

SABS/SANS 1418, Aerial Bundled Conductor Systems

Phase + Supporting							
Phase	Supporting	Phase			Supporting		Approx. Overall Diameter
AAC+XLPE	AAAC	Compact Conductor		XLPE Insulation	Conductor	XLPE Insulation	
No.X Normal Cross Section of Cores	No.X Normal Cross Section of Cores	No.of Al.Wire	Overall Dia.	Normal Thickness	No./Dia. of Al Alloy Wire	Normal Thickness	
No. X mm ²	No. X mm ²	-	mm	mm	No./mm	mm	
3 X 16	1 X 54.6	7	4.8	1.2	7/3.15	1.6	20.72
3 X 25	1 X 54.6	7	6	1.4	7/3.15	1.6	23.63
3 X 35	1 X 54.6	7	7	1.6	7/3.15	1.6	26.17
3 X 50	1 X 54.6	7	8.3	1.6	7/3.15	1.6	28.53
3 X 70	1 X 54.6	19	10	1.8	7/3.15	1.6	32.34
3 X 95	1 X 54.6	19	11.6	1.8	7/3.15	1.6	35.24
3 X 120	1 X 54.6	19	13	1.8	7/3.15	1.6	37.78
3 X 150	1 X 54.6	19	14.6	1.8	7/3.15	1.6	40.69
3 X 16	1 X 70	7	4.8	1.2	7/3.5	1.6	21.36
3 X 25	1 X 70	7	6	1.4	7/3.5	1.6	24.26
3 X 35	1 X 70	7	7	1.6	7/3.5	1.6	26.8
3 X 50	1 X 70	7	8.3	1.6	7/3.5	1.6	29.16
3 X 70	1 X 70	19	10	1.8	7/3.5	1.6	32.97
3 X 95	1 X 70	19	11.6	1.8	7/3.5	1.6	35.88
3 X 120	1 X 70	19	13	1.8	7/3.5	1.6	38.42
3 X 150	1 X 70	19	14.6	1.8	7/3.5	1.6	41.32