

Features and Benefits

The Molex CAA-00340 is an outside plant Gel-Filled Category 6 4 Pair U/UTP cable. A HDPE compound insulates the cores while a PE (UV) sheath provides protection against moisture and UV. An additional nylon outer jacket provides protection against abrasion and termites. The rugged construction of this cable makes it ideal for outdoor/underground installations.

- Category 6 compliant
- PE (UV) and nylon sheathed for greater protection
- UV resistant
- Suitable for outdoor/underground installations
- Water resistant gel-filled design.

Technical Information

Mechanical Characteristics

Conductor Size: Solid 0.58 23 AWG
Bare Annealed Copper

Primary Insulation: HDPE

Nominal O.D.: 1.0mm

Sheath Type: Inner: PE(UV),
Outer: Nylon

Nominal O.D.: Overall: 6.1mm
Inner: 0.5mm,
Outer: 0.4mm

Operating Temperature: -20° to 75°C

NVP: 65%

Maximum Pulling force: 50N/square mm



Commercial Standards

Cat 6 ANSI/TIA/EIA-568-C.2,
ISO/IEC 11801, UL444

Electrical Characteristics

FREQ (MHz)	RL (dB)	ATT (dB/100m)	NEXT (dB)	PS-NEXT (dB)	ELFEXT (dB)	PS-ELFEXT (dB)	PD (ns/100m)	Upper Characteristic impedance Zu(Ω)	Lower Characteristic impedance Zl(Ω)
1	-	-	74.3	72.3	67.8	64.8	570.0	-	-
4	23.0	3.8	65.3	63.3	55.8	52.8	552.0	115.2	86.8
8	24.5	5.3	60.8	58.8	49.7	46.7	546.7	112.6	88.8
10	25.0	6.0	59.3	57.3	47.8	44.8	545.4	111.9	89.4
16	25.0	7.6	56.2	54.3	43.7	40.7	543.0	111.9	89.4
20	25.0	8.5	54.8	52.8	41.8	38.8	542.0	111.9	89.4
25	24.3	9.5	53.3	51.3	39.8	36.8	541.0	112.9	88.5
31.25	23.6	10.7	51.9	49.9	37.9	34.9	540.0	114.1	87.7
62.5	21.5	15.4	47.4	45.4	31.9	28.9	538.6	118.3	84.5
100	20.1	19.8	44.3	42.3	27.8	24.8	537.6	121.9	82.0
250	18.0	29.0	39.8	37.8	21.8	18.8	536.5	128.8	77.6
							536.3	131.5	76.0

ORDERING INFORMATION

Order No.	SAP No.	Description
CAA-00340	Consult Molex	Cat6 4 Pair U/UTP Gel Filled OSP Cable PE(UV)/Nylon Sheathed

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