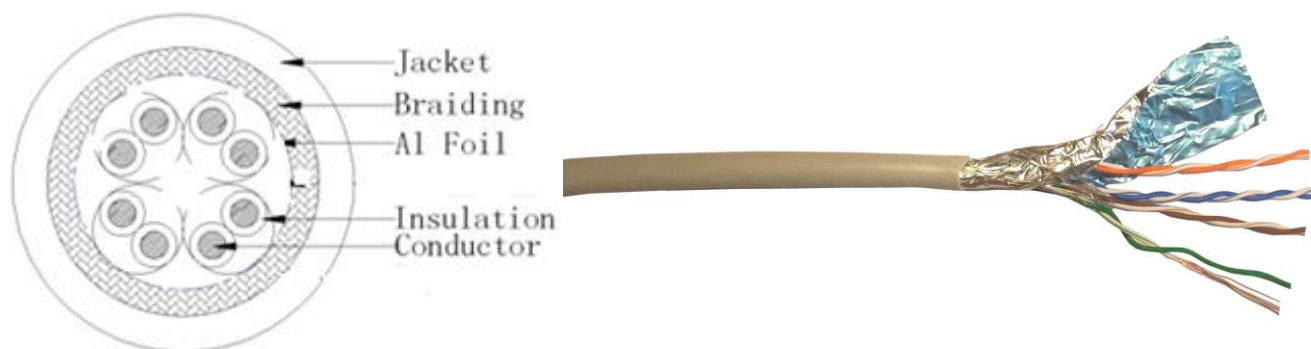**Product Datasheet**

4 pair Cat5e SFTP patch cable 305m

RS Article No: 812-4791

Cable Marking: Cat5e SFTP patch cable 001M...305M

Application:
Horizontal Wiring in LAN
Reference Standard:
EIA/TIA568 & ISO/IEC 11801, IEC60332-1
Operating Temperature:-15~70°C
Voltage rating:300V a.c.

Construction:
Conductor: Bare Copper
AWG:26
Cross Sectional Area(mm²): 0.14
Structure(+/-0.01): 7/0.16
Conductor Dia. (mm): 0.48
Insulation: PE
Average Thickness(mm): 0.23
Insulation Dia.(±0.05mm): 0.94
Twisting: 2C
Cabling: 4P
AL-MYLAR: (18mm*0.05mm)
Braid: Tinned Copper
Structure: 12/5/0.10mm
Jacket:PVC
Average Thickness(mm): 0.50
Min. Point Thickness(mm): 0.41
Outer Dia.(±0.3mm): 5.60
Rip Cord: No

Color:
Insulation colors are: Blue,White/Blue Stripe; Orange,White/Orange Stripe
              Green,White/Green Stripe;Brown,White/Brown Stripe
Jacket colors: GRAY RAL7035

Electrical Characteristics:

Frequency (MHz)	Input Impedance (ohms)	Return loss (dB)	Attenuation (dB/100m)	NEXT (dB)
1	100 ± 15	20.0	3.4	65.3
4	100 ± 15	23.0	7.0	56.3
10	100 ± 15	25.0	11.1	50.3
16	100 ± 15	25.0	13.9	47.3
20	100 ± 15	25.0	15.6	45.8
31.25	100 ± 15	23.6	19.9	42.9
62.5	100 ± 15	21.5	28.9	38.4
100	100 ± 15	20.1	37.4	35.3

Frequency (MHz)	PSNEXT (dB)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)	SRL (dB)
1	62.3	63.8	60.8	23.0
4	53.3	51.7	48.7	23.0
10	47.3	43.8	40.8	25.0
16	44.3	39.7	36.7	25.0
20	42.8	37.7	34.7	25.0
31.25	39.9	33.9	30.9	23.6
62.5	35.4	27.8	24.8	21.5
100	32.3	23.8	20.8	20.1

Pair-to-Ground Capacitance Unbalance (pF/m): <=3.3
Max. Conductor DC Resistance 20ºC (ohms/km): 165