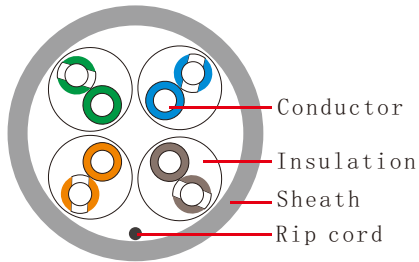


TECHNICAL SPECIFICATION



The AMPXL BOX U/UTP CAT 5e cable is the highest-quality twisted pair cable designed for professional data transmission systems inside buildings (structural wiring, LANs).

The AMPXL cable comes from the latest generation of UTP twisted pair cables. Its external diameter has been reduced to 5.0 mm, which considerably facilitates insertion of the cable into ducts and pipes. Special insulation material makes it easier to attach RJ-45 connectors.

RELEVANT STANDARDS

ISO/IEC 11801 // TIA-568-C.2 // YD/T1019-2001

CONSTRUCTION



Easy Pull Box

1. Conductor	Material	Pure copper
	Size	24AWG
	Construction	1/0.50mm
2. Insulation	Material	HDPE
	Thickness	AVG 0.2mm
	Diameter	MIN 0.18mm
		0.86mm
		Blue/ White-Blue
	Colors	Orange/ White-Orange
		Green/ White-Green
		Brown/ White-Green
3. Jacket	Elongation	MIN 300%
	Tensile strength	MIN 1.68kg/mm ²
	Material	PVC
	Thickness	AVG 0.55mm
	Diameter	MIN 0.53mm
		5.0mm
	Elongation	MIN 100%
	Tensile strength	MIN 1.407kg/mm
	Aging at 100°C for 168Hrs	min elongation retention 50%
		min tensile strength retention 75%

OTHER CHARACTERISTICS

Conductor Resistance 9.5 Ohm/ 100 m

Working Temperature Rate -20 °C ~ 70 °C

Bending Coefficient 8 Times

Impedance 100 Ohm

PROPERTIES

MHz	RL ≥dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns	PSNEXT ≥dB	ELFEXT ≥dB	PSSELFEXT ≥dB
1	20.0	2.0	65.3	570.00	62.3	63.8	60.8
4.0	23.0	4.1	56.3	552.00	53.3	51.8	48.8
8.0	24.5	5.8	51.8	546.73	48.8	45.7	42.7
10.0	25.0	6.5	50.3	545.38	47.3	43.8	40.8
16.0	25.0	8.2	47.2	543.00	44.4	39.7	36.7
20.0	25.0	9.3	45.8	542.05	42.8	37.8	34.8
25.0	24.3	10.4	44.3	541.20	41.3	35.8	32.8
31.25	23.6	11.7	42.9	540.44	39.9	33.9	30.9
62.5	21.5	17.0	38.4	538.55	35.4	27.9	24.9
100	20.1	22.0	35.3	537.60	32.3	23.8	20.8