

CAT6 F/UTP PE SHEATH CABLE

Technical information



Features

- ◆ PE sheath
- ◆ 24 AWG solid copper conductors
- ◆ Cat 6 compliant performance
- ◆ Used for external cabling applications

Construction

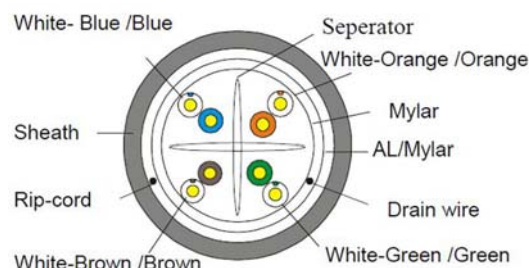
Conductor Material	Conductor Diameter	AWG	Insulation Diameter	Insulation Material
Solid Bare Copper	0.55 +/- 0.005mm	24 AWG	1.11 +/- 0.03mm	HDPE
Sheath Material	Overall Sheath Diameter	Min. Bend Radius	Sheath Tensile Strength	Operating Temp. Range
LDPE	7.5 +/- 0.4mm	30mm	≥10.0MPa	-20°C to +75°C

Key Electrical Characteristics

Characteristic Impedance Ω	Max. Conductor Resistance Ω/km @ 20°C	Max. Capacitance Unbalance pF/km	Max. Delay Skew $\text{ns}/100\text{m}$
100 +/-15	95.0	≤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	2.03	74.3	72.3	67.8	64.8
4	23.0	3.78	65.3	63.3	55.8	52.8
8	24.5	5.32	60.8	58.8	49.7	46.7
10	25.0	5.95	59.3	57.3	47.8	44.8
16	25.0	7.55	56.2	54.2	43.7	40.7
20	25.0	8.47	54.8	52.8	41.8	38.8
25	24.3	9.51	53.3	51.3	39.8	36.8
31.25	23.6	10.67	51.9	49.9	37.9	34.9
62.5	21.5	15.38	47.7	45.4	31.9	28.9
100	20.1	19.80	44.3	42.3	27.8	24.8
200	18.0	28.98	39.8	37.8	21.8	18.8
250	17.3	32.85	38.3	36.3	19.8	16.8



Part Number

Item	Description	Type	NVP	Sheath	Length	Colour
808297	Cat 6 Solid	F/UTP	68%	PE	305m	Black