

5kV NONSHIELDED* AIRPORT LIGHTING

Medium Voltage Commercial & Industrial Cables



Description

Single conductor cable with stranded copper conductor, track-resistant cross-linked polyethylene (XLPE) insulation.

Specifications and ratings

ICEA - ICEA S-96-659

FAA - FAA Specification L-824
 Type C per FAA Advisory Circular 150/5345-7E

For 90°C continuous, 130°C emergency,
 250°C short-circuit operation.

*Non-shielded products subject to the National Electric Code are limited to 2.4 kV.

Design Parameters

CONDUCTOR: Class B concentric compressed strand soft drawn annealed copper per ASTM.

INSULATION: Superior quality black, sunlight resistant, track resistant cross-linked polyethylene (XLPE), having an optimal balance of electrical and mechanical characteristics assuring extended cable life.

Installation



Conduit in Air



Isolated in Air



Underground Duct



Direct Buried



Wet Locations



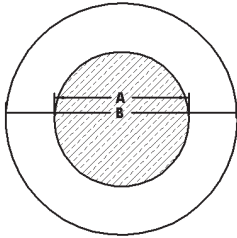
Dry Locations



Airport Lighting

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Product Numbers	Conductor	Insulation Thickness (mil)	Phase Conductor Diameter		Overall Diameter (in)	Weight (lbs./ft)	Minimum Bending Radius	† Ampacity (Amps)
			(A)	(B)				
5 kV Nonshielded Copper								
^s 303334A	8 AWG	110	0.142	0.37	98	2	64	90°C in Duct
^s 303361A	6AWG	110	0.180	0.41	124	2	85	
^s 303362A	4AWG	110	0.226	0.46	179	2	110	

†Ampacities are based on the following:

PRODUCT NOTES:

^s Items are Prysmian authorized stock.
The above dimensions are approximate and subject to normal manufacturing tolerances.

Three Phase Operation
2011 NEC Table 310.60 (c) (77): Three single cables in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, and 100% load factor.