

Self Supporting Medium Voltage

Construction : Conductor : Stranded and Compacted Aluminum According to IEC 60228 (ISIRI 3084)
 Conductor & Insulation Screen : Extruded Semi-Conductor
 Insulation : Cross-Linked Polyethylene (XLPE)
 Cores Sheath : High Density Polyethylene (HDPE)
 Messenger : Stranded Galvanized Steel Wire
 Messenger Insulation : High Density Polyethylene (HDPE)

Standard : Tavanir Work-Instruction and IEC 60502-2



Voltage	Cable Type 3x(Phase) + (Messenger)	Compacted Conductor Dia.	Insulation Thickness	Shield Cross section	Outer Sheath Thickness	Core Dia.	Messenger			Approx. Outer Diameter	Minimum Messenger Breaking Load	Conductor DC Resistance at 20 °C	Current Capacity
							No.xmm	Insulation Thickness	Insulated Dia,				
	No.xmm ²	mm	mm	mm ²	mm	mm	No.xmm	mm	mm	mm	kN	Ω/km	A
20kV	3x50+43	8.1	5.5	16	1.8	27.5	7x2.79	1	10.4	59	50.8	0.641	186
	3x70+60	9.7	5.5	16	1.9	29.5	19x2	1	12	63.5	77.85	0.443	231
	3x95+60	11.2	5.5	16	1.9	30.7	19x2	1	12	66	77.85	0.320	280
	3x120+60	12.8	5.5	16	2	32.5	19x2	1	12	70	77.85	0.253	324
	3x150+60	14.2	5.5	25	2.2	34	19x2	1	12	73	77.85	0.206	366
33kV	3x50+43	8.1	8	16	2	33	7x2.79	1	10.4	71	50.8	0.641	186
	3x70+60	9.7	8	16	2	34.5	19x2	1	12	74	77.85	0.443	231
	3x95+60	11.2	8	16	2.1	36	19x2	1	12	77.5	77.85	0.320	280
	3x120+60	12.8	8	16	2.1	38	19x2	1	12	82	77.85	0.253	324
	3x150+88	14.2	8	25	2.2	39.5	19x2.41	1	14.1	85	109.94	0.206	366