



PURCEE INDUSTRIAL POWER & CONTROLS

www.purceeindustrial.africa



Introducing Purcee Industrial Power & Controls' Armored Cables

Utilizes a protective layer of metal, made of steel or aluminium providing enhanced durability and resistance to mechanical damage, moisture, and environmental hazards.

Types of Electrical Cables

- Armored SWA 4 Core 4MM²
- Armored SWA BL/LN XLPE/PVC 4CX16MM²
- Armored SWA 4 Core 25MM²
- Armored SWA BL/LN XLPE/PVC 4CX35MM²
- Armored SWA BL/LN XLPE/PVC 4CX50MM²
- Armored SWA BL/LN XLPE/PVC 4CX70MM²
- Armored SWA BL/LN XLPE/PVC 4CX95MM²
- Armored SWA 4 Core 120MM²
- Armored SWA WH/LN 3CX185MM² XLP/HF11KV
- Squared WH STRIP 3C 240MM XLPE COPPER 6.3/11KV
- Earth Squared 1C 120MM PVC



SPECIFICATIONS														
No of.	Size	Approx. outer	Approx. Cable Weight	Min. Bending	Cutting Length (MT)	Flange/ Outer Width	Max. Conductor DC	Conductor AC Resistance at Max.	Conductor S.C.C for	Current Carrying Capacity			Min. Bedding thickness	Min. Sheathing thickness
Cores	mm2	Diameter (mm) ± 4mm	(Kg/Km) ± 5%	Radius (mm)	±10%		Resistance at 20 °c (Ω/Km)	Operating Temp. and 50Hz (Ω/Km)	1 Sec (KA)	Laid in Ground	In duct	Free Air	(mm)	(mm)
	4x4	16.8	580	251	1000	1250/760	4.61	5.878	0.57	49	38	47	0.6	1.24
	4x16	24	1417	360	1000	1450/1200	1.15	1.46	2.29	105	79	101	0.6	1.24
	4x25	27,6	1922	415	1000	1650/1200	0.727	0.927	3.58	141	106	136	0.6	1.25
	4x35	30.5	2416	460	1000	1650/1200	0.524	0.668	5.01	170	128	166	0.6	1.32
	4x50	32	2867	480	1000	1850/1200	0.387	0.493	7.15	238	174	218	0.6	1.4
	4x70	36.8	4003	552	1000	1950/1600	0.268	0.342	10.02	293	218	277	0.76	1.56
	4x95	39.5	5080	593	1000	2350/1600	0.193	0.246	13.59	350	260	337	0.76	1.64
	4x120	44.8	6805	672	500	1850/1200	0.153	0.195	17.17	397	301	393	0.92	1.8
	3X185	68.8	10384	1375	500	2350	0.0991	0.128	26.455	381	N/A	423	1.16	2.62
	3X240	63.8	9068	960	500	2250	0.0754	0.098	34.32	575	N/A	601	N/A	2.28
	1X120	15.9	1144	240	2000	1400/1200	0.153	0.183	13.8	N/A	219	337	N/A	N/A



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