METSEC
CABLES LIMITED

Copper Concentric PVC Insulated cable

APPLICATION

Used by distribution network operators (DNO's) for single phase when providing the final connection to domestic properties. Also suitable for sub main distribution and particularly used within high-rise buildings and street lighting systems.

CHARACTERISTICS

Voltage Rating Uo/U

0.6/1kV

Temperature Rating
-15˚C to +70˚C

Minimum Bending Radius
8 x overall diameter

CONSTRUCTION

Conductor
Class 2 stranded copper conductor

Insulation
PVC (Polyvinyl Chloride)

Concentric layer
Annealed copper wire wound uniformly in a single round layer right hand lay.

Sheath
PVC (Polyvinyl Chloride)

Sheath Colour
Black

CABLE THIRD-PARTY ACCREDITATION

Cables are tested and accredited by Kenya Bureau and Standards (KEBS).

STANDARDS

KS –IEC 60228, KS - KSO4 1022

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

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

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DIMENSIONS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm^2	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
1	4	8.5	140
1	16	12	370
1	25	14	550

CONSTRUCTION

NOMINAL CROSS SECTIONAL AREA	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C	MAXIMUM DC RESISTANCE OF CONCENTRIC CONDUCTOR AT 20°C
mm^2	**ohms/km**	**ohms/km**
4	4.61	4.8
16	1.15	1.2
25	0.727	0.76

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA	CURRENT CARRYING CAPACITY Amps		
mm^2	In Air	Clipped Direct	Enclosed in Conduit on a Wall
4	42	41	37
16	100	99	88
25	135	130	117

Conductor Operating Temperature: 90°C

Ambient Temperature: 30°C