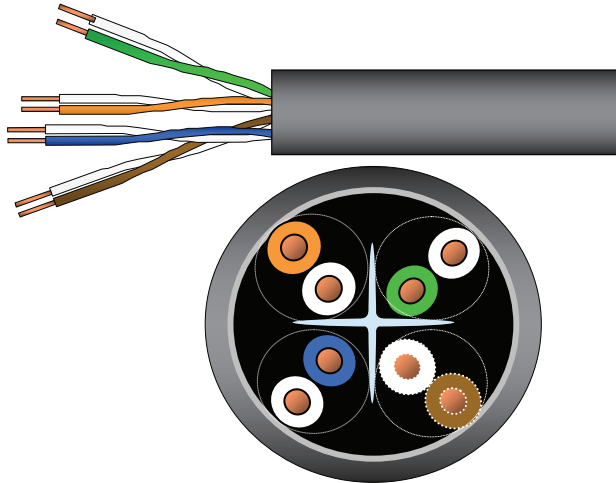


Cable Category 6 UTP with spline

Part no. HX-13366 E-no E4901303 305m/Reel- in-Box

Part no. HX-13367 E-no E4901315 500m/drum



Application

Primary (Campus), Secondary (Riser), Tertiary (Horizontal)
IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T
IEEE 802.5 16 MB; ISDN; FDDI; ATM

Standards

EIA/TIA 568-B.2-1
ISO/IEC 11801 2nd ed; IEC 61156-5
EN 50173; EN 50288-6-1

Fire rating

LSHF: IEC 60754-2; IEC 61034
PVC: IEC 60332-1
LSHF FR: IEC 60332-1; IEC 60754-2; IEC 61034

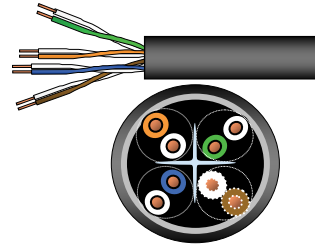
Construction

Conductor	bare copper wire (AWG23)
Insulation	Solid Polyethylene, Ø 0.90mm nom
Twisting	2 cores to the pair
Cable lay up	1x4 pairs to the core
Pair screen	N/a
Overall screen	N/a
tape	N/A
Sheath	LSZH OD 5,30mm

Cable Category 6 UTP with spline

Part no. HX-13366 E-no E4901303 305m/Reel- in-Box

Part no. HX-13367 E-no E4901315 500m/drum



Mechanical Properties

Bending radius	without load	≥ 40 mm
	with load	≥ 80 mm
Temperature range	during operation	-20°C to + 60°C
	during installation	0°C to + 50°C

Electrical Properties

at 20°C± 5°C

DC loop resistance		≤ 165 /km
Resistance unbalance		≤ 2%
Insulation resistance	(500 V)	≥ 2000 M xkm
Capacitance	at 800 Hz	Nom. 43 nF/km
Capacitance unbalance	(pair to ground)	≤ 1500 pF/km
Return Loss	(100 MHz)	20.1dB
	(250 MHz)	8.47dB
Nominal velocity of propagation		approx. 66%
Propagation delay		≤ 427 ns/100 m
Delay skew		≤ 12 ns/100 m
Test voltage	(DC, 1 min) Core/Core and Core/Screen	1000 V

F (MHZ)	Attenuation (dB/100m)	NEXT (dB)	PS-NEXT (dB)	ELFEXT (dB/100m)	PS-ELFEXT (dB/100m)	Return loss (dB)
1.0	2.1	75.0	72.0	67.0	65.0	20.0
4.0	3.8	66.0	63.0	55.0	53.0	23.0
10.0	6.0	60.0	57.0	47.0	45.0	25.0
16.0	7.6	57.0	54.0	43.0	41.0	25.0
20.0	8.5	56.0	53.0	41.0	39.0	25.0
31.2	10.7	53.0	50.0	37.0	35.0	24.0
62.5	15.5	48.0	45.0	31.0	29.0	22.0
100.0	19.9	45.0	42.0	27.0	25.0	20.0
125.0	22.5	44.0	41.0	25.0	23.0	19.0
155.5	25.3	43.0	40.0	23.0	21.0	19.0
175.0	27.1	42.0	39.0	22.0	20.0	18.0
200.0	29.2	41.0	38.0	21.0	19.0	18.0
250.0	33.0	39.0	36.0	19.0	17.0	17.0