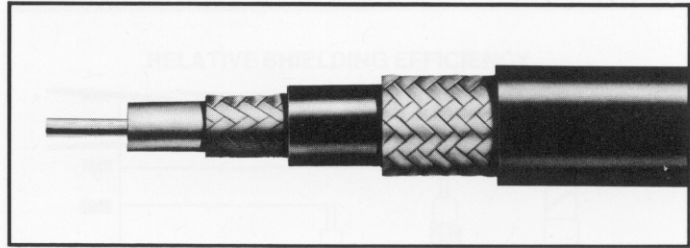


Triaxial Cable

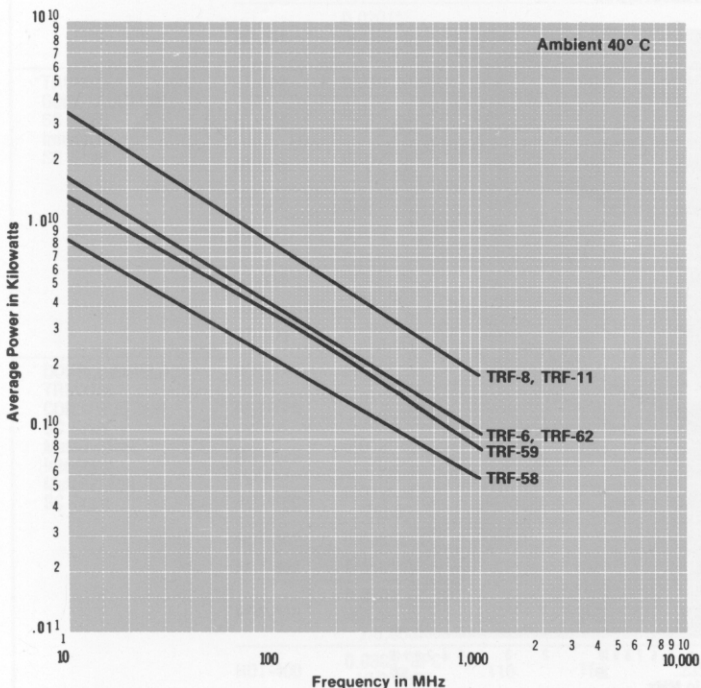


For many applications, Electromagnetic Compatibility (EMC) considerations require flexible coaxial cables with very low levels of signal leakage. A triaxial shielding configuration has been determined to exhibit 10 to 20 db less leakage than a double shielded cable. (See application notes.) A triaxial shielding configuration consists of the outer conductor braid and an additional braid separated by a special dielectric layer. The triaxial cables described below are designed to be used on drawers, or shock mounted

equipment. TRF cables have bare copper conductors and should be used below 1 GHz if attenuation stability is important. For use above 1 GHz silvered covered conductors should be used. Triaxial cables may be terminated with standard type connectors whose back ends have been modified to join the two shields together. For maximum shielding efficiency true-triaxial connectors should be used where the isolation of the two shields is maintained through the connector.

TIMES P/N	INNER CONDUCTOR	PE DIELECTRIC OD (INCH)	1ST. BC BRAID OD (INCH)	PE INTERLAYER OD (INCH)	2ND. BC BRAID OD (INCH)	PVC JACKET OD (INCH)	MIN. BEND RADIUS (INCH)	WEIGHT (LBS/FT)	NOM. IMPED. (OHMS)	NOM. CAPACITANCE (pF/FT)	OPERATING TEMP. RANGE (°C)	MAX. OPER. VOLTAGE (VOLTS RMS)	VEL. OF PROP. (%)
TRF-6	0.0300" BC 7/0.0100"	.185	.214	.274	.303	.420	2.0	0.196	75	20.5	-55 +80	3,000	65.9
TRF-8	0.0860" BC 7/0.0286"	.285	.318	.365	.398	.500	2.5	0.152	50	30.8	-55 +80	5,000	65.9
TRF-11	0.048" BC 7/0.0159"	.285	.318	.365	.398	.500	2.5	0.150	75	20.5	-55 +80	5,000	65.9
TRF-58	0.0380" BC 7/0.0126"	.116	.139	.175	.198	.245	1.5	0.041	50	30.8	-55 +80	2,000	65.9
TRF-59	0.023" CCS	.146	.175	.225	.254	.325	2.0	0.066	75	20.5	-55 +80	2,300	65.9
TRF-62	0.0253" CCS	.146	.175	.225	.254	.325	2.0	0.064	93	13.5	-55 +80	750	81.0

Maximum Power Handling Capability



Nominal Loss Characteristics

