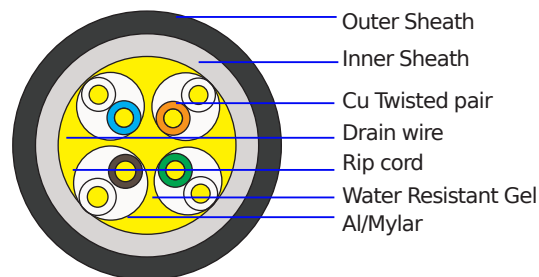


PowerCat 6A U/FTP C6A Underground Cable, Fca >

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.



FEATURES AND ADVANTAGES

Category 6A compliant

PE (UV) and nylon sheathed for greater protection

UV resistant

Suitable for outdoor/underground installations

Water resistant gel

CPR Reaction to Fire Classification Fca

SPECIFICATIONS

Commercial Standards

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

Reaction to Fire

EN 50575:2014+A:2016
EU Regulation 305/2011 (CPR)

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

Outer Sheath Color: Blue

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

Length: 305m

www.molex.com/products/copper/cat6a/

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SPECIFICATIONS (CONT.)

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	Consult Molex	Cat6A 4 Pair U/FTP Gel Filled OSP Cable PE(UV)/ Nylon Sheathed, Fca, 305 meters

www.molex.com/products/copper/cat6a/