

GNB-CPR All	Co-ordination of the Group of Notified Bodies for the Construction Products Regulation 305/2011/EU	NB-CPR/SG22-084 Issued: March 4 th , 2024 Draft
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Input form – GNB-CPR Guidance Base

1	Type of issue ("H", "SH", or "V")	SH
2	Responsible group ("SGxx", "SHxx", or "GNB-AG")	SG22
3	Status (Guidance or information)	Guidance
4	Harmonised specification(s) (EN xx xxx:yyyy or EAD no. xxxx)	EN 50576:2022
5	Supporting standard references (Number of standard(s) EN xx xxx:yyyy)	
6	Question / problem (Max 500 characters incl. spaces)	<p>Power cable families §4.1.2:</p> <p>In case of an armoured family is composed by single core and multi core cables, shall the family be split, or not?</p> <p>Four families are defined:</p> <p>— armoured cables;</p> <p>— unarmoured multicore cables;</p> <p>— single core sheathed cables;</p> <p>— single core unsheathed cables;"</p>
7	Answer / solution / Guidance (Max 500 characters incl. spaces)	<p>The single core armoured cables and the multi core armoured cables are a two different families because a concentric construction is a different design element.</p> <p>Five families shall be defined:</p> <p>— armoured multicore cables: $d_{min}=5,1\text{ mm}$; $d_{max}=62,0\text{ mm}$; $\chi_{min}=2$; $\chi_{max}=82$;</p> <p>— unarmoured multicore cables: $d_{min}=5,1\text{ mm}$; $d_{max}=52,0\text{ mm}$; $\chi_{min}=4$; $\chi_{max}=73$;</p> <p>— single core sheathed cables: $d_{min}=5,1\text{ mm}$; $d_{max}=29,0\text{ mm}$; $\chi_{min}=2$; $\chi_{max}=20$;</p> <p>— single core unsheathed cables: $d_{min}=5,1\text{ mm}$; $d_{max}=25,0\text{ mm}$; $\chi_{min}=2$; $\chi_{max}=115$;</p> <p>— armoured single core cables: $d_{min}=5,1\text{ mm}$; $d_{max}=62,0\text{ mm}$; $\chi_{min}=2$; $\chi_{max}=82$;</p>
8	CPR reference Article X(Y)	
9	AVCP system(s) System(s) 1+, 1, 2+, 3 and/or 4.	1+, 3
10	Accreditation standard references Standard no., clause x.x	
11	GNB-CPR reference Document(s) no., clause x.x	
12	Issue submitted by (Name, e-mail address, date)	NB 0051 IMQ SpA - 26-02-2024