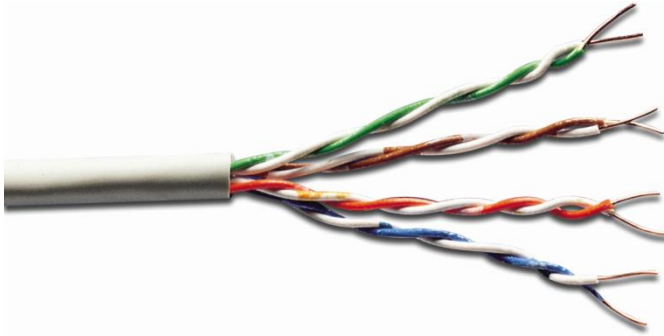


ASSNET100 Category 5e U-UTP Twisted Pair Installation cable



✓ Category 5e

✓ Outer sheath: PVC

✓ Stress less paper pullout box

✓ Assures best performance

Abstract

ASSNET CAT 5e U-UTP installation cable, raw, length 305 m, paper box, AWG 24/1, PVC, color grey

Features

- Outer sheath: PVC
- Stress less paper pullout box
- Category 5e, ISO/IEC 11801, DIN EN 50173
- Core cross section: AWG 24
- 100 MHz

Product Overview

ASSNET Category 5e U-UTP installation cables are manufactured and tested to the ISO/IEC 11801 and DIN EN 50173 Category 5e specifications. Every cord consists of 8 color coded AWG 24 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 0-365 m.

The cable is packed in a paper pullout box which makes the installation easy.

Performance Overview

ASSNET Category 5e U-UTP installation cables are manufactured and tested to the ISO/IEC and DIN Standards bodies. The performance characteristics are tested up to 100 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.

Product Number Information

ACU-4511-305

ASSNET100 CAT 5e U-UTP installation cable, raw, length 305 m, paper box,
AWG 24/1, PVC, color grey

Typical Applications

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

Physical Properties

Conductor material	Copper Covered Aluminum
Insulation material	HD-PE (High Density Polyethylene)
Insulation diameter	0.87 +/- 0.02 mm
Total number of insulated conductors	8 conductors, twisted in 4 x 2 pairs
Color code	blue/white, orange/white, green/white, brown/white
Individual pair shield	none
Overall shield	none
Sheath thickness	0.50 +/- 0.05 mm
External outer diameter	5.0 +/- 0.3 mm
Material	PVC, RoHS compliant
Color	Grey, other colors available on request
Packing	Paper pullout box
Carton dimensions	35.0 x 35.0 x 20.0 cm
Cable length	305 +/- 1.5 m

Mechanical Properties

Radius bending	Dynamic 8x diameter mm/min and static 4x diameter mm/min
Storage temperature	-20 °C up to +60 °C
Installation temperature	0 °C up to +50 °C
Operating temperature range	-10 °C up to +75 °C

Transmission Properties

Frequency	RL	ATT (20°C)	NEXT	PHASE DELAY	Frequency	PS NEXT	ELFEXT	PSELFEXT
(MHz)	>dB	<dB	>dB	<ns	(MHz)	>dB	>dB	>dB
1	19.0	3.0	60.0		1	57.0	58.6	55.6
4.0	19.0	3.9	54.8		4	51.8	46.6	43.6
8.0	19.0	5.5	50.0		8	47.0	40.6	37.5
10.0	19.0	6.2	48.5		10	45.5	38.6	35.6
16.0	19.0	7.9	45.2	498	16	42.2	34.5	31.5
20.0	19.0	8.9	43.7		20	40.7	32.6	29.6
25.0	18.0	10.0	42.1		25	39.1	30.7	27.7
31.25	17.1	11.2	40.5		31.25	37.5	28.7	25.7
62.5	14.1	16.2	35.7		62.5	32.7	22.7	19.7
100	12.0	21.0	32.3		100	29.3	18.6	15.6