

AI URD Cables

Contact

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Al Conductors, XLPE insulation, Black PVC Sheath, 0.6/1 kV. Made to AS/NZS 4026

DESCRIPTION

Application

- Recommended for use in Underground Residential Distribution Systems.



STANDARDS

National AS/NZS 4026

CHARACTERISTICS

Construction characteristics

Conductor material	Aluminum
Insulation	XLPE
Outer sheath	PVC

Electrical characteristics

Rated Voltage U _o /U (Um)	0.6/ 1 (1.2) kV
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Usage characteristics

Max. conductor temperature in service	90 °C
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

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

PRODUCT LIST

Nexans ref.	Country ref.	Nb. of cores	Cross section [mm ²]	Max. DC resist. of cond. at 20°C (Ohm/km)	Nom. overall diam. [mm]	Approx. weight [kg/m]	Type of conductor
XDDH39AA004CXAA	8086	4	50	0.641	29.1	0.94	Circular compacted stranded
XDDG20AA004CXAA	6325	4	70	0.443	31.4	1.25	Sector-shaped, stranded
XDDG21AA004CXAA	4388	4	95	0.32	36.0	1.62	Sector-shaped, stranded
XDDG23AA004CXAA	2221	4	120	0.253	39.1	1.99	Sector-shaped, stranded
XDDG25A5004CXAA	8674.5	4	185	0.164	48.9	3.1	Sector-shaped, stranded
XDDG25AA004CXAA	8674	4	185	0.164	48.9	3.1	Sector-shaped, stranded
XDDG26AA004CXAA	5423	4	240	0.125	54.6	3.91	Sector-shaped, stranded
XDDG27AA004CXAA	4514	4	300	0.1	60.2	4.87	Sector-shaped, stranded

CURRENT CARRYING CAPACITIES THREE PHASE (IN AMPS) - AL URD XLPE

Aluminium conductor Shaped stranded Insulation XLPE Max. Conductor Temperature 90C

Conductor cross-section [mm ²]	 AI	 AI	 AI	 AI	 AI
50	154	143	116	170	128
70	196	182	147	209	161
95	242	224	178	250	194
120	282	262	211	286	225
185	374	347	276	364	291
240	446	413	333	423	345
300	514	475	-	477	391

 Air Spaced from Surface, Unenclosed
  Air touching, unenclosed
  Air enclosed
 Buried direct
  Buried in single-way duct