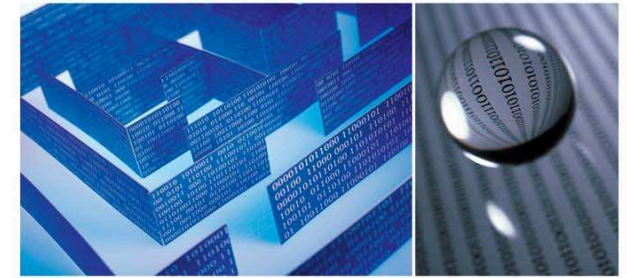


# CATEGORY 5e CABLING SOLUTIONS

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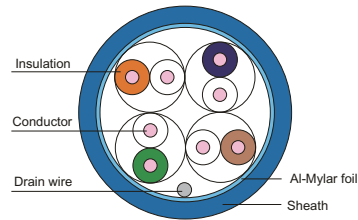
## Installation Cable Category 5e F/UTP 100MHz

### Standards:

- ANSI/TIA-568-C.2
- ISO/IEC 11801 CLASS D
- CENELEC EN 50173-1
- CENELEC EN 50288
- flame retardancy is verified according to IEC 60332-1-2.
- RoHS compliant
- 3P certified ANSI/TIA/EIA-568-B.2

### Application:

- 1000BASE-T Gigabit Ethernet
- 100BASE-TX Fast Ethernet
- 10BASE-T
- Voice, ISDN



### Construction

Conductor	Material / size	Bare Copper / 24AWG	
Insulation	Material	Foam-Skin PE	
Shield	Material	Al-Mylar Type	
Drain wire	Material	Stranded Tinned Copper	
Sheath	Material	PVC	LSOH
	Diameter	6.0 ± 0.3 mm	6.0 ± 0.3 mm

### Mechanical & Environmental Characteristics

Bending Radius	≥ 4D, without load
	≥ 8D, with load
Operation Temperature	-40°C~+50°C
Installation Temperature	-40°C~+50°C
Storage Temperature	-40°C~+50°C

### Electrical Performance

Freq (MHz)	Attenuation (dB)		NEXT (dB/100m)		PS NEXT (dB)		ACR (dB)		PSACR (dB)		ACR-F (dB)		PSACR-F (dB)		Return Loss (dB)	
	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.
1.0	2.0	1.8	65.3	79.3	62.3	72.2	63.3	77.5	60.3	77.5	63.8	84.8	60.8	78.8	20.0	27.0
4.0	4.1	3.7	56.3	70.3	53.3	63.3	52.2	66.6	49.2	59.6	51.7	72.8	48.7	68.8	23.0	32.0
10.0	6.5	5.8	50.3	64.3	47.3	57.3	43.8	58.5	40.8	51.5	43.8	64.8	40.8	58.6	25.0	32.0
16.0	8.2	7.4	47.3	61.1	44.3	54.2	39.1	53.7	36.1	46.8	39.7	60.7	36.7	54.5	25.0	32.0
20.0	9.3	8.3	45.8	59.3	42.8	52.6	36.5	51.0	33.5	44.6	37.7	58.8	34.7	52.6	25.0	32.0
31.25	11.7	10.5	42.9	56.7	39.9	49.6	31.2	46.2	28.2	39.1	33.9	54.9	30.9	48.7	23.6	30.0
62.5	17.0	15.1	38.4	52.1	35.4	45.2	21.4	37.0	18.4	30.1	27.8	48.9	24.8	42.7	21.5	30.0
100.0	22.0	19.3	35.3	49.2	32.3	42.1	13.3	29.9	10.3	22.8	23.8	44.8	20.8	38.6	20.1	30.0

### Category 5e F/UTP 100MHz

PART NO.	DESCRIPTION	PACKING SIZE
205241115	Category 5e F/UTP Installation Cable, 305m box, PVC	42x42x21 cm
205242115	Category 5e F/UTP Installation Cable, 305m box, LSOH	42x42x21 cm

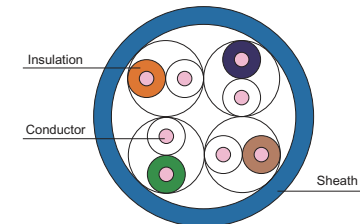
## Installation Cable Category 5e U/UTP 250MHz

### Standards:

- ANSI/TIA-568-C.2
- ISO/IEC 11801 ED.2
- CENELEC EN 50173-1
- CENELEC EN 50288-3-1
- flame retardancy is verified according to IEC 60332-1-2
- 3P certified ANSI/TIA -568-B.2
- ETL certified ANSI/TIA -568-B.2
- RoHS compliant

### Application:

- 1000BASE-T Gigabit Ethernet
- 100BASE-TX Fast Ethernet
- 10BASE-T
- Voice, ISDN



### Construction

Conductor	Material / size	Bare Copper / 24AWG	
Insulation	Material	HDPE	
	Material	PVC	LSOH
Sheath	Material	PVC	
	Diameter	5.2 ± 0.2 mm	5.2 ± 0.2 mm

### Electrical Performance

Freq (MHz)	Insertion Loss (dB/100m)		NEXT (dB/100m)		PS NEXT (dB/100m)		ACR (dB/100m)		ACR-F (dB/100m)		PSACR-F (dB/100m)		Return Loss (dB/100m)	
	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.
1.0	2.0	1.8	65.3	77.7	62.3	75.2	63.3	75.9	63.8	69.2	60.8	68.5	20.0	40.1
4.0	4.1	3.7	56.3	68.7	53.3	66.0	52.2	65.0	51.7	57.5	48.7	57.0	23.0	40.1
10.0	6.5	6.0	50.3	60.7	47.3	58.3	43.8	54.7	43.8	49.0	40.8	48.2	25.0	37.3
16.0	8.2	7.7	47.3	56.1	44.3	53.7	39.1	48.4	39.7	45.6	36.7	43.8	25.0	36.7
20.0	9.3	8.6	45.8	55.3	42.8	52.9	36.5	46.7	37.7	43.6	34.7	42.8	25.0	36.0
31.25	11.7	10.8	42.9	52.7	39.9	50.0	31.2	41.9	33.9	40.1	30.9	39.3	23.6	32.6
62.5	17.0	15.5	38.4	48.0	35.4	45.5	21.4	32.5	27.8	34.7	24.8	33.5	21.5	31.6
100.0	22.0	19.8	35.3	44.5	32.3	42.2	13.3	24.7	23.8	30.4	20.8	29.4	20.1	31.7
125*	24.8	23.6	33.9	37.0	30.9	39.8	9.1	13.4	21.9	25.9	18.9	26.3	19.5	27.8
200*	32.4	31.8	30.8	32.8	27.8	32.5	-	-	17.8	20.0	14.8	19.2	18.0	24.8
250*	36.8	36.4	29.4	30.2	26.4	31.3	-	-	15.9	17.1	12.9	13.1	17.4	22.2

### Category 5e U/UTP 250MHz

PART NO.	DESCRIPTION	PACKING SIZE
205141115	Category 5e U/UTP Installation Cable, 305m Box, PVC	35x35x21 cm
205142115	Category 5e U/UTP Installation Cable, 305m Box, LSOH	35x35x21 cm

CATEGORY 5e CABLING SOLUTIONS