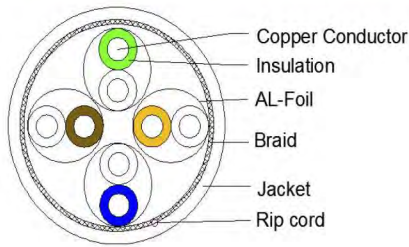


Item NO.:21.99.0886

TECHNICAL DATA SHEET

100Ω CAT7 S/FTP 4pairs cable CPR(Dca(s1a,d1,a1)) - 600MHz - LSZH jacket



Insulation/Pairs Color

Pairs#	Color	Pairs#	Color
1	White;Blue	2	White;Orange
3	White;Green	4	White;Brown

CABLE DESCRIPTION

1-CONDUCTOR	PARAMETER	UNIT	VALUE
TYPE:SOLID-Bare copper	Max.linear tesistance.	Ω/km	≤80
DIAMETER:0.55mm±0.008mm	Mutual capacity(nom.)	pF/m	56
AWG:23	Resistance Unbalance within a pair	(%)	≤2
2-INSULATION	Characteristic impedance (1 at 250 MHz)	Ω	100±15
TYPE:FOAM-PE	(251 at 500MHz)		100±22
DIAMETER:1.35mm±0.03mm	(501 at 600MHz)		100±25
3-SYNTHETICAL SEPARTION FOIL: polyester	VELOCITY OF PROPAGATION (f>1MHz)	%of c	78
4-DRAIN WIRE:NO	Marking		
5-SHIELDING:AL-Foil+Braid(≥40%)	CAT7 S/FTP 23AWG ISO/IEC 11801 & EN50173 & ANSI/TIA 568C. 2 LSZH XXXM		
6-RIP CORD YES			
7-OUTER JACKET			
TYPE: LSZH			
COLOUR: Grey (RAL7035)			
THICKNESS: 0.5mm±0.05mm			
EXTERNAL DIAMETER: 7.6mm±0.3mm			

ELECTRICAL CHARACTERISTICS

Frequency (MHz)	Return loss(dB)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)
4	23.0	3.7	78	75	78.0	75.0
8	24.5	5.2	78	75	77.2	74.2
10	25.0	5.9	78	75	75.3	72.3
16	25	7.4	78	75	71.2	68.2
20	25	8.3	78	75	69.3	66.3
25	24.3	9.3	78	75	67.3	64.3
31.25	23.6	10.4	78	75	65.4	62.4
62.5	21.5	14.9	75.5	72.5	59.4	56.4
100	20.1	19.0	72.4	69.4	55.3	52.3
200	18.0	27.5	67.9	64.9	49.3	46.3
300	17.3	34.2	65.2	62.2	45.8	42.8
400	17.3	40.0	63.4	60.4	43.3	40.3
500	17.3	45.3	61.9	58.9	41.3	38.3
600	17.3	50.1	60.7	57.7	39.7	36.7

OTHER CHARACTERISTICS

- CPR Dca(s1a,d1,a1) verified
- ROHS 2.0 & REACH Compliant