

EU Construction Product Regulation for cables (CPR)

❖ What is CPR? What Are The Requirements?



- European Union Requirement for cables to comply with Regulation #305/2011
- Regulations apply to all permanently installed cables within buildings (and underground)
- Regulates the Requirements of Reaction to Fire Performance
- Various classes of Performance (EN-50575)
- Effective July 1, 2017

❖ CPR Hierarchy Established

Fire Class (Euroclass) Established– (Aca Highest)

Aca	Non-Combustible
B1ca	Low Fire Hazard (EN50399-30kW)
B2ca	LFH (EN50399-20.5kW)-lower Heat Release
Cca	LFH (EN50399-20.5kW)-Mod.Heat Release
Dca	LFH (EN50399-20.5kw)-High Heat Release
Eca	Entry Fire Level (EN 60332-1-2)
Fca	No FR Performance

❖ CPR Additional Classes



- Adds additional test levels for:
 - Smoke (s1, s1a, s1b, s2,s3)
 - Acidity (a1, a2,a3)
 - Flaming Droplets (d0, d1, d2)
- Applies to Euroclass Dca and Higher
- A cables complex rating may end up being: “Cca,s1b,a1,d2” for that particular cable

❖ Where is Times Microwave Now?

We have qualified the following cables:

Sample	Our CPR test results	DoP#
LMR-195-FR	Cca-s2, d0, a1	DoP 1005
LMR-200-FR	Cca-s2, d0, a1	DoP 1005
LMR-240-FR	Cca-s2, d0, a1	DoP 1005
LMR-300-FR	B2ca-s1a, d0, a1	DoP 1006
LMR-400-FR	B2ca-s1a, d0, a1	DoP 1006
LMR-500-FR	B2ca-s1a, d0, a1	DoP 1006
LMR-600-FR	B2ca-s1a, d0, a1	DoP 1006
LMR-900-FR	B2ca-s1a, d0, a1	DoP 1006
LMR-1200-FR	B2ca-s1a, d0, a1	DoP 1006
LMR-1700-FR	B2ca-s1a, d0, a1	DoP 1006

DOP (Declarations of Performance)

- Required to document performance
- Have been added to TMS website under “Quality” Section and “compliance” area

CE Marking Tags



- All Cable reels entering EU must have CE Tag
- Times has generated CE Tags for all DoP Products
- References Manufacturer and DoP Level
- No special marking on Cable is Required

Where are We Going?

- Additional Cable Qual's will be Obtained
- B2ca level appears to be the Highest FR Level that will be achieved (Cca for smaller - FR)
- Smoke, Acid, Droplets-Tested per DoP
- Estimated Time: Frame of 3-4 months for New Product Testing and Certifications



TIMES MICROWAVE SYSTEMS

❖ TMS CPR/FR-LSZH Contact



ALL CPR/CE, FR, LSZH, UL and IEC Compliance
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