange	14	Orange with black ring or stripe
3	Green	15	Green with black ring or stripe
4	Brown	16	Brown with black ring or stripe
5	Grey	17	Grey with black ring or stripe
6	White	18	White with black ring or stripe
7	Red	19	Red with black ring or stripe
8	Black	20	Black with white ring or stripe
9	Yellow	21	Yellow with black ring or stripe
10	Violet	22	Violet with black ring or stripe
11	Pink	23	Pink with black ring or stripe
12	Aqua	24	Aqua with black ring or stripe

Stranding	Nos of Fibres	Refer to part number table	
	Strength Member	Material	Water blocked aramid yarn
		Qty	As required to meet the tensile strength requirements of table below
Outer jacket	Material	UV stabilized LSZH	
	Colour	Refer to part number table	
	Overall Diameter	Refer to part number table	

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Part Number Table					
Part Number	Fibre Type	# of Fibres	Cable OD	Pulling Tension (Short Term)	Jacket Colour
GTBSM2AC04YE	G.657A1	4	4.5 mm	400N or 40kg	Yellow
GTBSM2AC06YE	G.657A1	6	5.2 mm	400N or 40 kg	
GTBSM2AC12YE	G.657A1	12	6.2 mm	500N or 50 kg	
GTBSM2AC24YE	G.657A1	24	9.0 mm	800N or 80 kg	
GTBOM1AC04OE	OM1	4	4.5 mm	400N or 40kg	Orange
GTBOM1AC06OE	OM1	6	5.2 mm	400N or 40 kg	
GTBOM1AC12OE	OM1	12	6.2 mm	500N or 50 kg	
GTBOM1AC24OE	OM1	24	9.0 mm	800N or 80 kg	
GTBOM3AC04AQ	OM3	4	4.5 mm	400N or 40kg	Aqua
GTBOM3AC06AQ	OM3	6	5.2 mm	400N or 40 kg	
GTBOM3AC12AQ	OM3	12	6.2 mm	500N or 50 kg	
GTBOM3AC24AQ	OM3	24	9.0 mm	800N or 80 kg	
GTBOM4AC04VT	OM4	4	4.5 mm	400N or 40kg	Violet
GTBOM4AC06VT	OM4	6	5.2 mm	400N or 40 kg	
GTBOM4AC12VT	OM4	12	6.2 mm	500N or 50 kg	
GTBOM4AC24VT	OM4	24	9.0 mm	800N or 80 kg	

Mechanical/Environmental Properties

Property	Limit	Standard
Torsion	± 360°	IEC 60794-1-2-E7
Minimum Bend Radius	20 x Diameter	IEC 60794-1-2-F5
Operating and Storage Temperature	-35°C to +75°C	IEC 60794-1-22-F1
Installation Temperature	-5°C to +55°C	

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Supply Information

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

- 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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