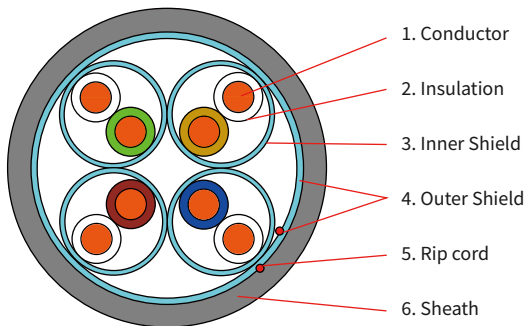


CAT7 F/FTP

(22AWG/23AWG BC+1.4F-S-FPE+AL/PET)*2*4+
Aluminium Foil+Drain Wire+Rip Cord

Standards: IEC 11801
ANSI/TIA 568C
EN 50173
YD/T 1019



Technical Data:

Applications: 155MbpsATM, 622MbpsATM, 1000Base-T, 10GBase-T
Storage Temperature: -5°C~+50°C
Operating Temperature: -20°C~+70°C
Tensile Strength. Max: 80N
Minimum Bending Radius: 10D. D is external cable diameter
Voltage Rating: 60V rms to meet the strict flame retardancy and environmental requirements in Europe and USA
Flame Retardancy: UL 1581 (CM Jacket); UL 1666 (CMR Jacket); UL 910 (CMP Jacket); IEC 60332-1 (FR-PVC&LSZH Jacket); IEC 60332-1 and IEC 60332-3C (FR-PVC&LSZH Jacket); CPR E (PVC&LSZH Jacket); CPR D (LSZH Jacket)
Maximum DC Resistance: 5.9Ω/100m (22AWG); 7.5Ω/100m (23AWG)
Maximum Resistance Unbalance: 5%
Maximum Mutual Capacitance: 5.6nF/100m
Working Frequency: 1-600MHz
Characteristic Impedance: 100±15Ω (1-100MHz); 100±22Ω (100-250MHz); 100±25Ω (250-600MHz)
Nominal Velocity of Propagation (NVP): ≥65%

Construction:

- Conductor:** 22AWG/23AWG, solid bare copper conductor
- Insulation:** Foam-skin-foam PE
Twisted Pair:
 White/Blue
 White/Orange
 White/Green
 White/Brown
- Inner Shield:** Individual Al foil (Al face outside) for each pair
- Outer Shield:** Covered by Al foil+drain wire (Al face inside)
- Rip Cord**
- Sheath:** PVC/PE/LSZH, colours according to customer requirements



Specification Parameters:

FREQ (MHz)	RL (dB/100m)	IL (dB/100m)	NEXT (dB/100m)	ACR (dB/100m)	PSNEXT (dB/100m)	PSACR (dB/100m)	PS ELFEXT (dB/100m)
1	20.0	2.0	78	76	75	73	75
4	23.0	3.7	78	74	75	71	75
10	25.0	5.9	78	72	75	69	71
16	25.0	7.4	78	71	75	67	67
20	25.0	8.3	78	70	75	67	65
31.25	23.6	10.4	78	68	75	65	61
62.5	21.5	14.9	78	63	73	58	55
100	20.1	19.0	75	56	69	50	51
200	18.0	27.5	71	44	65	37	45
250	17.3	31.0	69	38	63	32	43
300	17.3	34.2	68	34	62	28	41
600	17.3	50.1	60	10	58	8	35