



CAT6 U/UTP PE CABLE

Technical Information



Features:

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

Construction

Conductor Diameter (mm)	AWG	Insulation Diameter (mm)	Overall Sheath Diameter
0.525 +/- 0.02	24 AWG	0.95 +/- 0.05	5.9 +/- 0.3

Key Electrical Parameters

Nom. Mutual Capacitance nF/lm @ 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	24mm	F _{ca}



Part Number

Item	Description	Type	NVP	Sheath	CPR Euroclass	Length	Colour
779619	Solid	U/UTP	67%	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)
1	20.0	2.0	74.3	72.3	67.8	64.8
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	6.0	59.3	57.3	47.8	44.8
16	25.0	7.6	56.2	54.2	43.7	40.7
20	25.0	8.5	54.8	52.8	41.8	38.8
25	24.3	9.5	53.2	51.3	39.8	36.8
31.25	23.6	10.7	51.9	49.9	37.9	34.9
62.5	21.5	15.4	47.4	45.4	31.9	28.9
100	20.1	19.8	44.3	42.3	27.8	24.8
200	18.0	29.0	39.8	37.8	21.8	18.8
250	17.3	32.8	38.3	36.3	19.8	16.8