

Category 6 F/UTP 23 AWG 4 PR LISTED CSA C/US CMG

Electrical Characteristics

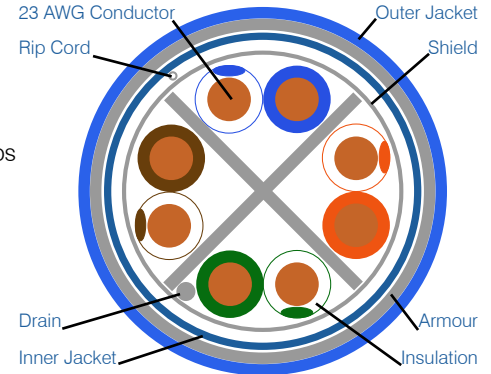
- Max Conductor DCR: 9.38 Ω/100m
- Max DCR Unbalance: 5%
- Max Capacitance Unbalance: 330 pF/100m
- Mutual Capacitance @ 1kHz: 5.6 nF/100m
- Max Delay Skew: 25 ns/100m
- Nominal Velocity of Propagation (VP): 69 %
- Operating Voltage, maximum: 80 V

Mechanical Characteristics

- Nominal Cable OD: 13.5 mm | 0.532 in
- Bulk Cable Weight: 154 kg/km | 103 lb/kft
- Max Recommended Pulling Tension: 21 kg | 45 lbs
- Min Bend Radius During Installation: 3.7 in
- Min Bend Radius/Minor Axis: 3.0 in

Temperature Range

- Installation Temp Range: 0°C to +60°C
- Storage/Operating Temp Range: -20°C to +60°C



ANSI/TIA-568.2-D	FREQUENCY	Insertion Loss	NEXT	PSNEXT	ACRF	PSACRF	Impedance	Return Loss
	(MHz)	(dB/100m)	min (dB)	min (dB)	min (dB/100m)	min (dB/100m)	min/max (Ω)	min (dB)
	1	1.9	81.3	79.3	74.8	72.8	100 +/- 10	20.0
	4	3.5	72.3	70.3	62.8	60.8	100 +/- 10	23.0
	8	4.9	67.8	65.8	56.7	54.7	100 +/- 10	24.5
	10	5.5	66.3	64.3	54.8	52.8	100 +/- 10	25.0
	16	7.0	63.2	61.2	50.7	48.7	100 +/- 10	25.0
	20	7.8	61.8	59.8	48.8	46.8	100 +/- 10	25.0
	25	8.7	60.3	58.3	46.8	44.8	100 +/- 10	24.3
	31.25	9.8	58.9	56.9	44.9	42.9	100 +/- 10	24.3
	62.5	14.1	54.4	52.4	38.9	36.9	100 +/- 10	22.2
	100	18.0	51.3	49.3	34.8	32.8	100 +/- 10	20.8
	155	22.8	48.4	46.4	31.0	29.0	100 +/- 10	19.5
	200	26.2	46.8	44.8	28.8	26.8	100 +/- 10	18.7
	250	29.6	45.3	43.3	26.8	24.8	100 +/- 10	18.0
	300	32.7	44.1	42.1	25.3	23.3	100 +/- 10	17.5
	350	35.6	43.1	41.1	23.9	21.9	100 +/- 10	17.0
	400	38.4	42.3	40.3	22.8	20.8	100 +/- 10	16.6

This data is for reference only. Limitations to desired performance may occur depending on installation conditions and connecting hardware.

Specifications and Compliances

- NEC/CEC Type CMG FT4 (UL 1685)
- UL 444 / CSA C22.2 No. 214, Communication Cables
- ISO/IEC Compliance: 11801 ed 2.1 (2008) Class E
- Telecommunications Standards: ANSI/TIA-568.2-D Category 6

Conductor Solid Bare Copper Conductors
Insulation Polyolefin, 60°C. Solid/Stripe colour code per ANSI/TIA-568.2-D

Shielding Aluminum Mylar Shield with STC Drain Wire
Inner Jacket PVC - Polyvinyl Chloride
Armour Aluminum Interlock Armour
Outer Jacket PVC - Polyvinyl Chloride

Applications

- Vertical and Horizontal backbone cable.
- Transmission of digital and analogue for data, video and audio applications.
- IEEE 802.3ab 1000BASE-T and legacy speeds.
- IEEE 802.3af (PoE) / IEEE 802.3at (PoE+).
- For use in communication circuits when exposed, concealed, or used in raceways.