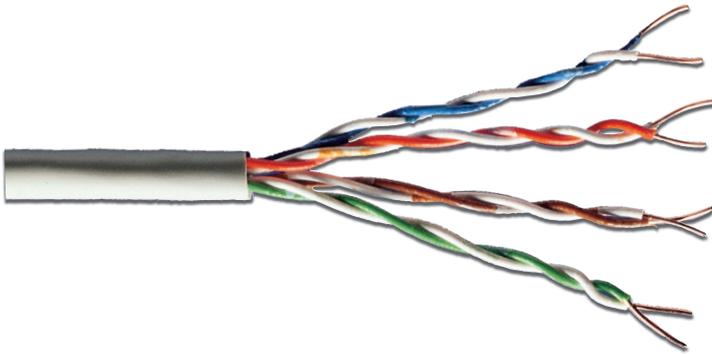


## ASSNET250 Category 6 U-UTP Twisted Pair Installation Cable



✓ Category 6 Compliant, ISO/IEC 11801, DIN EN 50173, DIN EN 50288-5-1

✓ Stress less paper pullout box

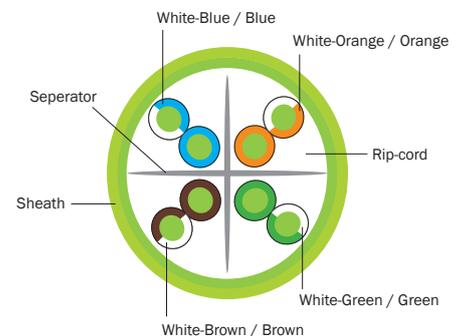
✓ assures best performance

### Abstract

ASSNET250 CAT 6 U-UTP installation cable, raw, Length 305 M, Paper Box, AWG 23/1, PVC Color grey

### Features

- PVC outer sheath
- Stress less paper pullout box
- Category 6 Compliant, ISO/IEC 11801, DIN EN 50173, DIN EN 50288-5-1
- AWG 23 conductor
- 250 MHz



### Product Overview

ASSNET Category 6 U-UTP installation cables are manufactured and tested to the ISO/IEC 11801, DIN EN 50173 and DIN EN 50288-5-1 Category 6 specifications. Every cord consists of 8 color coded AWG 23 polyethylene insulated conductors. The conductors are twisted together to form 4 pairs with varying lay lengths.

Printing details along the outer sheath includes the brand name, item code and cable length 0 – 305 meter. The cable is packed in a paper pullout box which makes the installation easy. Moreover it is reducing waste.

### Part Number Information

ACU-4611-305 – ASSNET250 CAT 6 U-UTP installation cable, raw, Length 305 M, Paper Box, AWG 23/1, PVC Color grey

## ASSNET250 Category 6 U-UTP Twisted Pair Installation Cable

### Performance Overview

ASSNET Category 6 U-UTP installation cables are manufactured and tested to the ISO/IEC and DIN Standards bodies. The performance characteristics are tested up to 250 MHz including NEXT and ELFEXT as well as return loss. The performance meets the required standards, the ASSNET Installation cables are made to fulfill the high demand of applications.

### Typical Applications

- 1000BASE-T Gigabit Ethernet
- 100 BASE-TX Fast Ethernet

### Physical Description

Physical Description	
Conductor Material	Material Copper Covered Aluminum
Conductor Diameter	0.550 +/- 0.005mm (AWG 23)
Insulation Material	HD-PE
Insulation Diameter	1.02 +/- 0.03mm
Total number of insulated conductors	8 conductors, twisted in 2 x 4 pairs
Core Color	blue x white, orange x white, green x white, brown x white
Individual Pair Shield	none
Overall Shield	none
Sheath Thickness	0.55 +/- 0.05mm
External Outer Diameter	6.3 +/- 0.3mm
Material	PVC complied to RoHS
Color	grey, other color's available on request
Packing	Paper pullout box
Carton Dimension	41.0 x 41.0 x 21.0cm
Packing Length	305 +/- 1.5m

### Mechanical Properties

Mechanical Properties	
Bend Radius	dynamic 8 x Diameter mm/min and static 4 x Diameter mm/min
Storage Temperature	-20 to +60°C
Installation Temperature	0 to +50°C
Operating emperature Range	-10 to +75°C

## ASSNET250 Category 6 U-UTP Twisted Pair Installation Cable

### Technical Performance

Technical Performance (100m)									
Frequency (MHz)	RL >dB	ATT (20 °C) <dB	NEXT >dB	PHASE DELAY <ns	Frequency (MHz)	PS NEXT >dB	ELFEXT >dB	PSELFEXT >dB	
1	19.0	2.1	65.0	580	1	62.0	63.3	60.3	
4.0	19.0	4.0	63.0	562	4	60.5	51.2	48.2	
8.0	19.0	5.7	58.2	557	8	55.6	45.2	42.2	
10.0	19.0	6.3	56.6	555	10	54.0	43.3	40.3	
16.0	18.0	8.0	53.2	553	16	50.6	39.2	36.2	
20.0	17.5	9.0	51.6	552	20	49.0	37.2	34.2	
25.0	17.0	10.1	50.0	551	25	47.3	35.3	32.3	
31.25	16.5	11.4	48.4	550	31.25	45.7	33.4	30.4	
62.5	14.0	16.5	43.4	549	62.5	40.6	27.3	24.3	
100	12.0	21.3	39.9	548	100	37.1	23.3	20.3	
200	9.0	31.5	34.8	547	200	31.9	17.2	14.2	
250	8.0	35.9	33.1	546	250	30.2	15.3	12.3	