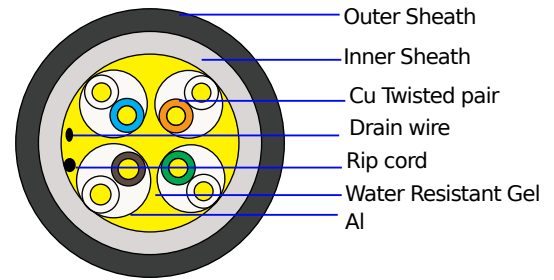


PowerCat 6A U/FTP C6A Underground Cable

molex

The Molex CAA-00418-BL 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.



Features and Advantages

Category 6A compliant

PE (UV) and nylon sheathed for greater protection

UV resistant Outer Sheath

Suitable for outdoor/underground Installations

Water Resistant Gel

Specifications

MECHANICAL

Conductor Size: Solid 0.560 Solid Bare
Copper

Primary Insulation: HDPE

Nominal O.D.: 1.330 ± 0.05 mm

Sheath Type: Inner: HDPE
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: Please refer Cable Sheath

ENVIRONMENTAL STANDARDS

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

Maximum Pulling force: 50N/square mm

www.molexces.com

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FREQ (MHz)	RL (dB)	ATT (dB/100m)	NEXT (dB)	PS-NEXT (dB)	ELFEXT (dB)	PS-ELFEXT (dB)	PD (ns/100m)	Upper Characteristic impedance $Z_u(\Omega)$	Lower Characteristic impedance $Z_l(\Omega)$
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	Consult Molex	Cat6A 4 Pair U/FTP Gel Filled OSP Cable PE(UV)/Nylon Sheathed

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