

Aluminium URD



Wire & Cable Specification

Construction	
Standard	AS/NZS 4026
Voltage	0.6/1 kV
Conductor	Aluminium
Insulation	XLPE
Sheath	PVC





Item Codes

Material No.	Old Code	Cores x Area mm ²	Sheath	Nom Dia mm	Approx Mass kg/m
XDDH39AA004CXAA	8086	4 x 50 *	BK	29.1	0.94
XDDG20AA004CXAA	6325	4 x 70	BK	31.4	1.25
XDDG21AA004CXAA	4388	4 x 95	BK	36.0	1.62
XDDG23AA004CXAA	2221	4 x 120	BK	39.1	1.99
XDDG25AA004CXAA	8674	4 x 185	BK	48.9	3.10
XDDG26AA004CXAA	5423	4 x 240	BK	54.6	3.91
XDDG27AA004CXAA	4514	4 x 300	BK	60.2	4.87

Note: Conductors are shaped stranded.

* Compact circular stranded

Technical Information (Current Rating)

Conductor Size mm ²	Unenclosed		Buried Direct	Underground Ducts	Three Phase Voltage Drop mV/A.m
	Spaced from Surface	Touching			
					
Three Phase					
50	154	143	171	134	1.430
70	198	182	209	166	0.993
95	242	226	251	198	0.723
120	281	264	284	230	0.577
185	374	347	364	300	0.388
240	446	413	423	353	0.307
300	512	473	476	401	0.258

Note:

The values in this table have been obtained from AS/NZS 3008.1.2:1998 for typical New Zealand installation conditions of:-
 Ambient Air Temperature 30°C
 Soil Temperature 15°C
 Soil Thermal Resistivity 1.2 K.m/W
 Depth of Burial 0.5 m

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