

Ducab		MV CABLE DESIGN.	
TYPE OF CABLE : XLPE INSULATION, COPPER TAPE SCREEN, STEEL TAPE ARMoured, PVC OVERSHEATHED		CORES : THREE	
SYSTEM VOLTAGE : 6.35/11 kV	DESIGN SPEC : IEC: 60502-2 & ADDC Standard S-AA-CAB-MV-3C-S & I (Rev 0-2010)	CONDR SIZE : 240 SQmm	
Note :- Drawing not to scale			
ITEM	DESCRIPTION	DETAILS	DIA (mm)
1	Conductor	Stranded Copper Conductor (Water-Tight)	18.4
2	Conductor Screen	(Bonded) Extruded semiconducting layer	20.0
3	Insulation	Extruded XLPE (Minimum thickness at any point = 3.4 mm)	27.2
4	Insulation Screen	Extruded (Strippable) Semiconducting layer	28.8
5	Metallic Tape Screen	Copper tape	29.0
6	Interstice Copper Conductor	Stranded Copper Wires (40 mm ² in each interstice)	
7	Fillers	3 Cores Laid up with Non – hygroscopic fillers followed by polyester binder tape	62.8
8	Bedding	Extruded PVC	65.7
9	Armour	Double Galvanised Steel Tape (nominal thickness of each tape = 0.5 mm)	67.7
10	Outer Sheath	Extruded PVC (Red Colour)	73.9
CABLE SECTION DRAWING & DIMENSIONS.		DESIGN No. DUCAB/MV/11866	DATE : April, 2010
GM(T)	M(JA)Prod.	GM(M)	→

