

# 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 and Technical Questions Should Be Directed to:

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