

## Installation Cable

Category 6A U/UTP 500MHz

Standards:

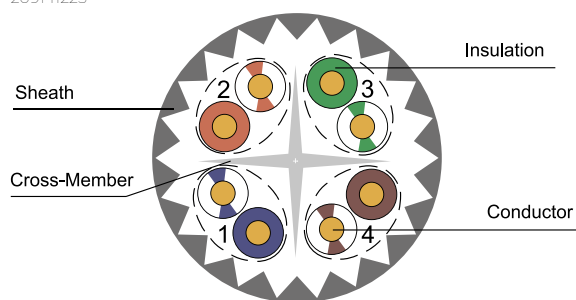
- ANSI/TIA-568.2-D:2018
- ISO/IEC 11801-1:2017
- CENELEC EN 50288-11-1
- IEC 61156-5 2nd Edition
- ETL Verified
- CPR Class Eca, Dca (B2ca on request)

Application:

- 10G BASE-T Ethernet
- 1000BASE-TX (Gigabit Ethernet)
- 1000BASE-T (Gigabit Ethernet)
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice



209141225



### Construction

Conductor	Material / size	Bare Copper / 23 AWG
Insulation	Material	HDPE
«+» Cross-Member	Material	PE
Sheath	Material	PVC/LSOH
	Diameter	7.5 ± 0.3mm

### Mechanical & Environmental Characteristics

Bend Radius	≥ 6D, without load
	≥ 8D, with load
Operation Temperature	-20°C ~ +60°C
Installation Temperature	0°C ~ +50°C
Storage Temperature	-30°C ~ +60°C

### Electrical Performance

Freq (MHz)	Insertion Loss (dB)		NEXT (dB/100m)		PS NEXT (dB)		ACR-F (dB)		PS ACR-F (dB)		Return Loss (dB)	
	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.
1.0	2.1	1.7	74.3	102.0	72.3	100.0	67.8	99.8	64.8	91.5	20.0	26.5
4.0	3.8	3.3	65.3	95.0	63.3	94.2	55.7	94.0	52.7	80.7	23.0	36.0
10.0	5.9	5.3	59.3	93.0	57.3	92.9	47.8	87.8	44.8	72.6	25.0	43.0
16.0	7.5	6.8	56.2	90.0	54.2	90.5	43.7	79.8	40.7	68.4	25.0	49.0
20.0	8.4	7.6	54.8	87.0	52.8	87.1	41.7	76.9	38.7	66.4	25.0	52.0
31.25	10.5	9.5	51.9	84.0	49.9	84.5	37.9	73.1	34.9	62.9	23.6	48.0
62.5	15.0	13.7	47.4	82.0	45.4	82.3	31.8	68.3	28.8	56.3	21.5	48.0
100.0	19.1	17.5	44.3	77.0	42.3	77.9	27.8	63.1	24.8	51.8	20.1	45.0
200.0	27.6	25.1	39.8	74.0	37.8	74.2	21.7	50.3	18.7	46.9	18.0	43.0
250.0	31.1	28.1	38.3	72.0	36.3	72.3	19.8	50.7	16.8	44.2	17.3	37.0
300.0	34.3	30.9	37.1	70.0	35.1	69.3	18.2	49.2	15.2	42.1	16.8	34.0
400.0	40.1	36.1	35.3	68.0	33.3	68.1	15.7	44.2	12.7	41.3	15.9	34.0
500.0	45.3	40.5	33.8	66.0	31.8	65.9	13.8	41.3	10.8	39.5	15.2	34.0

### Category 6A U/UTP Installation Cable

PART NO.	DESCRIPTION	PACKING SIZE
209141225	Category 6A U/UTP Installation Cable, 500 m reel, PVC, 500 MHz, Grey	50(O.D)×34(H) cm
209142225	Category 6A U/UTP Installation Cable, 500 m reel, LSOH, 500 MHz, Grey	50(O.D)×34(H) cm

Other lengths, colors or PVC cables on request