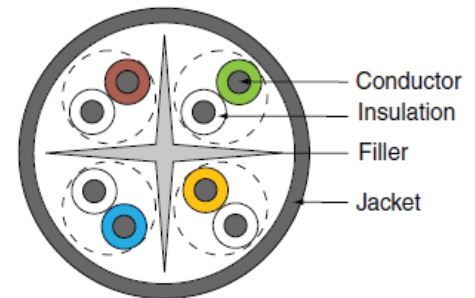


## Category 6 Unshielded Twisted Pair (UTP) Cable

- Category 6 compliant
- PVC outer sheath
- Central 'X' filler
- Backward Compatible ☒ BSRIA Number 1 private label,
- 23AWG conductor by market share for the last three years

### Category 6 Compliant

- TIA/EIA 568-B.2-1
- EN50173-1
- ISO/IEC 11801



### Specification

- Overall Diameter 6.3mm
- Operation Temperature Range -10°C to +75°C
- Bend Radius 4 x overall diameter installed, 8x installing

Frequency (MHz)	Return loss (dB)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	FLEXT (dB/100m)	PSELFEXT (dB/100m)	Delay (ns/100m)
1	20.0	2.0	66.0	64.0	67.8	64.8	570.0
4	23.0	3.8	65.3	63.3	55.8	52.8	552.0
10	25.0	6.0	59.3	57.3	47.8	44.8	545.4
16	25.0	7.6	56.2	54.2	43.7	40.7	543.0
20	25.0	8.5	54.8	52.8	41.8	38.8	542.0
31.25	23.6	10.7	51.9	49.9	37.9	34.9	540.4
62.5	21.5	15.4	47.4	45.4	31.9	28.9	538.6
100	20.1	19.8	44.3	42.3	27.8	24.8	537.6
150	18.8	24.7	41.7	39.7	24.3	21.3	536.9
200	18.0	29.0	39.8	37.8	21.8	18.8	536.5
250	17.3	32.8	38.3	36.3	19.8	16.8	536.3

### Typical Applications

- 100 Base-TX
- Token Ring
- Composite Video
- 1000 Base-TX Gigabit Ethernet
- 155 Mbps ATM
- 622 Mbps ATM

### Performance Overview

Category 6 cables are manufactured and tested to the Category 6 performance standards defined by the EIA/TIA, ISO and EN standards bodies. A range of performance characteristics are tested upto 250MHz including return loss, attenuation and near and far end crosstalk (NEXT and FEXT) for which both worst case and power sum tests are completed.

Actual performance far exceeds the required standard – when tested in isolation and in circuit – resulting in significant headroom for even the most demanding of applications.

As well as providing link and channel compliance with the aforementioned specification – when installed with category 6 components – the cable is also backward compatible with Category 5 and 5e components.