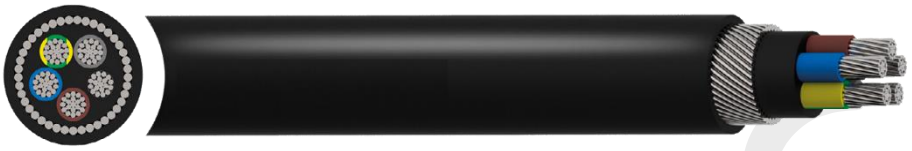
METSEC
CABLES LIMITED

Aluminium Conductor XLPE ARMOURED CABLE(NA2XRY) 0.6/1kV Cable



APPLICATION

Can be used in underground installations since the cable is very suitable for mechanical compulsion and harsh operating conditions. Suitable for comparatively high ambient temperature due to high maximum permissible conductor temperature.

CHARACTERISTICS

Voltage Rating Uo/U 0.6/1kV

Temperature Range
Fixed: -5˚C to +90˚C

Minimum Bending Radius
15 x overall diameter

CONSTRUCTION

Conductor
Class 2 stranded aluminium conductor

Insulation
XLPE (Cross-Linked Polyethylene)

Filler
PVC (Polyvinyl Chloride)

Armour
SWA (Galvanized round steel wire)

Sheath
PVC (Polyvinyl Chloride)

STANDARDS

KS IEC 60502-1
Flame Retardant according to IEC/EN 60332-1-2

ISO 9001 Quality Management | ISO 14001 Environmental Management | ISO 45001 Occupational Health and Safety Management

CORE IDENTIFICATION

2 core: Red Black
3 core: Red Yellow Blue
4 core: Red Yellow Blue Black
5 core: Red Yellow Blue Black
Green/yellow
7 core and above: White cores with Black numbers

Sheath Colour
Black

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DIMENSIONS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
2	25	25	1270
3	25	25.6	1325
3	35	28.2	1592
3	50	34.6	2381
3	70	36.5	2679
3	95	41.8	3640
3	120	49	4736
3	25/16	27.8	1487
3	35/16	30.4	1722
3	50/25	35.8	2440
3	70/35	39.8	2950
3	95/50	45.9	4033
3	240/120	66.6	8162
3	300/150	72.2	9318
4	25	29.1	1643
4	35	32.2	1970
4	50	37.7	2754
4	70	43	3696
4	95	48.2	4546
4	120	52.2	5264
4	150	57.7	6289
4	185	66.9	8596
4	240	74	10334
5	16	26.1	1373
5	25	30.3	1802
5	35	34.5	2415
5	50	39.9	3330
5	70	45.1	4124
5	95	50.9	5198

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CONDUCTORS

Class 2 Stranded Conductors for Single Core and Multi-Core Cables

NOMINAL CROSS SECTIONAL AREA	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20ºC
mm²	ohms/km
16	1.91
25	1.2
35	0.868
50	0.641
70	0.443
95	0.32
120	0.253
95	0.32
150	0.206
185	0.164
240	0.125

ELECTRICAL CHARACTERISTICS

Current Carrying Capacity

NOMINAL CROSS SECTIONAL AREA mm²	CURRENT CARRYING CAPACITY Amps	
	In Ground	In Air
16	76	77
25	90	97
35	112	120
50	136	146
70	174	187
95	211	227
120	245	263
150	283	304
185	323	347
240	382	409