

SAP MATERIAL CODE INTERPRETATION

The illustration below can be used to interpret CBI electric: African Cables material code.

SAP Product Designation		F	1	F	C	3	0	9	5	1	7	1	9	1	0	K	0	S
F Final	H Semi-Finished																	
R Raw Material	K Bought Out																	
Product Group (Insulation type)																		
0 Bare	3 Rubber	7 ABC																
1 Paper	4 PVC	9 Accessories																
2 XLPE	6 Zerotox / NHL SFR																	
Voltage Code																		
A 500V	D 3.3kV	G 15kV	K 42kV	N 88kV														
B 750V	E 6.6kV	H 22kV	L 44kV	P 132kV														
C 1000V	F 11kV	J 33kV	M 66kV	Q = 42 kV SS														
R = 44 kV SS	S = 66 kV SS	T = 88 kV SS	U = 132 kV SS															
Conductor Material																		
A Aluminium	S Solid Aluminium	Y Aluminium Alloy																
C Copper	H Hard Drawn																	
Number of Conductors																		
1 to 9	A 12	B 19	C 27	D 37	M Milliken													
Conductors Size																		
9	as the first character indicates a decimal e.g. 915=1.5mm ²																	
04	four sectors	05	five sectors	06	six sectors													
A	800mm ²	B	1000mm ²	C	1200mm ²	D	1400mm ²											
E	1600mm ²	F	1800mm ²	G	2000mm ²	H	2500mm ²											
Table number (PILC/PILAC) (ZZ OTHER PRODUCT GROUPS)																		
9	to 27 GP Pure Lead Cooled	53	to 67 HD Pure Lead Cooled															
29	to 47 GP Alloy E Cooled	73	to 87 HD Alloy E Cooled															
Finish Code																		
Bedding			Armouring			Serving												
0	No Bedding	0	No Armour	0	No Serving													
1	(FR) Fire Retardant PVC	1	(SWA) Steel Wire Armour	1	(FR) Fire Retardant PVC													
2	(LH) Low Halogen PVC	2	(ECC) SWA and ECC	2	(LH) Low Halogen PVC													
3	(ZX) Zerotox	3	(ASA) Aluminium Strip Armour	3	(ZX) Zerotox													
4	(PE) Polyethylene	4	(AWA) Aluminium Wire Armour	4	(PE) Polyethylene													
5	(JS) Jute Bedded	5	(CNE) Concentric Neutral Earth	5	(JS) Jute Served													
6	(HT) Hessian Tapes	6	(CSA) Corrugated Seamless Aluminium	6	(HT) Hessian Tapes													
7	Pb Unarmoured	7	(CSW) Copper Wire Screen	7	(JB) Jute Braided													
8	Pb + Bedding	8	(CUT) Copper tape	8	PE with graphite													
		9	(DTA) Double Steel Tape Armour	9	PVC with Graphite													
		A	(DSWA) Steel Wire Armour	A	A = LLDPE													
		B	(CWS) with APL 4kA	B	B = MDPE with graphite													
		C	(CWS) with APL 13,1kA	C	C = FRPVC with anti-termites													
		D	(CWS) with APL 25kA	D	D = LHPVC with anti-termites													
		E	(CWS) with APL 31,5kA	E	E = Zerotox with anti-termites													
		F	(CWS) with APL 40kA	F	F = MDPE, Anti-termites													
		G	(AWA with APL)	G	G = LLDPE, anti-termites													

POWER BY INNOVATION... INNOVATION THROUGH PARTNERSHIPS

- H** = (SWA with APL)
- J** = APL
- K** = Single Core Bonding Lead
- L** = (CWS) with (CUT) equalising tape
- M** = Unscreened Tails
- H** = (FR) FR PVC, anti-termite, graphite
- J** = (PE) Polyethylene, anti-termite, graphite
- K** = (FR) FR PVC Double sheathed
- L** = LLDPE Double sheathed
- M** = MDPE Double sheathed
- N** = Zerotox with graphite
- P** = MDPE + Anti-termite + Graph
- Q** = HDPE + Graphite
- R** = HDPE
- S** = IEC 60840 ST12 FRPE
- T** = SOLAR CABLE (NHFRLS XLPE Insulation and sheath)

MV and LV ABC – Specification/Support/Auxiliary

Specification	Support Cores	Auxiliary Cores
S SABS	A None	A Type A (MVABC)
N NFC	B 35mm ² Aluminum Alloy	B Type B (MVABC)
E Eskom	C 50mm ² Aluminum Alloy	0 No auxiliary cores
	D 54.6mm ² Aluminum Alloy	1 25mm ² x 1 auxiliary core
	E 70mm ² Aluminum Alloy	
	F 95mm ² Aluminum Alloy	
	G 50mm ² Steel /	
	H 70mm ² Steel	

Code Suffixes

Water blocking	Colour Serving	Pilots	Customers
0 None	A	0 None	A Anglo
1 C-- standard	B Blue	A 1 x 1, 0 mm ² Pilots	B IEC
2 I- standard	E Green/yellow	B 1 x 1, 5 mm ² Pilots	C Cape Town
3 CI- standard	G Green	C 2 x 1, 0 mm ² Pilots	D eThekweni
4 A standard	K Black	D 2 x 1, 5 mm ² Pilots	E Eskom
5 C-A standard	R Red	E 3 x 6 mm ² Pilots	F Generic (BS)
6 IA standard	T Orange	F 3 x 10 mm ² Pilots	G Tanesco
7 CIA standard	X Grey	G 3 x 16 mm ² Pilots	H Centlec BM
A C-- saline	W Black Serving, red insulation	H 3 x 25 mm ² Pilots	J City Power
B I- saline	Y Yellow	J 3 x 35 mm ² Pilots	K Ekurhuleni
C CI- saline	Z Brown	K 3 x 50 mm ² Pilots	L Stellenbosch
D A saline		L 3 x 16 mm ² BE	M Maputo EDM
E C-A saline		M 3 x 25 mm ² BE	N Sasol
F IA saline		N 3 x 35 mm ² BE	P Drakenstein Mun
G CIA saline		P 2 x 50 mm ² BE	Q Umhlatuze
		Q 2 x 0, 83 mm Pilots	R Rustenburg
		R 2 x 10mm ² BE	S Generic (SANS)
		S 2 x 10mm ² Pilots	T Tshwane
			U Ngodwana
			V Teraco
			W Pietermaritzburg
			X Australia
			Y Stefanutti Stocks
			Z

C=Conductor,
I = Interstices
A=Armour



electric
african cables