It is well known that yarn produced using the compact spinning technique, which has been introduced as one of the best spinning innovations of this century, has superior yarn structure and quality, especially in terms of hairiness and strength. However, there are different compact spinning systems on the market from different manufacturers and information concerning the favorable and unfavorable properties of each would be of great interest. In this study, we compared the properties of yarn spun on the three main compact spinning systems commonly used today. To maintain impartiality it was preferable to refer to these three systems as system A, system B, and system C instead of using their trade names. It was found that system B seemed to be more suitable for finer yarns whereas system A generally gave better results for medium to coarse counts.