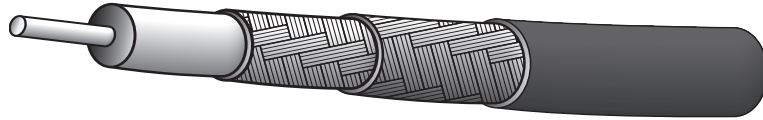


CN (Communication Network) Coaxial Cable - Double Braid

- Lower cost M17 alternatives • Improved shielding characteristics
- PTFE dielectrics for power transmission • Flexible, flame retardant PVC jacket



Double Braided Designs

When improved shielding efficiency is required, Harbour's double braided CN cables should be considered. The **CN316TCTC** and **CN316SCSC** cables are lower cost flexible alternatives to M17/152-00001. Harbour's **CN142**, **CN400** and double braided **CN179** cables provide lower cost, flexible alternatives to their MIL-C-17 counterparts.

Physical Characteristics:

	CN316TCTC	CN316SCSC	CN142TCTC	CN142SCSC	CN400TCTC	CN179TCTC	CN179SCSC
SCCS Center conductor diameter	.0201" (7/.0067")	.0201" (7/.0067")	.0370" solid	.0370" solid	.0384" (19/.008)	.0120" (7/.0040")	.0120" (7/.0040")
PTFE dielectric diameter	.060"	.060"	.116"	.116"	.116"	.063"	.063"
Diameter over inner braid	.076"	.076"	.136"	.136"	.136"	.079"	.079"
Diameter over outer braid	.092"	.092"	.156"	.156"	.156"	.096"	.096"
Overall diameter	.114"	.114"	.195"	.195"	.195"	.118"	.118"
Weight (lbs/MFT)	18	18	43	43	50	15	15
Operating temperature range (°C)	-20+105	-20+105	-20+105	-20+105	-20+105	-20+105	-20+105
Min. recommended bend radius	0.6"	0.6"	1.0"	1.0"	1.0"	0.6"	0.6"

Electrical Characteristics:

Impedance (ohms)	50	50	50	50	50	75	75
Capacitance (pF/ft)	29.4	29.4	29.4	29.4	29.4	19.5	19.5
Velocity of propagation	70	70	70	70	70	70	70
Attenuation (dB/100ft)	Typ / Max	Typ / Max	Typ / Max	Typ / Max	Typ / Max	Typ / Max	Typ / Max
100 MHz	7.7 / 11.1	7.6 / 11.0	4.1 / 5.5	4.0 / 5.5	4.4 / 4.5	8.1/9.3	8.0/9.2
400 MHz	16.2 / 21.3	16.0 / 21.0	8.4 / 11.7	8.1 / 11.7	8.9 / 10.5	15.7/21.3	15.5 / 21.0
1 GHz	26.5 / 36.1	26.2 / 38.0	13.9 / 19.2	13.4 / 19.2	14.6 / 18.1	27.5/31.1	26.7 / 30.7
2 GHz	38.2 / 51.1	37.5 / 50.5	20.1 / 27.7	19.4 / 27.7	21.4 / 27.5	-	38.3 / 44.0
2.4 GHz	41.7 / 56.1	41.2 / 55.4	22.1 / 30.4	21.3 / 30.4	23.4 / 30.2	-	-
3 GHz	47.5 / 59.2	46.9 / 58.0	25.5 / 35.0	24.6 / 35.0	27.1 / 38.0	-	-

All figures referenced above are nominal unless otherwise specified.