



CitiPower/Powercor Technical Standards Update for November 2021

Please ensure that this information is passed on to all employees and contractors within your organisation.

The following updates are relevant to all technical, field employees and contractors undertaking design, construction and maintenance activities on the CitiPower and Powercor networks.

Technical Standards are available on our [Contractor Portal](#).

All new design and construction proposals commenced after the 10 January 2022 are required to comply with these updates.

If you have further questions, please contact the relevant team member associated with the published documents.

Standard Category	Technical Standard	Description	Overview	Impacted Key Stakeholder(s)
E-Overhead	EE011	Distribution Construction Standard - Crossarms - Vertical Loading	Standards updated to include limit state design requirements as per AS/NZS7000. Contact: Madhuka Ganegoda (03) 9683 4267	DESIGN CONSTRUCTION MAINTENANCE
	EE021	Distribution Construction Standard - Crossarms - Strain Loading		
	EE031	Distribution Construction Standard - Crossarms - Strain Selection		

Standard Category	Technical Standard	Description	Overview	Impacted Key Stakeholder(s)
F - Public Lighting	FA081	Distribution Construction Standard - Public Lighting - Servicing Arrangements	Standards updated to include details of new 25mm ² 4c aluminium cable to be used in copper theft areas. Contact: Terry Spitalieri (03) 9683 4197	DESIGN CONSTRUCTION FAULTS MAINTENANCE
	FB111	Distribution Construction Standard - Public Lighting Structure, UG Supply, Category V - Impact Absorbing (Frangible) Columns		
	FB121	Distribution Construction Standard - Public Lighting Structure, UG Supply, Category V - Slip-Base (Frangible) Columns		
	FB131	Distribution Construction Standard - Public Lighting Structure, UG Supply, Category V - Concrete (Non-Frangible) Columns		
	FB132	Distribution Construction Standard - Public Lighting Structure, UG Supply, Category V - Plate Setting Steel (Non-Frangible) Columns		
	FB133	Distribution Construction Standard - Public Lighting Structure, UG Supply, Category V - Standard Decorative Steel (Non-Frangible) Columns		
	FB151	Distribution Construction Standard - Public Lighting Structure, UG Supply, Category V - Centre Hinged Steel Columns		
	FC001	Distribution Construction Standard - Public Lighting - Cables - General Information		
	FC101	Distribution Construction Standard - Public Lighting - Cables - Underground Supply Cable Assembly		
	FC901-961	Distribution Material Standard - Public Lighting - Cables		
	FM011	Distribution Construction Standard - Public Lighting - Connections		

<i>Standard Category</i>	<i>Technical Standard</i>	<i>Description</i>	<i>Overview</i>	<i>Impacted Key Stakeholder(s)</i>
Material Change Advice (MCA)	M2-21	Material Change Advice - Cubis Systems Service Pit Update	Material Change Advice (MCA) issued for new design Cubis Systems service pit. Contact: Alan Su (03) 9683 4328	DESIGN CONSTRUCTION MAINTENANCE
Permitted Materials	PM003	Permitted Materials - Cable	Permitted Material list updated with details on new 25mm ² 4c aluminium cable Contact: Terry Spitalieri (03) 9683 4197	DESIGN CONSTRUCTION PROJECT MANAGEMENT OPTION 2 CONTRACTORS
	PM020	Permitted Materials - Service Pits	Permitted Material list updated with new design Cubis Systems service pit. Contact: Alan Su (03) 9683 4328	

LEGEND HIGH IMPACT MEDIUM IMPACT LOW IMPACT
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EE011, EE021 and EE031 – standards update

Key changes*

Release date: 10 December 2021

**Please refer to official standard for details*

What has changed?:

- Technical Standards EE011, EE021 and EE031 have been updated to include limit state design requirements and crossarm loading tables as per Australian Standard AS/NZS7000 (Overhead line design).

Why?:

- The standards have been updated to comply with AS/NZS7000 and to allow for design checks to be undertaken.

FA, FB, FC & FM Series - Public Lighting Scheme Copper Theft Mitigation

Key changes*

Release date: 10 December 2021

**Please refer to official standard for details*

What has changed?:

- Technical Standards FC001, FC101 and FC901-961 have been updated with details of the new 25mm² 4c aluminium public lighting cable (Figure 2).
- Technical Standards FA081, FB111, FB121, FB131, FB132, FB133, FB151 and FM011 have been updated to include details of the new 25mm² 4c aluminium public lighting cable in the connection diagrams (Figure 1).

Why?:

- The new 25mm² 4c aluminium public lighting cable has been introduced to mitigate the theft of copper cable.

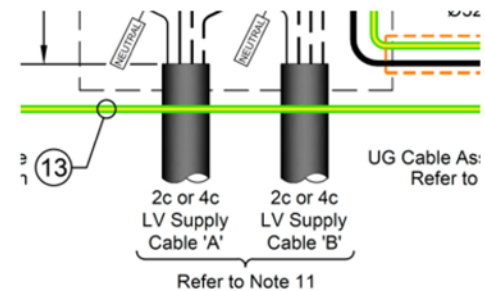


Figure 1 – Supply Cable Description

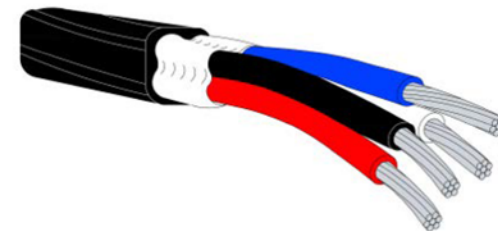


Figure 2 – New 24mm² 4c Aluminium Cable