

CTL DECISION SHEET

<p>Standard(s): IEC 60227-3 : ed.2.1 IEC 60227-4 : ed.2.1 IEC 60227-5 : ed.2.2 IEC 60227-6 : ed.3.0 IEC 60227-7 : ed.1.1</p>	<p>Sub clause(s):</p>	<p>Sheet n°: DSH - 660</p>
<p>Subject: Samples required for all the polyvinyl chloride insulated cables</p>	<p>Key words: - Samples - polyvinylchloride insulated cables</p>	<p>Approved at the 45th CTL Plenary Meeting in Prague in 2008</p>
<p>Question: Please improve the clarity of the table “samples to be selected when testing according to IEC 60227”.</p> <p>Decision: Please see attachment table 1.</p> <p>Explanatory Notes: 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 large 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> <p>This DSH deletes and replaces DSHs 375 and 556</p>		

Table 1 Samples to be selected when testing according to IEC60227

Code designation concerned	Number of cores and nominal cross-sectional areas concerned	Colors	Type of cables and cords	Number and size of samples to be tested
60227 IEC 01	All	All	Single-core non-sheathed cable with rigid conductor for general purpose	1 sample of approximately minimum cross-section, 1 sample of approximately maximum cross-section
60227 IEC 02	All	All	Single-core non-sheathed cable with flexible conductor for general purpose	1 sample of approximately minimum cross-section, 1 sample of approximately maximum cross-section
60227 IEC 05	All	All	Single-core non-sheathed cable with solid conductor for internal wiring for a conductor temperature of 70°C	1 sample
60227 IEC 06	All	All	Single-core non-sheathed cable with flexible conductor for internal wiring for a conductor temperature of 70 °C	1 sample
60227 IEC 07	All	All	Single-core non-sheathed cable with solid conductor for internal wiring for a conductor temperature of 90°C	1 sample
60227 IEC 08	All	All	Single-core non-sheathed cable with flexible conductor for internal wiring for a conductor temperature of 90 °C	1 sample
60227 IEC 10	All	All	Light polyvinyl chloride sheathed 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
60227 IEC 41	All	All	Flat tinsel cord	1 sample
60227 IEC 43	All	All	Cord for indoor decorative lighting chains	1 sample
60227 IEC 52	All	All	Light polyvinyl chloride sheathed cord	1 sample round, 1 sample flat

Table 1 Samples to be selected when testing according to IEC60227 (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
60227 IEC 53	All	All	Ordinary polyvinyl chloride sheathed cord	For round: 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 For flat: 1 sample
60227 IEC 56	All	All	Heat-resistant light PVC-sheathed cord for a maximum conductor temperature of 90°C	1 sample round, 1 sample flat
60227 IEC 57	All	All	Heat-resistant ordinary PVC-sheathed cord for a maximum conductor temperature of 90°C	For round: 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 For flat: 1 sample
60227 IEC 71f	All	All	Flat polyvinyl chloride sheathed lift cable and cable for flexible connections	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
60227 IEC 71c	All	All	Circular polyvinyl chloride sheathed lift cable and cable for flexible connections	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
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Table 1 Samples to be selected when testing according to IEC60227 (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
60227 IEC 74	All	All	Oil resistance, polyvinyl chloride sheathed, screened 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
60227 IEC 75	All	All	Oil resistance, polyvinyl chloride sheathed, unscreened 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