KTKK Product Family Overview

Applications

KTKK cable assemblies are one-part assemblies for screened and unscreened cables. Constructed from heat-shrinkable screened molded parts and connector adapters, the assembly consists of parts already well proven in harsh military environments.

Installation is simply effected by coupling the adapter to the connector and shrinking the rear of the molded part onto the cable with a hot air gun.

The molded part has a hot-melt adhesive preinstalled to provide a bond between the cable jacket and the molded part.

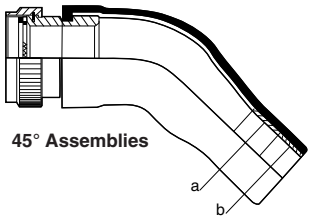
When used in conjunction with shielded (screened) cables, the assembly provides electrical continuity between the cable shield and the connector with Rayaten molded parts.

Rayaten molded parts are shielded, heat-shrinkable parts providing shielding levels better than 80 dB at 100 MHz.

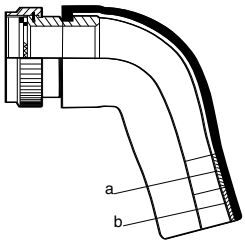
Assembly Types



Straight Assemblies



45° Assemblies



90° Assemblies

a = Preinstalled conductive adhesive for use with Rayaten screened molded parts only.

b = Preinstalled environment adhesive for use with screened and unscreened KTKK assemblies (see “Preinstalled adhesives,” page 7-9).

Materials Available

Material		Specification
-25 fluid-resistant modified elastomer	-25S fluid-resistant modified elastomer; shielded	RW-2077
-100 low-fire-hazard material	-100S low-fire-hazard; shielded	RW-2078

Precoated Adhesives

Material	Available Coatings (Unshielded)	Available Coatings (Shielded)
-25	S1048 (/86) high-temperature hot-melt adhesive	—
-25S	—	S1030 (/180) low-fire-hazard hot-melt adhesive
-100	S1030 (/180) low-fire-hazard hot-melt adhesive	—
-100S	—	S1275 conductive adhesive for use with Rayaten molded parts.

Available in:	Americas	Europe	Asia Pacific
	■	■	■

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KTKK Assemblies Screened

Pattern 105 Connectors or Connector Code 76

25S Fluid Resistant Elastomer

Connector Shell Size	Straight Assemblies		90° Assemblies	
	Part Number	Cable O.D. Range	Part Number	Cable O.D. Range
08	KTKK 0520	5.0-8.0 [.197-.315]	—	—
10	KTKK 0521	6.0-13.0 [.236-.512]	KTKK 1051	6.0-13.0 [.236-.512]
12	KTKK 0522	7.2-15.0 [.283-.591]	KTKK 1052	7.2-15.0 [.283-.591]
14	KTKK 0523	7.2-15.0 [.283-.591]	KTKK 1053	7.2-15.0 [.283-.591]
16	KTKK 0524	8.5-19.0 [.335-.748]	KTKK 1054	8.5-19.0 [.335-.748]
18	KTKK 0525	8.5-20.0 [.335-.748]	KTKK 1055	8.5-19.0 [.335-.748]
20	KTKK 0526	10.0-24.0 [.394-.945]	KTKK 1056	10.0-24.0 [.394-.945]
22	KTKK 0527	10.0-24.0 [.394-.945]	KTKK 1057	10.0-24.0 [.394-.945]
24	KTKK 0528	15.8-33.0 [.622-1.299]	KTKK 1058	15.8-33.0 [.622-1.299]

100S Low Fire Hazard Material

08	KTKK 0465	5.0-7.0 [.197-.276]	—	—
10	KTKK 0466	6.0-9.0 [.236-.354]	KTKK 1251	6.0-9.0 [.236-.354]
12	KTKK 0467	7.2-11.0 [.283-.433]	KTKK 1252	7.2-11.0 [.283-.433]
14	KTKK 0468	7.2-11.0 [.283-.433]	KTKK 1253	7.2-11.0 [.283-.433]
16	KTKK 0469	8.5-17.0 [.335-.669]	KTKK 1254	8.5-17.0 [.335-.669]
18	KTKK 0470	8.5-17.0 [.335-.669]	KTKK 1255	8.5-17.0 [.335-.669]
20	KTKK 0471	10.0-21.0 [.394-.827]	KTKK 1256	10.0-21.0 [.394-.827]
22	KTKK 0472	10.0-21.0 [.394-.827]	KTKK 1257	10.0-21.0 [.394-.827]
24	KTKK 0473	15.8-29.0 [.622-1.142]	KTKK 1258	15.8-29.0 [.622-1.142]

Pattern 602 Connectors or Connector Code 54

25S Fluid Resistant Elastomer

Connector Shell Size	Straight Assemblies		90° Assemblies	
	Part Number	Cable O.D. Range	Part Number	Cable O.D. Range
08	KTKK 0840	5.0-8.0 [.197-.315]	—	—
10	KTKK 0841	6.0-13.0 [.236-.512]	KTKK 0851	6.0-13.0 [.236-.512]
12	KTKK 0842	7.2-15.0 [.283-.591]	KTKK 0852	7.2-15.0 [.283-.591]
14	KTKK 0843	7.2-15.0 [.283-.591]	KTKK 0853	7.2-15.0 [.283-.591]
16	KTKK 0844	8.5-19.0 [.335-.748]	KTKK 0854	8.5-19.0 [.335-.748]
18	KTKK 0845	8.5-19.0 [.335-.748]	KTKK 0855	8.5-19.0 [.335-.748]
20	KTKK 0846	10.0-24.0 [.394-.945]	KTKK 0856	10.0-24.0 [.394-.945]
22	KTKK 0847	10.0-24.0 [.394-.945]	KTKK 0857	10.0-24.0 [.394-.945]
24	KTKK 0848	15.8-33.0 [.622-1.299]	KTKK 0858	15.8-33.0 [.622-1.299]

100S Low Fire Hazard Material

08	KTKK 0612	5.0-7.0 [.197-.276]	—	—
10	KTKK 0613	6.0-9.0 [.236-.354]	KTKK 1241	6.0-9.0 [.236-.354]
12	KTKK 0614	7.2-11.0 [.283-.433]	KTKK 1242	7.2-11.0 [.283-.433]
14	KTKK 0615	7.2-11.0 [.283-.433]	KTKK 1243	7.2-11.0 [.283-.433]
16	KTKK 0616	8.5-17.0 [.335-.669]	KTKK 1244	8.5-17.0 [.335-.669]
18	KTKK 0617	8.5-17.0 [.335-.669]	KTKK 1245	8.5-17.0 [.335-.669]
20	KTKK 0618	10.0-21.0 [.394-.827]	KTKK 1246	10.0-21.0 [.394-.827]
22	KTKK 0619	10.0-21.0 [.394-.827]	KTKK 1247	10.0-21.0 [.394-.827]
24	KTKK 0620	15.8-29.0 [.622-1.142]	KTKK 1248	15.8-29.0 [.622-1.142]

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KTKK Assemblies Screened (Continued)

Pattern 608 Connectors or Connector Code 79

100S Low Fire Hazard Material

Connector Shell Size	Straight Assemblies		45° Assemblies		90° Assemblies	
	Part Number	Cable O.D. Range (mm)	Part Number	Cable O.D. Range (mm)	Part Number	Cable O.D. Range (mm)
08	KTKK 0444	5.0-7.0 [.197-.276]	KTKK 0580	5.0-7.0 [.197-.276]	—	—
10	KTKK 0445	6.0-9.0 [.236-.354]	KTKK 0581	6.0-9.0 [.236-.354]	KTKK 1021	6.0-9.0 [.236-.512]
12	KTKK 0446	7.2-11.0 [.283-.433]	KTKK 0582	7.2-11.0 [.283-.433]	KTKK 1022	7.2-11.0 [.283-.591]
14	KTKK 0447	7.2-11.0 [.283-.433]	KTKK 0583	7.2-11.0 [.283-.433]	KTKK 1023	7.2-11.0 [.283-.591]
16	KTKK 0448	8.5-17.0 [.335-.669]	KTKK 0584	8.5-17.0 [.335-.669]	KTKK 1024	8.5-17.0 [.335-.748]
18	KTKK 0449	8.5-17.0 [.335-.669]	KTKK 0585	8.5-17.0 [.335-.669]	KTKK 1025	8.5-17.0 [.335-.748]
20	KTKK 0450	10.0-21.0 [.394-.827]	KTKK 0586	10.0-21.0 [.394-.827]	KTKK 1026	10.0-21.0 [.394-.827]
22	KTKK 0451	10.0-21.0 [.394-.827]	KTKK 0587	10.0-21.0 [.394-.827]	KTKK 1027	10.0-21.0 [.394-.827]
24	KTKK 0452	15.8-29.0 [.622-1.142]	KTKK 0588	15.8-29.0 [.622-1.142]	KTKK 1028	15.8-29.0 [.622-1.142]

38999 Series III and IV Connectors or Connector Code 40- Cadmium Plated

25S Fluid Resistant Elastomer

Connector Shell Size	Straight Assemblies		45° Assemblies		90° Assemblies	
	Part Number	Cable O.D. Range (mm)	Part Number	Cable O.D. Range (mm)	Part Number	Cable O.D. Range (mm)
08	KTKK 1110	5.0-8.0 [.197-.315]	KTKK 1120	5.0-7.0 [.197-.276]	—	—
10	KTKK 1111	6.0-13.0 [.236-.512]	KTKK 1121	6.0-9.0 [.236-.354]	KTKK 1131	6.0-13.0 [.236-.512]
12	KTKK 1112	7.2-15.0 [.283-.591]	KTKK 1122	7.2-11.0 [.283-.433]	KTKK 1132	7.2-15.0 [.283-.591]
14	KTKK 1113	7.2-15.0 [.283-.591]	KTKK 1123	7.2-11.0 [.283-.433]	KTKK 1133	7.2-15.0 [.283-.591]
16	KTKK 1114	8.5-19.0 [.335-.748]	KTKK 1124	8.5-17.0 [.335-.669]	KTKK 1134	8.5-19.0 [.335-.748]
18	KTKK 1115	8.5-19.0 [.335-.748]	KTKK 1125	8.5-17.0 [.335-.669]	KTKK 1135	8.5-19.0 [.335-.748]
20	KTKK 1116	10.0-24.0 [.394-.945]	KTKK 1126	10.0-21.0 [.394-.827]	KTKK 1136	10.0-24.0 [.394-.945]
22	KTKK 1117	10.0-24.0 [.394-.945]	KTKK 1127	10.0-21.0 [.394-.827]	KTKK 1137	10.0-24.0 [.394-.945]
24	KTKK 1118	15.8-33.0 [.622-1.299]	KTKK 1128	15.8-29.0 [.622-1.142]	KTKK 1138	15.8-33.0 [.622-1.299]

100S Low Fire Hazard Material

08	KTKK 0670	5.0-7.0 [.197-.276]	KTKK 0660	5.0-7.0 [.197-.276]	—	—
10	KTKK 0671	6.0-9.0 [.236-.354]	KTKK 0661	6.0-9.0 [.236-.354]	KTKK 1181	6.0-9.0 [.236-.354]
12	KTKK 0672	7.2-11.0 [.283-.433]	KTKK 0662	7.2-11.0 [.283-.433]	KTKK 1182	7.2-11.0 [.283-.433]
14	KTKK 0673	7.2-11.0 [.283-.433]	KTKK 0663	7.2-11.0 [.283-.433]	KTKK 1183	7.2-11.0 [.283-.433]
16	KTKK 0674	8.5-17.0 [.335-.669]	KTKK 0664	8.5-17.0 [.335-.669]	KTKK 1184	8.5-17.0 [.335-.669]
18	KTKK 0675	8.5-17.0 [.335-.669]	KTKK 0665	8.5-17.0 [.335-.669]	KTKK 1185	8.5-17.0 [.335-.669]
20	KTKK 0676	10.0-21.0 [.394-.827]	KTKK 0666	10.0-21.0 [.394-.827]	KTKK 1186	10.0-21.0 [.394-.827]
22	KTKK 0677	10.0-21.0 [.394-.827]	KTKK 0667	10.0-21.0 [.394-.827]	KTKK 1187	10.0-21.0 [.394-.827]
24	KTKK 0678	15.8-29.0 [.622-1.142]	KTKK 0668	15.8-29.0 [.622-1.142]	KTKK 1188	15.8-29.0 [.622-1.142]

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KTKK Assemblies Screened (Continued)

38999 Series III and IV Connectors or Connector Code 40- Ni Al Bronze

100S Low Fire Hazard Material

Connector Shell Size	Straight Assemblies		90° Assemblies	
	Part Number	Cable O.D. Range	Part Number	Cable O.D. Range
08	KTKK 2610	5.0-7.0 [.197-.276]	—	—
10	KTKK 2611	6.0-9.0 [.236-.354]	KTKK 2621	6.0-9.0 [.236-.354]
12	KTKK 2612	7.2-11.0 [.283-.433]	KTKK 2622	7.2-11.0 [.283-.433]
14	KTKK 2613	7.2-11.0 [.283-.433]	KTKK 2623	7.2-11.0 [.283-.433]
16	KTKK 2614	8.5-17.0 [.335-.669]	KTKK 2624	8.5-17.0 [.335-.669]
18	KTKK 2615	8.5-17.0 [.335-.669]	KTKK 2625	8.5-17.0 [.335-.669]
20	KTKK 2616	10.0-21.0 [.394-.827]	KTKK 2626	10.0-21.0 [.394-.827]
22	KTKK 2617	10.0-21.0 [.394-.827]	KTKK 2627	10.0-21.0 [.394-.827]
24	KTKK 2618	15.8-29.0 [.622-1.142]	KTKK 2628	15.8-29.0 [.622-1.142]

38999 Series I and II Connectors or Connector Code 41

25S Fluid Resistant Elastomer

Connector Shell Size	Straight Assemblies		90° Assemblies	
	Part Number	Cable O.D. Range	Part Number	Cable O.D. Range
08	KTKK 0500	5.0-8.0 [.197-.315]	—	—
10	KTKK 0501	6.0-13.0 [.236-.512]	KTKK 0831	6.0-13.0 [.236-.512]
12	KTKK 0502	7.2-15.0 [.283-.591]	KTKK 0832	7.2-15.0 [.283-.591]
14	KTKK 0503	7.2-15.0 [.283-.591]	KTKK 0833	7.2-15.0 [.283-.591]
16	KTKK 0504	8.5-19.0 [.335-.748]	KTKK 0834	8.5-19.0 [.335-.748]
18	KTKK 0505	8.5-19.0 [.335-.748]	KTKK 0835	8.5-19.0 [.335-.748]
20	KTKK 0506	10.0-24.0 [.394-.945]	KTKK 0836	10.0-24.0 [.394-.945]
22	KTKK 0507	10.0-24.0 [.394-.945]	KTKK 0837	10.0-24.0 [.394-.945]
24	KTKK 0508	15.8-33.0 [.622-1.299]	KTKK 0838	15.8-33.0 [.622-1.299]

100S Low Fire Hazard Material

08	KTKK 0640	5.0-7.0 [.197-.276]	—	—
10	KTKK 0641	6.0-9.0 [.236-.354]	KTKK 0721	6.0-9.0 [.236-.354]
12	KTKK 0642	7.2-11.0 [.283-.433]	KTKK 0722	7.2-11.0 [.283-.433]
14	KTKK 0643	7.2-11.0 [.283-.433]	KTKK 0723	7.2-11.0 [.283-.433]
16	KTKK 0644	8.5-17.0 [.335-.669]	KTKK 0724	8.5-17.0 [.335-.669]
18	KTKK 0645	8.5-17.0 [.335-.669]	KTKK 0725	8.5-17.0 [.335-.669]
20	KTKK 0646	10.0-21.0 [.394-.827]	KTKK 0726	10.0-21.0 [.394-.827]
22	KTKK 0647	10.0-21.0 [.394-.827]	KTKK 0727	10.0-21.0 [.394-.827]
24	KTKK 0648	15.8-29.0 [.622-1.142]	KTKK 0728	15.8-29.0 [.622-1.142]

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