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cables

pro series

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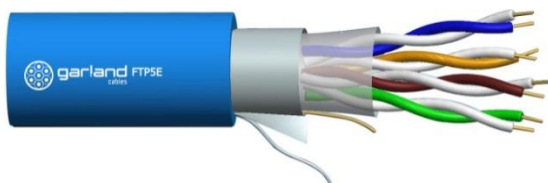
Garland's Pro Series range is the experts' choice for high quality cables.

LAN Cable

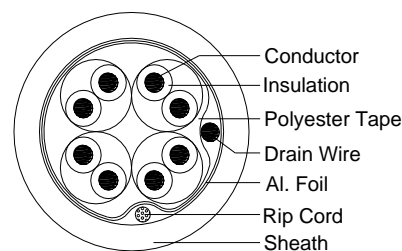
### Part No: FTP5EBL

Description	Solid 0.5 mm, 24AWG PACW, FTP, 4Pairs, PE Insulation, Aluminium Polyester Tape, Drain Wire, Rip Cord, PVC Sheath.
Applicable Standards	TIA/EIA 568 C.2, AS/CA S008, AS 1049
Suitable Applications	Used in Structured cabling for computer networks such as Ethernet.

#### Cable Construction Drawing



#### Cable Construction Relative Parts



#### Cable Description

Conductor	AWG	Standing	Area(mm <sup>2</sup> )	Diameter(mm)	Material
	24	1/0.542	0.23	0.542	PACW
Insulation	Pairs : 4		Material : PE		
	Material :		Blue/White-Blue Stripe, Orange/White-OrangeGreen/White-Green Stripe, Brown/White-Brown Stripe		
	Colour :		Nominal Thickness (mm) : 0.23		
			Nominal OD (mm) : 1.025		
Screen	Material : Al. Polyester Tape		Coverage : 100%		
Drain Wire	AWG	Standing	Area(mm <sup>2</sup> )	Diameter(mm)	Material
	26	7/0.16	0.14	0.48	TACW

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Sheath	Material : PVC Colour : Blue(Pantone 3015) Nominal Thickness (mm) : 0.60 Nominal OD (mm) : 6.5
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### Electrical Properties

Max. Conductor DC Resistance @ 20°C	93.8 Ω/km
Max. DC Conductor resistance unbalanced	5%
Characteristic Impedance	100±15%
Nom. Mutual Capacitance @ 1KHz	56 pF/m
Max. Capacitance Unbalance @ 20°C	330 pF/100m
Nominal Velocity of Propagation	70%
Min. Insulation Resistance @ 20°C	1,000 MΩ.km
Voltage Test: Conductor to core	1.5kV ac/1min
Voltage Test: Core to sheath	3.0kV ac/1min

Frequency (MHz)	0.772	1.0	4.0	8.0	10.0	16.0	20.0	25.0	31.25	62.5	100
Min. SRL (dB/100m, 20°C)	-----	23.0	23.0	23.0	23.0	23.0	23.0	22.0	21.0	18.0	16.0
Min. RL (dB/100m, 20°C)	-----	20.0	23.0	24.5	25.0	25.0	25.0	24.3	23.6	21.5	20.1
Max. IL (dB/100m, 20°C)	1.8	2.0	4.1	5.8	6.5	8.2	9.3	10.4	11.7	17.0	22.0
Min. NEXT (dB/100m, 20°C)	67.0	65.3	56.3	51.8	50.3	47.2	45.7	44.3	42.9	38.4	35.3
Frequency (MHz)	0.772	1.0	4.0	8.0	10.0	16.0	20.0	25.0	31.25	62.5	100
Min. PSNEXT (dB/100m, 20°C)	64.0	62.3	53.3	48.8	47.3	44.2	42.8	41.3	39.9	35.4	32.3
Min. ELFEXT (dB/100m, 20°C)	66.0	63.8	51.8	45.7	43.8	39.7	37.8	35.8	33.9	27.9	23.8
Min. PSELFEXT (dB/100m, 20°C)	63.0	60.8	48.8	42.7	40.8	36.7	34.7	32.8	30.9	24.9	20.8
Max. PD (ns/100m, 20°C)	-----	570	-----	-----	545	-----	-----	-----	-----	-----	538

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Max. PDS (ns/100m, 20°C)	-----	45	-----	-----	45	----	----	----	-----	----	45
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### Mechanical Properties

Operating Temperature Range	-15 to 70°C
Max. Recommended Pulling Tension	129N
Min. Bend Radius (install)	65mm
Approximate Mass	4.8kg/100m
Sheath Printing	 GARLAND FTP5E CAT5E ISO/IEC 11801 & EN 50173 & TIA/EIA 568C.2 - 24AWG X 4P - MM/YYYY - "Mmark"

### Supply Information

Pack Size	Pack Type	Dimensions	Qty Per Carton	Cartons Per Pallet
100m	Plastic Reel	10 x 4.5 x 5"	4R	
305m	Wooden Reel	W36 x 21.8cm	1R	
500m	Wooden Reel	W40 x 26.8cm	1R	

Document Change Record	Issue	Date	Prepared by	Approved By
	01	20-11-2012	LLS	Pent
Change History	Issue	Change		

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