



UL Style: 20647

UL Voltage Rating: 150V

UL Temp: 105°C

CSA Style: AWM I A/B FT- 1

CSA Voltage Rating: 150V

CSA Temp: 105°C

This ribbonized coax features Hitachi's top quality MCX™.

Coax is fully extruded to eliminate the need for laminating. UL and CSA approved (cable is printed UL/CSA).

Common grounds are simplified with parallel ribbon design.

Excellent mechanical strength and flex life characteristics.

APPLICATIONS Parallel processing, high speed interconnect CPU management and board to board interface.

Eco-Index: RoHS Values

<90ppm	<5ppm	<5ppm	<5ppm	<1000ppm
Pb	Cd	Cr+6	Hg	PBDE's PPB's



PHYSICAL CONSTRUCTION DESCRIPTION Basic construction of the 20037 uses a 38 AWG, 50 OHM Coax Conductor. An FEP insulation is then applied, followed by a 48 AWG Spiral Shield. The final jacket consists of two layers of PET tape. One with a copper metalized tape, and a second with a colored PET tape. All MCX™ coaxial cables are extruded together with a clear PVC jacket to form the final ribbonized cable. Construction of the 20113 uses a 40 AWG, 50 OHM coaxial cable.

Series No.	Inner Conductor		Dielectric		Shield	Ribbonized MCX Sheath			Cap. pF/ft. (pF/m)	Imp @ TDR (Ω)	Cond. Resist. Ω/Mft. @ 20°C (Ω)/km
	AWG (Stranding)	Coating	Material	Dia. Inch (mm)	AWG Braid	Material	MCX Dia. Inch (mm)	Color			
20037	38 (7/46)	SC alloy	FEP	0.0134 (0.34)	TC + Cu met. tape	PET	0.017 (0.44)	Blue Black	29 (95)	50	914 (3000)
20113	40 (7/48)	SC alloy	PFA	0.0098 (0.25)	TC + Cu met. tape	PET	0.013 (0.34)	Blue Black	30 (100)	50	1524 (5000)

Part No.	No. of Coax	Insulation	Width	Span	Pitch	Pitch Tolerance
20037-19-P-00200	19	FEP/PET/PVC	0.4766 ± 0.005	0.450" ± 0.005	0.025"	±0.002"
20037-20-P-00200	20	FEP/PET/PVC	0.5016 ± 0.005	0.475" ± 0.005	0.025"	±0.002"
20113-19-P-00200	19	PFA/PET/PVC	0.475" ± 0.008	0.450" ± 0.006	0.025"	±0.002"
20113-20-P-00200	20	PFA/PET/PVC	0.500" ± 0.008	0.475" ± 0.006	0.025"	±0.002"

Note: Color code is blue & black, repeated, for 38 AWG with a red MCX™ for polarity. Color code is blue & green, repeated, for 40 AWG with a yellow MCX™ for polarity. Other conductor counts available upon request. All data is for reference only and is subject to change.