

## Features and Benefits

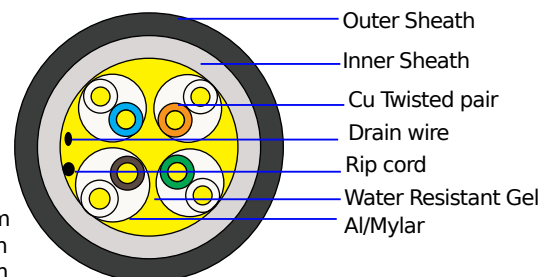
The Molex CAA-00418 is an outside plant Gel-Filled Category 6A 4 Pair U/FTP cable. A HDPE compound insulates the cores while a PE (UV) sheath provides protection against moisture and UV. An additional nylon outer jacket provides protection against abrasion and termites. The rugged construction of this cable makes it ideal for outdoor/underground installations. Molex uses a Gel Foam which is easier to clean than current water resistant gels.

- Category 6A compliant
- PE (UV) and nylon sheathed for greater protection
- UV resistant
- Suitable for outdoor/underground installations
- Water Resistant Gel

## Technical Information

### Mechanical Characteristics

Conductor Size: Solid 0.560 Solid Bare Copper  
 Primary Insulation: HDPE  
 Nominal O.D.: 1.330 ± 0.05 mm  
 Sheath Type: Inner: LDPE  
 Outer: Nylon  
 Nominal O.D.: Overall: 8.3 ± 1.0 mm  
 Inner: 0.55 ± 0.05 mm  
 Outer: 0.35 ± 0.1 mm  
 Operating Temperature: -20° to 75°C  
 NVP: 65%  
 Maximum Pulling force: 50N/square mm



## Commercial Standards

Cat 6A 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	20.0	-	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	547.0	112.6	88.8
10	25.0	5.9	59.3	57.3	47.8	44.8	545.0	111.9	89.4
16	25.0	7.5	56.2	54.2	43.7	40.7	543.0	111.9	89.4
20	25.0	8.4	54.8	52.8	41.8	38.8	542.0	111.9	89.4
25	24.3	9.4	53.3	51.3	39.8	36.8	541.0	112.9	88.5
31.25	23.6	10.5	51.9	49.9	37.9	34.9	540.0	114.1	87.7
62.5	21.5	15.0	47.4	45.4	31.9	28.9	539.0	118.3	84.5
100	20.1	19.1	44.3	42.3	27.8	24.8	538.0	121.9	82.0
200	18.0	27.6	39.8	37.8	21.8	18.8	537.0	121.9	82.0
250	17.3	31.1	38.3	36.3	19.8	16.8	536.0	128.8	77.6
300	16.8	34.3	37.1	35.1	18.3	15.3	536.0	128.8	77.6
400	15.9	40.1	36.3	33.3	15.8	12.8	536.0	128.8	77.6
500	15.2	45.3	33.8	31.8	13.8	10.8	536.0	128.8	77.6

## ORDERING INFORMATION

Order No.	SAP No.	Description
CAA-00418-BL	183020048	Cat6A 4 Pair U/FTP Gel Filled OSP Cable PE(UV)/Nylon Sheathed

Available in Various Colours, Details Upon Request

## MOLEX PREMISE NETWORKS

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