Table 2 BETS Salts in the Order of the Central Atoms of the Anions According to the Periodic Table

Compound	Conductivity	Structure	Ref.
$(BETS)_2ClO_4(TCE)x$	M	κ-type	113
$(BETS)_2I_3$	T_{MI} = 45 K	α-type	65
$(BETS)_2IBr_2$	T_{MI} = 45 K	α-type	65
$(BETS)_2CF_2SO_3$	T_{MI} = 30 K	κ-type	109
$(BETS)_2PF_6$	T_{MI} = 28 K	θ-type	65
$(BETS)_2PF_6(TCE)x$	M	κ-type	65
$(BETS)_2AsF_6(TCE)x$	M	κ-type	65
$(BETS)_2SbF_6$	M	κ-type	65
$(BETS)_6Bi_3Cl_{12}(PhCl)$	M	α-type	192
$(BETS)_2Bi_2Cl_8$	I	Mixed	192
$(BETS)_2BF_4(TCE)x$	M	κ-type	113
κ-$(BETS)_2GaCl_4$	M	κ-type	110
λ-$(BETS)_2GaCl_4$	T_{SC} = 8 K	λ-type	24
α-$(BETS)_2GaCl_4$		α-type	196
κ-$(BETS)_2GaBr_4$	M	κ-type	110
λ'-$(BETS)_2GaBr_4$	M	λ'-type	204
$(BETS)_2InCl_4$	M	κ-type	110
$(BETS)_2TlCl_4$	M	κ-type	76
$(BETS)_2TlI_4$	I (13 Scm^{-1})	κ-type	76
$(BETS)_2TlI_4I_3$	I (10^{-4} Scm^{-1})	Mixed	76
θ-$(BETS)_2HgBr_4(PhCl)$	M	θ-type	77
κ-(BETS)xHgBry	M	κ-type	77
$(BETS)_2Hg_3I_8$	T_{MI} = 200 K		76
$(BETS)_4Hg_3I_8$	T_{MI} =95 K	α-type	195
$(BETS)_2KHg(SCN)_4$	M	α-type	76
$(BETS)_2NH_4Hg(SCN)_4$	M	α-type	76
$(BETS)_2TlHg(SeCN)_4$	M	α-type	193
$(BETS)_4Cu_2Cl_6$	M	θ-type	78
$(BETS)_4Cu_4Cl_8$	M	κ-type	112
$(BETS)_2Cu[N(CN)_2]Br$	M	κ-type	108
$(BETS)_2AuBr_2$	T_{MI} = 37 K	α-type	65
$(BETS)_2AuI_2$	T_{MI} = 45 K	α-type	65
$(BETS)_2AuI_2$	M	θ-type	65
κ-$(BETS)_2FeCl_4$	M	κ-type	110,111
λ-$(BETS)_2FeCl_4$	T_{MI} = 8 K	λ-type	110,111
	T_{SC} = 1.8 K (3 kbar)		203
κ-$(BETS)_2FeBr_4$	T_{SC} = 1 K	κ-type	110,202
$(BETS)_2CoCl_4(TCE)x$	M	κ-type	78
$(BETS)_2MnCl_4$	M	κ-type	78
$(BETS)_2TaF_6$	T_{MI} = 25 K	θ-type	65,64
$(BETS)_2TaF_6$	M	κ-type	65,64
$(BETS)_2(Cl_2TCNQ)$	T_{SC} = 1.3 K (3.5 kbar)	Uniform Segregated	201