



Model: EPRO-CAT6-FTP

Technical parameter

Type	CAT6 F/UTP 23AWG×4P
Standard	ANSI/TIA-568-C.2/UL444
Conductor	
Conductor material	BC
Conductor size	23AWG×4P
Conductor construction(mm)	0.55±0.01
Insulation	
Insulation material	HDPE
Insulation diameter(mm)	1.08±0.05
Color	Blue, White/Blue, Orange, White/Orange, Green, White/Green, Brown, White/Brown
Filler	
Filler material	Cross filling
Wrapping tape	
Wrapping tape material	PET
Drain wire	
Drain wire material	TC
Drain wire size(mm)	0.40±0.01
shield	
Shield material	AL/PET
Rip-cord	
Rip-cord	Yes
Jacket	
Jacket material	PVC
Jacket diameter(mm)	7.2±0.4

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Average thickness(mm)		0.55					
Min thickness(mm)		0.37					
Color		Customize					
Electrical & Physical Characteristics							
Conductor DCR 20°C		≤73.2Ω/km					
Operational temperature		-20°C~+75°C					
Characteristic impedance(Ohm)		100±15					
Flammability test		CM					
Link transmission performance(90M)							
Frequency (MHz)	Attenuation (dB)	NEXT (dB)	PS NEXT (dB)	ACR-F (dB)	PS ACR-F (dB)	Return Loss (dB)	Delay (ns)
1	3.0	65.0	62.0	64.2	61.2	19.1	498
4	3.5	64.1	61.8	52.1	49.1	21.0	498
8	5.0	59.4	57.0	46.1	43.1	21.0	498
10	5.5	57.8	55.5	44.2	41.2	21.0	498
16	7.0	54.6	52.2	40.1	37.1	20.0	498
20	7.9	53.1	50.7	38.2	35.2	19.5	498
25	8.9	51.5	49.1	36.2	33.2	19.0	498
31	10.0	50.0	47.5	34.3	31.3	18.5	498
63	14.4	45.1	42.7	28.3	25.3	16.0	498
100	18.6	41.8	39.3	24.2	21.2	14.0	498
200	27.4	36.9	34.3	18.2	15.2	11.0	498
250	31.1	35.3	32.7	16.2	13.2	10.0	498