



Primary Cable for AGL

Features

- Single core, screened or unscreened HV cable.
- Designed for continuous operation at nominal voltages up to 5kV to ground, the standard cable is designed for continuous operation.

Compliance with standards

- **FAA** AC 150/5345-7D (L-824)
- **ICAO** Aerodrome Design Manual Part 5, Electrical Services

Application

Primary Series Circuit cables are used in AGL series circuits to connect the constant current regulator to the primary windings of the series transformers.

Other cable specifications available including:

- FLYCY (6mm² or 8 AWG)
- EPR (Ethylene Propylene Rubber) Insulation
- PCP (Polychloroprene) outer sheath
- Cable lengths with pre-molded plug and receptacles

Cable options

- Termite protection
- Braided screens for added mechanical protection
- Drum size (Standard is 1kM)
- Cable identification marking
- Outer jackets are available in different colours to facilitate series circuit identification

Cable specifications

COPPER CONDUCTOR	Cross-Section	6mm ²	6mm ²	8 AWG	8 AWG	6mm ²	6mm ²	8 AWG	8 AWG	6mm ²	8 AWG	6mm ²	6mm ²
	Number of Strands	7	7	7	7	7	7	7	7	7	7	7	7
INSULATION	Material	XLPE	XLPE	XLPE	XLPE	XLPE	XLPE	XLPE	XLPE	XLPE	XLPE	PE	PE
	Nominal Voltage	5kV	5kV	5kV	5kV	5kV	5kV	5kV	5kV	5kV	5kV	3kV	2kV
SCREEN	Thickness	2.3mm	2.3mm	2.3mm	2.3mm	2.3mm	2.3mm	2.3mm	2.3mm	2.8mm	2.8mm	2.8mm	2.5mm
	Material	Copper	Copper	Copper	Copper	Brass	Brass	Brass	Brass	N/A	N/A	N/A	N/A
	Type	Tape	Tape	Tape	Tape	Tape	Tape	Tape	Tape	N/A	N/A	N/A	N/A
OUTER SHEAF	Thickness	0.08mm	0.08mm	0.08mm	0.08mm	0.08mm	0.08mm	0.08mm	0.08mm	N/A	N/A	N/A	N/A
	Material	PE	PVC	PE	PVC	PE	PVC	PE	PVC	N/A	N/A	PVC	PVC
PACKING	Thickness	1.2mm	1.2mm	1.2mm	1.2mm	1.2mm	1.2mm	1.2mm	1.2mm	N/A	N/A	1.0mm	1.2mm
	Gross weight	208 KG/KM	208 KG/KM	237 KG/KM	237 KG/KM	208 KG/KM	208 KG/KM	237 KG/KM	237 KG/KM	158 KG/KM	183 KG/KM	148KG/KM	150KG/KM

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