

HDTV/HEC Cables

75 Ohm Coaxial Cable

Catalog # 7538B Series

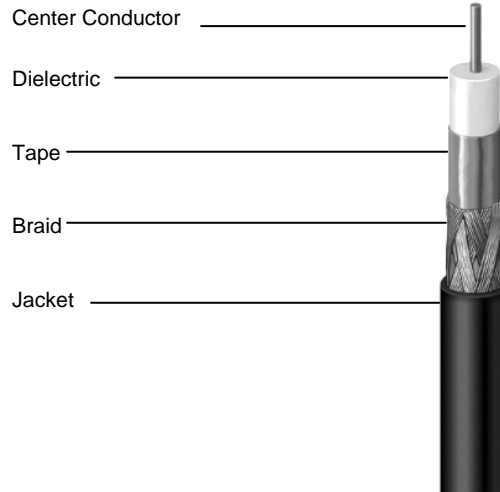
NEC/CEC: CMG(UL) c(UL) or CMR(UL) c(UL)

1 of 2

CONSTRUCTION for SINGLE and SUB-UNITS:

- CENTER CONDUCTOR:**
23 AWG Solid Copper
- DIELECTRIC:**
Foamed Polyethylene (FPE)
Dia. Over Dielectric: 0.100" +/- 0.004"
- SHIELD:**
Tape: Aluminum/Polyester (Bonded)
Braid: 36 AWG Tinned Copper
95% Coverage
Dia. Over Braid: 0.128"
- JACKET:**
Flame Retardant Polyvinylchloride (FR-PVC)
Dia. Over Jacket: 0.159" +/- 0.003"
Min. Avg Jkt. Thickness: 0.013"
Min. Spot: 0.010"

7538B SINGLE



ELECTRICAL PROPERTIES:

- SPARKER TEST:** 2000 VAC
- DIELECTRIC STRENGTH:** Conductor to Shield - 3 Sec @ 2500 VDC
- CAPACITANCE:** 16.5 pF./Ft. Nom.
- IMPEDANCE:** 75.0 +/- 3.0 Ohms
- VELOCITY OF PROPAGATION:** 84.0% Nom.
- DCR:** Conductor: 20.3 Ohms/1000 FT. Nom.
Shield: 4.0 Ohms/1000 FT. Nom.
- SRL:** 26dB (1 thru 450 MHz) 100% Swept Tested
23dB (450 thru 850 MHz) 100% Swept Tested
15dB (850 thru 3000 MHz) 100% Swept Tested

MECHANICAL PROPERTIES:

- Cable Weight/kft: 17 lbs
- MINIMUM BEND RADIUS:**
Loaded: 20 Times Cable OD
Unloaded: 10 Times Cable OD
- CABLE TEMP. RATING:**
Temp: 75°C

ATTENUATION:

dB/100 Ft. (Nom.)	@ Frequency MHz
.38 dB	1 MHz
.77 dB	3.6 MHz
1.29 dB	10 MHz
3.04 dB	71.5 MHz
4.18 dB	135 MHz
5.92 dB	270 MHz
6.70 dB	360 MHz
9.47 dB	720 MHz
11.16 dB	1000 MHz
13.67 dB	1500 MHz
15.78 dB	2000 MHz
16.74 dB	2250 MHz
19.33 dB	3000 MHz

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CONSTRUCTION for MULTIPLES:

SUB-UNIT: Diameter: 0.159" Nom.

FILLER: FR Polypropylene

BINDER/RIPCORD: Polyester

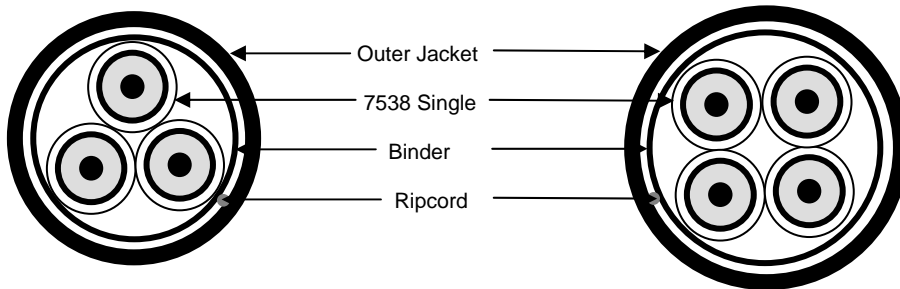
OUTER JACKET: Thermoplastic Elastomer (TPE)
Dimensions Below in Chart

Catalog Number	Number of Conductors	Orientation	Nom. Jkt. OD	Nom. Jkt. Thickness	Jkt. Min. Spot Thickness	UL Listing
753801B	1	N/A	0.159"	0.013"	0.010"	CMG(UL) c(UL)
753803B	3	3 around 0	0.415"	0.054"	0.042"	CMR(UL) c(UL)
753804B	4	4 around 0	0.466"	0.054"	0.042"	CMR(UL) c(UL)
753805B	5	5 around 0	0.540"	0.054"	0.042"	CMR(UL) c(UL)
753808B	8	8 around 0	0.730"	0.054"	0.042"	CMR(UL) c(UL)
753814B	14	10 around 4	0.828"	0.054"	0.042"	CMR(UL) c(UL)

Note: There are two versions of the 5 leg product. The standard version has red, green, blue, yellow, and white legs. The audio version has red, green, blue, black with red stripe, and black with white stripe.

753803B

753804B



753805B

753808B

