



CAT5e U/UTP PE SHEATH CABLE

Technical information



Features

- ◆ Low memory
- ◆ Reverse metre marked
- ◆ UV & moisture resistant PE sheath
- ◆ 24 AWG solid copper conductors
- ◆ Verified to ISO/IEC 11801, EN50173 and ANSI/TIA-568-C.2
- ◆ Used for external cabling applications
- ◆ Ultima 25 year System Warranty

Construction

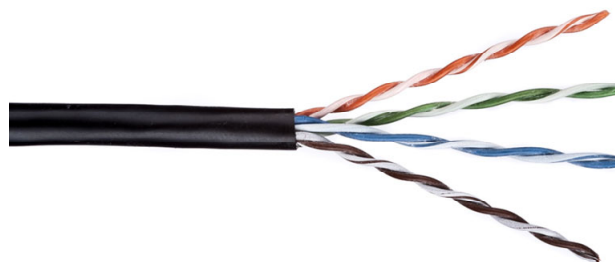
Conductor Material	Conductor Diameter	AWG	Insulation Diameter	Insulation Material	Bulk Cable Weight
Solid Bare Copper	0.5 +/- 0.02mm	24 AWG	0.88 +/- 0.05mm	HDPE	38kg/km
Sheath Material	Overall Sheath Diameter	Min. Bend Radius	Max. Pulling Force	Sheath Tensile Strength	Operating Temp. Range
PE (UV Resistant)	5.0 +/- 0.3mm	20mm	110N	≥9.7MPa	-20°C to +75°C

Key Electrical Characteristics

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

Performance

Frequency (MHz)	Return Loss (dB)	Insertion Loss (dB/100m)	NEXT (dB)	PS NEXT (dB)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)
1	20.0	2.0	65.3	62.3	63.8	60.8
4	23.0	4.1	56.3	53.3	51.8	48.8
8	24.5	5.8	51.8	48.8	45.7	42.7
10	25.0	6.5	50.3	47.3	43.8	40.8
16	25.0	8.2	47.2	44.2	39.7	36.7
20	25.0	9.3	45.8	42.8	37.8	34.8
25	24.3	10.4	44.3	41.3	35.8	32.8
31.25	23.6	11.7	42.9	39.9	33.9	30.9
62.5	21.5	17.0	38.4	35.4	29.7	24.9
100	20.1	22.0	35.3	32.3	23.8	20.8



Part Number

Item	Description	Type	NVP	Sheath	CPR Euroclass	Length	Packaging	Colour
774612	Cat5e Solid	U/UTP	65%	PE	F _{ca}	305m	Reel-in-a-box	Black
822066	Cat5e Solid	U/UTP	65%	PE	F _{ca}	100m	Reel	Black