

SOLARIXPEDIA

CPR: Reaction to Fire Classes for Communication Cables

Flammable

Least flammable



Fca

Eca

Dca

Cca

B2ca

TEST ACCORDING TO EN 50399

- Burner: 20.5 kW
- Test duration: 1200 s (20 minutes)
- Class classification according to EN 13501-6
- **Fca** - does not meet the requirements of any of the classes Eca to B2ca
- **Eca** - test only according to EN 60332-1-2
- **Dca**, **Cca** and **B2ca** - test according to EN 60332-1-2 and EN 50399

CLASSIFICATION PARAMETERS - REACTION TO FIRE CLASSES

Class reaction	FS Fire Spread	THR Total Heat Release	Peak HRR Heat Release Rate	FIGRA Fire Growth Rate Index	AVCP
Fca	Not tested, does not meet the requirements of any of the classes from Eca to B2ca				AVCP 4
Eca	Test only according to EN 60332-1-2, i.e. not according to EN 50399 as with Dca, Cca and B2ca				AVCP 3
Dca	N/A	≤ 70 MJ	≤ 400 kW	≤ 1 300 Ws ⁻¹	AVCP 3
Cca	≤ 2.0 m	≤ 30 MJ	≤ 60 kW	≤ 300 Ws ⁻¹	AVCP 1+
B2ca	≤ 1.5 m	≤ 15 MJ	≤ 30 kW	≤ 150 Ws ⁻¹	AVCP 1+