

SERV-RITE Wire and Cable



- All stock constructions available in 100, 250, 500 and 1,000 foot spools.

Stock Wire Products By Temperature

Thermocouple Wire Max. Op. Temp.		Insulation	Part Number	Limits of Error	Description	Physical Properties			Page No.
°C	(°F)					Abrasion Resistance	Moisture Resistance	Chemical Resistance	
1427	(2600)	Ceramic	K20-1-350	Standard	Brd. C. Fbr./Brd. C. Fbr. (heavy build)	Good	Fair	Good	191
			K20-1-355	Standard	Brd. C. Fbr./Brd. C. Fbr.	Good	Fair	Good	191
			K20-2-350	Special	Brd.C. Fbr./Brd. C. Fbr. (heavy build)	Good	Fair	Good	191
			K20-2-355	Special	Brd. C. Fbr./Brd. C. Fbr.	Good	Fair	Good	191
1093	(2000)	Vitreous Silica	K20-1-301	Standard	Brd. Sil./Brd.Sil. (heavy build)	Fair	Fair	Good	186
			K20-1-365	Standard	Brd. Sil./Brd.Sil.	Fair	Fair	Good	186
			K20-2-301	Special	Brd. Sil/Brd.Sil. (heavy build)	Fair	Fair	Good	186
			K20-2-365	Special	Brd. Sil./Brd.Sil.	Fair	Fair	Good	186
871	(1600)	High Temp. Fiberglass	J20-1-321	Standard	Brd. HT Gls./Brd. HT Gls.	Good	Good	Good	190
			J20-2-314	Special	Brd. HT Gls./TW	Good	Good	Good	189
			J20-2-321	Special	Brd. HT Gls./Brd. HT Gls.	Good	Good	Good	190
			K20-1-321	Standard	Brd. HT Gls./Brd. HT Gls.	Good	Good	Good	190
			K20-2-314	Special	Brd. HT Gls./TW	Good	Good	Good	189
			K20-2-321	Special	Brd. HT Gls./Brd. HT Gls.	Good	Good	Good	190
538	(1000)	Standard Fiberglass	B20-5-304*	Standard	Brd. Gls./Brd. Gls.	Fair	Good	Good	187
			E20-1-304	Standard	Brd. Gls./Brd. Gls.	Fair	Good	Good	187
			J16-5-313	Standard	Brd. Gls./Brd. Gls.	Good	Good	Good	N/A
			J20-1-304	Standard	Brd. Gls./Brd. Gls.	Fair	Good	Good	187
			J20-1-S-304	Standard	Brd. Gls./Brd. Gls.	Fair	Good	Good	187
			J20-2-304	Special	Brd. Gls./Brd. Gls.	Fair	Good	Good	187
			J20-3-304	Standard	Brd. Gls./Brd. Gls.	Fair	Good	Good	187
			J20-3-S-304	Standard	Brd. Gls./Brd. Gls./SS Brd.	Fair	Good	Good	187
			J24-1-304	Standard	Brd. Gls./Brd. Gls.	Fair	Good	Good	187
			J24-2-304	Special	Brd. Gls./Brd. Gls.	Fair	Good	Good	187
			J24-3-304	Standard	Brd. Gls./Brd. Gls.	Fair	Good	Good	187
			J28-1-305	Standard	Wrp. Dbl. Gls./Brd. Gls.	Fair	Good	Good	188
			J28-2-305	Special	Wrp. Dbl. Gls./Brd. Gls.	Fair	Good	Good	188
			J30-1-305	Standard	Wrp. Dbl. Gls./Brd. Gls.	Fair	Good	Good	188
			J30-2-305	Special	Wrp. Dbl. Gls./Brd. Gls.	Fair	Good	Good	188
			K16-5-313*	Standard	Brd. Gls./Brd. Gls.	Good	Good	Good	N/A
			K20-1-304	Standard	Brd. Gls./Brd. Gls.	Fair	Good	Good	187
			K20-1-S-304	Standard	Brd. Gls./Brd. Gls.	Fair	Good	Good	187
			K20-2-304	Special	Brd. Gls./Brd. Gls.	Fair	Good	Good	187
			K20-3-304	Standard	Brd. Gls./Brd. Gls.	Fair	Good	Good	187
			K20-3-S-304	Standard	Brd. Gls./Brd. Gls./SS Brd.	Fair	Good	Good	187
			K24-1-304	Standard	Brd. Gls./Brd. Gls.	Fair	Good	Good	187
			K24-2-304	Special	Brd. Gls./Brd. Gls.	Fair	Good	Good	187
			K24-2-306	Special	Brd. Gls./Brd. Gls.	Fair	Good	Good	N/A
K24-3-304	Standard	Brd. Gls./Brd. Gls.	Fair	Good	Good	187			

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°C	(°F)					Abrasion Resistance	Moisture Resistance	Chemical Resistance	
538	(1000)	Standard Fiberglass	K28-2-305	Special	Wrp. Dbl. Gls./Brd. Gls.	Fair	Good	Good	188
			K30-1-305	Standard	Wrp. Dbl. Gls./Brd. Gls.	Fair	Good	Good	188
			K30-2-305	Special	Wrp. Dbl. Gls./Brd. Gls.	Fair	Good	Good	188
			S20-5-304*	Standard	Brd. Gls./Brd. Gls.	Fair	Good	Good	187
			T20-1-304	Standard	Brd. Gls./Brd. Gls.	Fair	Good	Good	187
			T24-1-304	Standard	Brd. Gls./Brd. Gls.	Fair	Good	Good	187
427	(800)	Polyimide Tape	J20-1-512	Standard	Tp. P-mide/Tp. P-mide	Excellent	Excellent	Excellent	204
			J20-2-513	Special	Dbl. Tp. P-mide/Dbl. Tp. P-mide	Excellent	Excellent	Excellent	205
			J20-3-512	Standard	Tp. P-mide/Tp. P-mide	Excellent	Excellent	Excellent	204
			J24-2-511	Special	Tp. P-mide/TW	Excellent	Excellent	Excellent	203
			K20-2-513	Special	Dbl. Tp. P-mide/Dbl. Tp. P-mide	Excellent	Excellent	Excellent	205
			K20-3-512	Standard	Tp. P-mide/Tp. P-mide	Excellent	Excellent	Excellent	204
343	(650)	SERV TEX	K16-5-155*	Standard	Brd. Gls./Brd. Stx.	Good	Good	Good	184
			K16-5-157*	Standard	Tp. TFE/Brd. Gls./Brd. Stx.	Good	Good	Good	185
			K16-7-155*	Standard	Brd. Gls./Brd. Stx.	Good	Good	Good	184
			S16-5-157*	Standard	Tp. TFE/Brd. Gls./Brd. Stx.	Good	Good	Good	185
316	(600)	TFE Tape	J20-1-508	Standard	Tp. TFE/Tp. TFE	Good	Excellent	Excellent	198
			J20-2-508	Special	Tp. TFE/Tp. TFE	Good	Excellent	Excellent	198
			J24-1-508	Standard	Tp. TFE/Tp. TFE	Good	Excellent	Excellent	198
			J24-2-508	Special	Tp. TFE/Tp. TFE	Good	Excellent	Excellent	198
			K20-1-508	Standard	Tp. TFE/Tp. TFE	Good	Excellent	Excellent	198
			K20-2-508	Special	Tp. TFE/Tp. TFE	Good	Excellent	Excellent	198
			K24-1-508	Standard	Tp. TFE/Tp. TFE	Good	Excellent	Excellent	198
			K24-2-508	Special	Tp. TFE/Tp. TFE	Good	Excellent	Excellent	198
			T20-2-508	Special	Tp. TFE/Tp. TFE	Good	Excellent	Excellent	198
			T24-1-508	Standard	Tp. TFE/Tp. TFE	Good	Excellent	Excellent	198
288	(550)	PFA	J24-3-516	Standard	PFA/PFA	Good	Excellent	Excellent	206
			K20-1-517	Standard	PFA/TWS/PFA	Good	Excellent	Excellent	N/A
			K24-2-516	Special	PFA/PFA	Good	Excellent	Excellent	206
260	(500)	FEP	E20-1-507	Standard	FEP/FEP	Excellent	Excellent	Excellent	196
			J16-5-509	Standard	FEP/TWS/FEP	Excellent	Excellent	Excellent	199
			J20-1-507	Standard	FEP/FEP	Excellent	Excellent	Excellent	196
			J20-1-509	Standard	FEP/TWS/FEP	Excellent	Excellent	Excellent	199
			J20-2-507	Special	FEP/FEP	Excellent	Excellent	Excellent	196
			J20-3-507	Standard	FEP/FEP	Excellent	Excellent	Excellent	196
			J20-5-507	Standard	FEP/FEP	Excellent	Excellent	Excellent	196
			J20-5-509	Standard	FEP/TWS/FEP	Excellent	Excellent	Excellent	199
J24-1-507	Standard	FEP/FEP	Excellent	Excellent	Excellent	196			

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260	(500)	FEP	J24-2-507	Special	FEP/FEP	Excellent	Excellent	Excellent	196
			J24-3-507	Standard	FEP/FEP	Excellent	Excellent	Excellent	196
			J30-2-506	Special	FEP/FEP	Excellent	Excellent	Excellent	195
			K16-5-509	Standard	FEP/TWS/FEP	Excellent	Excellent	Excellent	199
			K20-1-507	Standard	FEP/FEP	Excellent	Excellent	Excellent	196
			K20-1-509	Standard	FEP/TWS/FEP	Excellent	Excellent	Excellent	199
			K20-2-507	Special	FEP/FEP	Excellent	Excellent	Excellent	196
			K20-2-509	Special	FEP/TWS/FEP	Excellent	Excellent	Excellent	199
			K20-3-507	Standard	FEP/FEP	Excellent	Excellent	Excellent	196
			K20-5-507	Standard	FEP/FEP	Excellent	Excellent	Excellent	196
			K20-5-509	Standard	FEP/TWS/FEP	Excellent	Excellent	Excellent	199
			K24-1-507	Standard	FEP/FEP	Excellent	Excellent	Excellent	196
			K24-2-507	Special	FEP/FEP	Excellent	Excellent	Excellent	196
			K24-3-507	Standard	FEP/FEP	Excellent	Excellent	Excellent	196
			K30-2-506	Special	FEP/FEP	Excellent	Excellent	Excellent	195
			S20-5-507	Standard	FEP/FEP	Excellent	Excellent	Excellent	196
			T20-1-507	Standard	FEP/FEP	Excellent	Excellent	Excellent	196
			T20-1-509	Standard	FEP/TWS/FEP	Excellent	Excellent	Excellent	199
			T20-2-507	Special	FEP/FEP	Excellent	Excellent	Excellent	196
			T20-3-507	Standard	FEP/FEP	Excellent	Excellent	Excellent	196
T24-2-507	Special	FEP/FEP	Excellent	Excellent	Excellent	196			
T30-2-506	Special	FEP/FEP	Excellent	Excellent	Excellent	195			
199	(390)	ETFE	J16-7-515	Standard	ETFE/TWS/ETFE	Excellent	Excellent	Excellent	N/A
			K16-7-515	Standard	ETFE/TWS/ETFE	Excellent	Excellent	Excellent	N/A
105	(221)	PVC	E20-5-502	Standard	PVC/PVC	Good	Excellent	Good	192
			E20-5-510	Standard	PVC/TWS/PVC	Good	Excellent	Good	201
			J16-5-502	Standard	PVC/PVC	Good	Excellent	Good	192
			J16-5-510	Standard	PVC/TWS/PVC	Good	Excellent	Good	201
			J16-5-510-UL	Standard	PVC/TWS/PVC	Good	Excellent	Good	202
			J20-5-1004	Standard	PVC/TWS pr./PVC Cbl.	Good	Excellent	Good	209
			J20-5-1008	Standard	PVC/TWS pr./PVC Cbl.	Good	Excellent	Good	209
			J20-5-502	Standard	PVC/PVC	Good	Excellent	Good	192
			J20-5-510	Standard	PVC/TWS/PVC	Good	Excellent	Good	201
			J20-5-510-UL	Standard	PVC/TWS/PVC	Good	Excellent	Good	202
			J20-7-502	Standard	PVC/PVC	Good	Excellent	Good	192
			J20-7-510	Standard	PVC/TWS/PVC	Good	Excellent	Good	201
			J24-1-505	Standard	PVC/Ripcord	Good	Excellent	Good	194
			J24-2-505	Special	PVC/Ripcord	Good	Excellent	Good	194

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			K16-5-510	Standard	PVC/TWS/PVC	Good	Excellent	Good	201
			K16-5-510-UL	Standard	PVC/TWS/PVC	Good	Excellent	Good	202
			K20-5-1004	Standard	PVC/TWS pr./PVC Cbl.	Good	Excellent	Good	209
			K20-5-1008	Standard	PVC/TWS pr./PVC Cbl.	Good	Excellent	Good	209
			K20-5-502	Standard	PVC/PVC	Good	Excellent	Good	192
			K20-5-510	Standard	PVC/TWS/PVC	Good	Excellent	Good	201
			K20-5-510-UL	Standard	PVC/TWS/PVC	Good	Excellent	Good	202
			K20-7-502	Standard	PVC/PVC	Good	Excellent	Good	192
			K20-7-510	Standard	PVC/TWS/PVC	Good	Excellent	Good	201
			K24-1-505	Standard	PVC/Ripcord	Good	Excellent	Good	194
			K24-2-505	Special	PVC/Ripcord	Good	Excellent	Good	194
			S20-5-502	Standard	PVC/PVC	Good	Excellent	Good	192
			S20-5-510	Standard	PVC/TWS/PVC	Good	Excellent	Good	201
			T16-5-510	Standard	PVC/TWS/PVC	Good	Excellent	Good	201
			T20-5-1004	Standard	PVC/TWS pr./PVC Cbl.	Good	Excellent	Good	209
			T20-5-1008	Standard	PVC/TWS pr./PVC Cbl.	Good	Excellent	Good	209
			T20-5-502	Standard	PVC/PVC	Good	Excellent	Good	192
T20-5-510	Standard	PVC/TWS/PVC	Good	Excellent	Good	201			
T20-7-502	Standard	PVC/PVC	Good	Excellent	Good	192			
T24-1-505	Standard	PVC/Ripcord	Good	Excellent	Good	194			
T24-2-505	Special	PVC/Ripcord	Good	Excellent	Good	194			
88	(190)	Cotton	J30-2-308-002	Special	Dbl. Wrp. Cot./Brd. Cot.	Fair	Fair	Poor	N/A
RTD Lead Wire									
538	(1000)	Standard Fiberglass	RT3-24-8-705	N/A	Brd. Gls./TW/Brd. Gls.	Fair	Good	Good	210
260	(500)	FEP	RT3-22-8-704	N/A	FEP/TW/FEP	Excellent	Excellent	Excellent	210
105	(221)	PVC	RT3-22-4-701	N/A	PVC/TW/PVC	Good	Excellent	Good	210

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Legend:

Brd. = Braided
 Gls. = Fiberglass
 TWS. = Twisted and shielded
 HT = High temperature
 Tp. = Taped
 P-mide = Polyimide

Cbl. = Cable
 TW. = Twisted
 Wrp. = Wrapped
 Dbl. = Double
 Cot. = Cotton
 Stx. = SERV TEX synthetic braid

C.Fbr = Ceramic fiber
 Sil. = Vitreous silica
 pr. = Pair
 Std. = Standard
 Spc. = Special