

Premium-Line 206141115 Category 6 U/UTP Installation Cable

305 m Box, PVC Sheath, Grey - 250 MHz Copper Structured Cabling Cable

Overview

Premium-Line 206141115 is a Category 6 U/UTP installation cable designed for structured cabling systems, office networks, data outlets, cabinets, patch panels, and commercial low-current installations. The cable supports Gigabit Ethernet applications and is suitable for PoE, PoE+ and PoE++ network devices.

Key Features

- Category 6 U/UTP copper installation cable.
- 305 m box for professional network installation work.
- Bare copper 23 AWG conductor.
- PVC sheath in grey color.
- 250 MHz Category 6 performance.
- Suitable for PoE, PoE+ and PoE++.
- Flame retardancy verified according to IEC 60332-1-2.
- 3P certified, ETL certified and RoHS compliant.

Standards & Compliance

ANSI/TIA-568.2-D:2018	ISO/IEC 11801-1:2017
CENELEC EN 50173-1	CENELEC EN 50288-6-1
IEC 60332-1-2	3P / ETL / RoHS

Technical Specifications

Brand	Premium-Line
Part No.	206141115
Product Type	Category 6 U/UTP Installation Cable
Bandwidth	250 MHz
Length / Packing	305 m Box
Sheath	PVC
Color	Grey
Packing Size	45 x 45 x 21 cm
Conductor	Bare Copper / 23 AWG
Insulation	HDPE
Cable Diameter	6.2 +/- 0.3 mm
Shielding	U/UTP - Unshielded Twisted Pair

Mechanical & Environmental

Bending Radius	$\geq 6D$ without load / $\geq 8D$ with load
Operation Temperature	-20°C to +60°C
Installation Temperature	0°C to +50°C
Storage Temperature	-30°C to +60°C

Applications

- 1000BASE-TX Gigabit Ethernet
- 1000BASE-T Gigabit Ethernet
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice and general structured cabling applications

Source note: Technical data compiled from the Premium-Line current product page and Category 6 cabling catalogue information for part number 206141115.

Electrical Performance

Typical and normative values by frequency for Category 6 U/UTP cable performance.

Freq (MHz)	Inserti on Loss Nor.	Inserti on Loss Typ.	NEXT Nor.	NEXT Typ.	PS NEXT Nor.	PS NEXT Typ.	ACR Nor.	ACR Typ.	PS ACR Nor.	PS ACR Typ.	ACR-F Nor.	ACR-F Typ.	PS ACR-F Nor.	PS ACR-F Typ.	Return Loss Nor.	Return Loss Typ.
1.0	2.1	1.8	74.3	82.3	72.3	77.3	72.2	80.5	70.2	75.5	67.8	84.8	64.8	79.8	20.0	29.0
4.0	3.8	3.5	65.3	73.3	63.3	68.3	61.4	69.8	59.4	64.8	55.8	72.8	52.8	67.8	23.0	32.0
10.0	6.0	5.6	59.3	67.3	57.3	62.3	53.3	61.7	51.3	56.7	47.8	64.8	44.8	59.8	25.0	38.0
16.0	7.6	7.1	56.2	64.2	54.2	59.2	48.6	57.1	46.6	52.1	43.7	60.7	40.7	55.7	25.0	34.0
20.0	8.5	7.9	54.8	62.8	52.8	57.8	46.2	54.9	44.2	49.9	41.8	58.8	38.8	53.8	25.0	34.0
31.25	10.8	10.0	51.9	59.9	49.9	54.9	41.1	49.9	39.1	44.9	37.9	54.9	34.9	49.9	23.6	32.0
62.5	15.5	14.4	47.4	55.4	45.4	50.4	31.9	41.0	29.9	36.0	31.9	48.9	28.9	43.9	21.5	32.0
100.0	19.9	18.6	44.3	52.3	42.3	47.3	24.4	33.7	22.4	28.7	27.8	44.8	24.8	39.8	20.1	32.0
160.0	25.9	24.1	41.2	49.2	39.2	44.2	15.5	25.1	13.5	20.1	23.7	40.7	20.0	35.7	18.7	31.0
200.0	29.0	26.8	39.8	47.8	37.8	42.8	10.6	21.0	8.6	15.2	21.8	38.8	18.8	33.8	18.0	29.0
250.0	33.0	30.5	38.3	46.3	36.3	40.3	5.3	15.8	3.3	10.8	19.8	37.0	16.8	31.8	17.3	29.0

Prepared by Connect Gates - Datasheet created for product identification, technical submittal and Odoo product documentation use.