Client: Flexxcab	**Ratings:** 0.6/1kV		**Items:** 1c x 120, 185, 240, 300, 400 SQ MM Cables.
Materials: refer to signed Project Application sheet			**Applied Standard**: AS/NZS 5000.1:2005

1C X 120 SQ MM

Materials & Tests	Reference Standard	Clause	Requirements	Observed	Verdict	Comment
Insulation:						EPR has been used as an insulation material and tested according to AS/NZS 5000.1:2005.
Insulation Thickness Measurement	AS/NZS 1660.2.1:1998	Clause 2.1.1	Required Nominal Thickness(t_i): **1.6mm**	**1.9mm**	**P**	As per standards AS/NZS 5000.1:2005, AS/NZS 1660.2.1:1998 the insulation nominal thickness has been measured and the minimum thickness has been measured and calculated.
			Required Minimum Thickness: **1.34mm**	**1.46mm**	**P**	
Oversheath:						GP-CPE-90 has been used as an oversheath material and tested according to AS/NZS 5000.1:2005
Oversheath Thickness Measurement	AS/NZS 1660.2.1:1998	Clause 2.1.2	Required Nominal Thickness(t_s): **1.5mm**	**2.4mm**	**P**	As per standards AS/NZS 5000.1:2005, AS/NZS 1660.2.1:1998 both the oversheath nominal thickness and the minimum thickness has been measured and calculated.
			Required Minimum Thickness: **1.21mm**	**2.20mm**	**P**	

1C X 185 SQ MM						
Materials & Tests	**Reference Standard**	**Clause**	**Requirements**	**Observed**	**Verdict**	**Comment**
Insulation:						EPR has been used as an insulation material and tested according to AS/NZS 5000.1:2005.
Insulation Thickness Measurement	AS/NZS 1660.2.1:1998	Clause 2.1.1	Required Nominal Thickness(t_i): **2.0mm**	**2.7mm**	**P**	As per standards AS/NZS 5000.1:2005, AS/NZS 1660.2.1:1998 the insulation nominal thickness has been measured and the minimum thickness has been measured and calculated.
			Required Minimum Thickness: **1.70mm**	**1.86mm**	**P**	
Oversheath:						GP-CPE-90 has been used as an oversheath material and tested according to AS/NZS 5000.1:2005
Oversheath Thickness Measurement	AS/NZS 1660.2.1:1998	Clause 2.1.2	Required Nominal Thickness(t_s): **1.7mm**	**2.9mm**	**P**	As per standards AS/NZS 5000.1:2005, AS/NZS 1660.2.1:1998 both the oversheath nominal thickness and the minimum thickness has been measured and calculated.
			Required Minimum Thickness: **1.32mm**	**2.75mm**	**P**	

1C X 240 SQ MM						
Materials & Tests	**Reference Standard**	**Clause**	**Requirements**	**Observed**	**Verdict**	**Comment**
Insulation:						EPR has been used as an insulation material and tested according to AS/NZS 5000.1:2005.
Insulation Thickness Measurement	AS/NZS 1660.2.1:1998	Clause 2.1.1	Required Nominal Thickness(t_i): **2.2mm**	**2.7mm**	**P**	As per standards AS/NZS 5000.1:2005, AS/NZS 1660.2.1:1998 the insulation nominal thickness has been measured and the minimum thickness has been measured and calculated.
			Required Minimum Thickness: **1.88mm**	**2.38mm**	**P**	
Oversheath:						GP-CPE-90 has been used as an oversheath material and tested according to AS/NZS 5000.1:2005
Oversheath Thickness Measurement	AS/NZS 1660.2.1:1998	Clause 2.1.2	Required Nominal Thickness(t_s): **1.8mm**	**2.2mm**	**P**	As per standards AS/NZS 5000.1:2005, AS/NZS 1660.2.1:1998 both the oversheath nominal thickness and the minimum thickness has been measured and calculated.
			Required Minimum Thickness: **1.40mm**	**1.99mm**	**P**	

1C X 300 SQ MM						
Materials & Tests	**Reference Standard**	**Clause**	**Requirements**	**Observed**	**Verdict**	**Comment**
Insulation:						EPR has been used as an insulation material and tested according to AS/NZS 5000.1:2005.
Insulation Thickness Measurement	AS/NZS 1660.2.1:1998	Clause 2.1.1	Required Nominal Thickness(t_i): **2.4mm**	**2.7mm**	**P**	As per standards AS/NZS 5000.1:2005, AS/NZS 1660.2.1:1998 the insulation nominal thickness has been measured and the minimum thickness has been measured and calculated.
			Required Minimum Thickness: **2.06mm**	**2.42mm**	**P**	
Oversheath:						GP-CPE-90 has been used as an oversheath material and tested according to AS/NZS 5000.1:2005
Oversheath Thickness Measurement	AS/NZS 1660.2.1:1998	Clause 2.1.2	Required Nominal Thickness(t_s): **1.9mm**	**2.9mm**	**P**	As per standards AS/NZS 5000.1:2005, AS/NZS 1660.2.1:1998 both the oversheath nominal thickness and the minimum thickness has been measured and calculated.
			Required Minimum Thickness: **1.47mm**	**2.74mm**	**P**	

1C X 400 SQ MM (one end)						
Materials & Tests	**Reference Standard**	**Clause**	**Requirements**	**Observed**	**Verdict**	**Comment**
Insulation:						EPR has been used as an insulation material and tested according to AS/NZS 5000.1:2005.
Insulation Thickness Measurement	AS/NZS 1660.2.1:1998	Clause 2.1.1	Required Nominal Thickness(t_i): **2.6mm**	**2.8mm**	**P**	As per standards AS/NZS 5000.1:2005, AS/NZS 1660.2.1:1998 the insulation nominal thickness has been measured and the minimum thickness has been measured and calculated.
			Required Minimum Thickness: **2.24mm**	**2.30mm**	**P**	
Oversheath:						GP-CPE-90 has been used as an oversheath material and tested according to AS/NZS 5000.1:2005
Oversheath Thickness Measurement	AS/NZS 1660.2.1:1998	Clause 2.1.2	Required Nominal Thickness(t_s): **2.0mm**	**2.8mm**	**P**	As per standards AS/NZS 5000.1:2005, AS/NZS 1660.2.1:1998 both the oversheath nominal thickness and the minimum thickness has been measured and calculated.
			Required Minimum Thickness: **1.58mm**	**2.44mm**	**P**	

1C X 400 SQ MM (another end)						
Materials & Tests	**Reference Standard**	**Clause**	**Requirements**	**Observed**	**Verdict**	**Comment**
Insulation:						EPR has been used as an insulation material and tested according to AS/NZS 5000.1:2005.
Insulation Thickness Measurement	AS/NZS 1660.2.1:1998	Clause 2.1.1	Required Nominal Thickness(t_i): **2.6mm**	**2.9mm**	**P**	As per standards AS/NZS 5000.1:2005, AS/NZS 1660.2.1:1998 the insulation nominal thickness has been measured and the minimum thickness has been measured and calculated.
			Required Minimum Thickness: **2.24mm**	**2.37mm**	**P**	
Oversheath:						GP-CPE-90 has been used as an oversheath material and tested according to AS/NZS 5000.1:2005
Oversheath Thickness Measurement	AS/NZS 1660.2.1:1998	Clause 2.1.2	Required Nominal Thickness(t_s): **2.0mm**	**2.9mm**	**P**	As per standards AS/NZS 5000.1:2005, AS/NZS 1660.2.1:1998 both the oversheath nominal thickness and the minimum thickness has been measured and calculated.
			Required Minimum Thickness: **1.58mm**	**2.49mm**	**P**	

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