

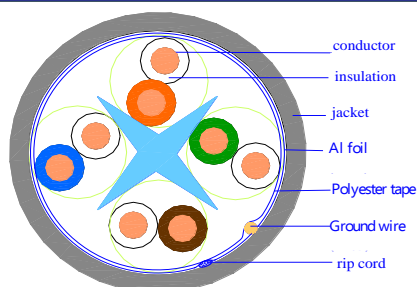
LAN Cable

Part No: FTPL6AJF

Communication / LAN / CAT6A - Cable

Description	Solid PACW, foam PE insulation, twinned, 4 pair, jelly filled, cross-web separator, overall Aluminium laminate screen with a tinned annealed drain wire, rip cord, PE overall sheath, Cat6A F/UTP underground cable. ¹
Applicable Standards	ANSI/TIA 568-C.2, ISO/IEC 11801, AS/NZS 11801.1, AS/CA S-008, AS 1049
Suitable Applications	Used for horizontal and fixed wiring in Structured cabling and computer networks operating up to 10 Gbit on Class EA links. Suitable for 10BaseT, 100BaseT, 1000BaseT and 10GBaseT. Not suitable for mains connection.

Images



See packing table for full details of jacket colour options.
Image for illustration purposes only.



Features

- Outdoor Cable
- UV Stabilized
- Screened
- Water Blocked/Underground

¹ Not intended for direct burial.

FTPL6AJF-240621

LAN Cable

Construction		
Conductor	Material	Plain Annealed Copper Wire
	Stranding	Solid
	Nominal Diameter (mm)	0.56
Insulation	Material	Foam PE
	Nominal OD (mm)	1.2
	Nominal Thickness (mm)	0.3
Twins	Number	4
	Colour	Blue + White/Blue Stripe Orange + White/Orange Stripe Green + White/Green Stripe Brown + White/Brown Stripe
Water Blocking	Material	Jelly
Screen	Material	Aluminium/PET laminate
	Application	Longitudinal and in contact with the drain wire
	Drain Wire	26AWG solid tinned annealed copper
Sheath	Material	UV Stabilized LLDPE
	Colour	Black
	Nominal Thickness (mm)	0.6
	Nominal OD (mm)	8

Electrical Properties	
Voltage Rating	ELV
Max. Conductor DC Resistance @ 20°C	≤ 7.65 Ohm/100m
Characteristic Impedance	100Ω Nominal ²
Nom. Capacitance Cond. to Cond.	< 5.6 nF/100m @ 20°C
Capacitance Unbalance	< 300 pF/100m @ 20°C

² Variation in the characteristic impedance is governed by meeting the return loss requirements of this specification.

LAN Cable

Mechanical Properties

Operating Temperature Range	-15 to 75°C
Max. Recommended Pulling Tension	100N
Min. Bend Radius (install)	80 mm
Approximate Mass	6.4kg/100m

Nominal Transimission Table

Freq (MHz)	1	4	8	10	16	20	31.2	62.5	100	200	300	500
RL (dB)	20.0	23.0	24.5	25.0	25.0	25.0	23.5	21.5	20.1	18.0	16.8	15.2
IL (dB)	2.0	3.8	5.3	5.9	7.5	8.4	10.5	15.0	19.1	27.6	34.9	45.3
NEXT (dB)	74.3	65.3	60.8	59.3	56.2	54.8	51.9	47.4	44.3	39.8	37.1	33.8
PSNEXT (dB)	72.3	63.3	58.8	57.3	54.2	52.8	49.9	45.5	42.3	37.8	35.1	31.8
ACRF (dB)	67.8	55.8	49.7	47.8	43.7	41.8	37.9	31.9	27.8	21.8	18.3	13.8
PSACRF (dB)	67.8	52.8	46.7	44.8	40.7	38.8	34.9	28.9	24.8	18.8	15.3	10.8

Supply Information

Part Number	Pack Size	Jacket Colour	Reel Size(cm)	Reels per pallet
FTPL6AJFBK305	305m	Black	F38 x W33.8	27 or 18

- Madison reserves the right to make changes to the products described in this specification without prior notice.
- All values subject to factory tolerances.

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

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