

### Translation of Eskom's Cable Codes for Power Cable

	First Alpha	Second Alpha	Third Alpha	Fourth Alpha	Fifth Alpha	Sixth Alpha
Code	Rating	Conductor Insulation	Cable Makeup	Conductor Size (sq.mm)	Conductor Material	Outer Construction
A	300 / 500 V	Asbestos	Aluminium Sheath	0.5	Stranded Aluminium	Asbestos Taped
B	600 / 1000 V	Invalid Entry	Invalid Entry	0.75	Solid Aluminium	Bituminous Painted
C	3,3 kV	Cambric	Copper Sheath	1.5	Stranded Copper	Black Conduit
D	6,6 kV	Invalid Entry	Single Core Leads	2.5	Solid Copper	Ducting
E	11 kV	Invalid Entry	Combined Neutral & Earth Wire Armour	4	Invalid Entry	Flexible Conduit
F	22 kV	Mass Impregnated Non-Draining Paper, Screened, Lead Covered	Invalid Entry	6	Invalid Entry	Fireproofed Textiles
G	33 kV	Mass Impregnated Non-Draining Paper, Screened	Invalid Entry	10	Invalid Entry	Glass Fibre Waterproofed
H	44 kV	Mass Impregnated Non-Draining Paper	Earthed over all Cores, Lead Covered, Double Steel Wire Armour	16	Invalid Entry	Hessian Waterproofed
I	Invalid Entry	Invalid Entry	Invalid Entry	Invalid Entry	Invalid Entry	Invalid Entry
J	66 kV	Oil-filled Paper (Pressurised)	Earthed over all Cores, Lead Covered, Double Steel Tape Armour	Invalid Entry	Invalid Entry	Jute Waterproofed
K	88 kV	Invalid Entry	Lead Covered, Double Steel Tape Armour	25	Invalid Entry	Cotton Braiding
L	132 kV	Invalid Entry	Lead Covered	35	Invalid Entry	Galvanised Conduit
M	220 kV	Mineral	Earthed over all Cores, Lead Covered, Single Steel Wire Armour	50	Invalid Entry	Polychloroprene Sheathed
N	275 kV	Neoprene	Invalid Entry	70	Invalid Entry	Neoprene
O	Invalid Entry	Invalid Entry	Invalid Entry	Invalid Entry	Invalid Entry	Invalid Entry
P	330 kV	Paper	Screened over all Cores, Single Steel Wire Armour	95	Invalid Entry	Rubber Sheathed
Q	400 kV	Polyethylene	Earthed over all Cores, Lead Covered	120	Invalid Entry	Polyethylene Sheathed
R	Invalid Entry	Rubber	Rubber Covered	150	Invalid Entry	Rubber Sandwich
S	Invalid Entry	Paper Screened	Screened over all Cores	185	Invalid Entry	Fire Retardant Polyvinyl Chloride Sheathed
T	Invalid Entry	Fire Retardant Polyvinyl Chloride	Lead Covered, Double Steel Wire Armour	240	Invalid Entry	Polyvinyl Chloride Taped
U	Invalid Entry	Cross-linked Polyethylene, Copper Tape Core Screen	Double Steel Tape Armour	300	Invalid Entry	Invalid Entry
V	Invalid Entry	Polyvinyl Chloride	Polyvinyl Chloride Covered	400	Invalid Entry	Polyvinyl Chloride Sheathed
W	Invalid Entry	Crosslinked Polyethylene Extruded Core Screen, Brass Tape	Lead Covered, Single Steel Wire Armour	500	Invalid Entry	Waxed Cotton Braiding
X	Invalid Entry	Crosslinked Polyethylene	Single Steel Wire Armour	630	Invalid Entry	High Impact Polyvinyl Chloride Sheathed
Y	Invalid Entry	Crosslinked Polyethylene Metallic Core Screen	No Construction over all Cores	800	Invalid Entry	No Serving or Protection
Z	Special	Special	Special	Special	Special	Special

Source: Eskom Dwg D-DT-0856 Rev 1 (21/12/99)