

25
YEAR
WARRANTY

CAT6A F/UTP PE EXTERNAL CABLE

Technical Information



Features:

- ◆ Suitable for external installation
- ◆ 305m reel
- ◆ Reverse metre marked
- ◆ Black UV & moisture resistant PE sheath
- ◆ 23 AWG solid copper conductors
- ◆ Ultima 25 year System Warranty

Construction

Conductor Diameter (mm)	AWG	Insulation Diameter (mm)	Overall Sheath Diameter
0.566 +/- 0.02	23 AWG	1.1 +/- 0.05	7.3 +/- 0.2

Key Electrical Parameters

Nom. Mutual Capacitance nF/m @ 1kHz	Max. Conductor Resistance Ω /km @ 20°C	Max. Capacitance Unbalance pF/km	Max. Delay Skew ns/100m
≤5.6	93.8	≤330	45

Mechanical Characteristics

Operating Temperature	Max. Pulling Force	Min. Bend Radius (After Installation)	CPR Rating
-20°C to +75°C	110N	30mm	F _{ca}



Part Number

Item	Description	Type	NVP	Sheath	CPR Euroclass	Length	Colour
812108	Cable Cat6A	F/UTP	65%	PE	F _{ca}	305m	Black



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Performance

Frequency (MHz)	Return Loss (dB)	Insertion Loss (dB)	NEXT (dB)	PS NEXT (dB)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)
4	23.0	3.8	65.3	63.3	55.8	52.8
8	24.5	5.3	60.8	58.8	49.7	46.7
10	25.0	5.9	59.3	57.3	47.8	44.8
16	25.0	7.5	56.2	54.2	43.7	40.7
20	25.0	8.4	54.8	52.8	41.8	38.8
25	24.3	9.4	53.2	51.3	39.8	36.8
31.25	23.6	10.5	51.9	49.9	37.9	34.9
62.5	21.5	15.0	47.4	45.4	31.9	28.9
100	20.1	19.1	44.3	42.3	27.8	24.8
200	18.0	27.6	39.8	37.8	21.8	18.8
250	17.3	31.1	38.3	36.3	19.8	16.8
300	16.8	34.3	37.1	35.1	18.3	15.3
400	15.9	40.1	35.3	33.3	15.8	12.8
500	15.2	45.3	33.8	31.8	13.8	10.8