

## CTL DECISION SHEET

<p><b>Standard(s):</b> IEC 60245-3 : am1 ed.2.0 IEC 60245-4 : ed.2.2 IEC 60245-5 : am1 ed.2.0 IEC 60245-6 : am1 am2 ed.2.0 IEC 60245-7 : am1 ed.1.0 IEC 60245-8 : am1 ed.1.0</p>	<p><b>Sub clause(s):</b></p>	<p><b>Sheet n°:</b> DSH 661</p>
<p><b>Subject:</b> Samples required for all the rubber insulated cables</p>	<p><b>Key words:</b> - Samples - rubber insulated cables</p>	<p><b>Approved at the 45<sup>th</sup> CTL Plenary Meeting in Prague in 2008</b></p>
<p><b>Question:</b> Please improve the clarity of the table “samples to be selected when testing according to IEC 60245” .</p> <p><b>Decision:</b> Please see attachment table 1.</p> <p><b>Explanatory Notes:</b> When a CBTC covers all colours it may be sufficient to test white and black. Each sample shall have a length of not less than 50m. In the case of larger sizes, shorter lengths may be taken.</p> <p>“approximately minimum (maximum ) cross-section” means the minimum (maximum) cross-section or one specification larger (smaller) than minimum (maximum) cross-section in relevant standards.</p> <p>“approximately minimum (maximum) number of cores” means the minimum ( maximum ) number of cores or one specification more (less) than minimum number of cores in relevant standards.</p>		

Table 1 Samples to be selected when testing according to IEC 60245

Code designation concerned	Number of cores and nominal cross-sectional areas concerned	Colours	Type of cables and cords	Number and size of samples to be tested
60245 IEC 03	All	All	Heat resistant silicon insulated cable for a conductor temperature of maximum 180	1 sample of approximately minimum cross-section, 1 sample of approximately maximum cross-section
60245 IEC 53	All	All	Ordinary tough rubber sheathed cord	1 sample of approximately minimum cross-section and approximately maximum number of cores, 1 sample of approximately maximum cross-section and approximately minimum number of cores
60245 IEC 57	All	All	Ordinary polychloroprene or other equivalent synthetic elastomer sheathed cord	1 sample of approximately minimum cross-section and approximately maximum number of cores, 1 sample of approximately maximum cross-section and approximately minimum number of cores
60245 IEC 66	All	All	Heavy polychloroprene or other equivalent synthetic elastomer sheathed flexible cable	1 sample of approximately minimum cross-section and approximately maximum number of cores, 1 sample of approximately maximum cross-section and approximately minimum number of cores
60245 IEC 58 60245 IEC 58f	All	All	Polychloroprene or equivalent synthetic elastomer sheathed cable for decorative chains	1 sample round, 1 sample flat
60245 IEC 70	All	All	Braided lift cable for normal use	1 sample of approximately maximum number of cores

60245 IEC 74	All	All	Tough rubber sheathed lift cable for normal use	1 sample of approximately maximum number of cores
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Table 1 Samples to be selected when testing according to IEC 60245 (continued)

Code designation concerned	Number of cores and nominal cross-sectional areas concerned	Colours	Type of cables and cords	Number and size of samples to be tested
60245 IEC 75	All	All	Polychloroprene or other equivalent synthetic elastomer sheathed lift cable for normal use	1 sample of approximately maximum number of cores
60245 IEC 81	All	All	Rubber sheathed arc welding electrode cable	1 sample of approximately minimum cross-section, 1 sample of approximately maximum cross-section
60245 IEC 82	All	All	Polychloroprene or other equivalent synthetic elastomer sheathed arc welding electrode cable	1 sample of approximately minimum cross-section, 1 sample of approximately maximum cross-section
60245 IEC 04	All	All	Heat resistant ethylene-vinyl acetate rubber or other equivalent synthetic elastomer insulated, single-core, non-sheathed 750V cable for a maximum conductor temperature of 110°C	1 sample of approximately minimum cross-section, 1 sample of approximately maximum cross-section 1 sample with solid conductor, 1 sample with strand conductor
60245 IEC 05	All	All		1 sample of approximately minimum cross-section, 1 sample of approximately maximum cross-section
60245 IEC 06	All	All	Heat resistant ethylene-vinyl acetate rubber or other equivalent synthetic elastomer insulated, single-core, non-sheathed 500V cable for a maximum conductor temperature of 110°C	1 sample
60245 IEC 07	All	All		1 sample
60245 IEC 86	All	All	Rubber insulated and sheathed cords for applications requiring high flexibility	1 sample of approximately minimum cross-section and approximately maximum number of cores

Table 1 Samples to be selected when testing according to IEC 60245 (continued)

Code designation concerned	Number of cores and nominal cross-sectional areas concerned	Colours	Type of cables and cords	Number and size of samples to be tested
60245 IEC 88	All	All	Cross-linked PVC(XLPVC) insulated and sheathed cords for applications requiring high flexibility	1 sample of approximately minimum cross-section and approximately maximum number of cores
60245 IEC 89	All	All	EPR insulated and braided cord for applications requiring high flexibility	1 sample of approximately minimum cross-section and approximately maximum number of cores