3.5 CORE CABLES

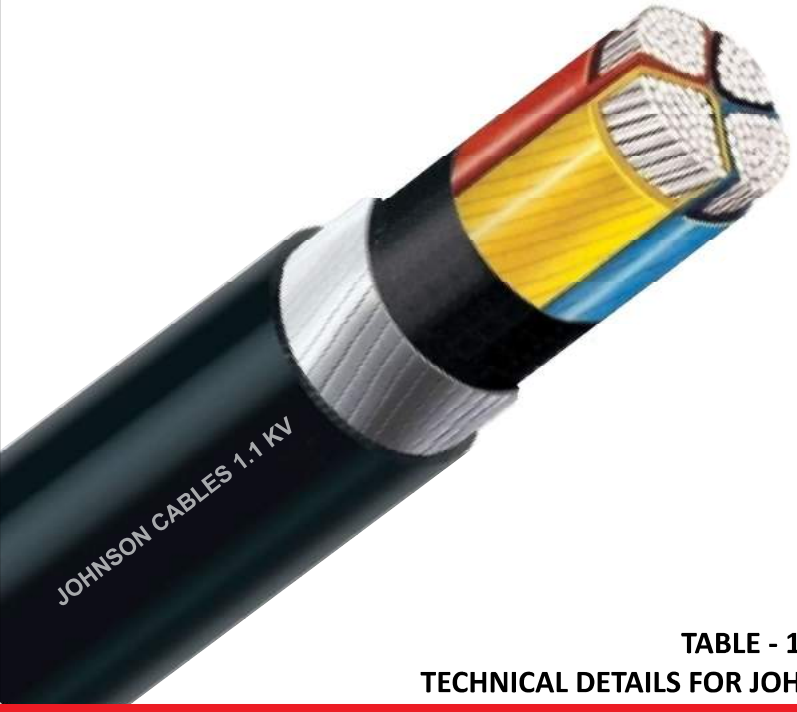

TABLE - 10
TECHNICAL DETAILS FOR JOHNSON CABLES 1.1 KV

3.5 CORE ALUMINIUM /COPPER CONDUCTOR XLPE INSULATED UNARMOURED CABLES

Ref Specification : IS 7098 Part-1
CABLE CODE : A2XY / 2XY

Technical Data

SIZE	NOMINAL INSULATION THICKNESS		MINIMUM INNER SHEATH THICKNESS	MINIMUM OUTER SHEATH THICKNESS	APPROX. OVERALL DIA OF CABLE ± 2 MM	APPROX. WEIGHT OF CABLE		MAX. CONDUCTOR DC RESISTANCE at 20° C		NOMINAL CURRENT RATING ALUMINIUM CONDUCTOR		NOMINAL CURRENT RATING COPPER CONDUCTOR	
	MAIN	HALF				A2XY	2XY	ALUMINIUM	COPPER	GROUND	AIR	GROUND	AIR
mm²	mm	mm	mm	mm	mm	Kg/Km		Ohm/Km		AMPS			
3CX25+16	0.90	0.70	0.30	2.00	22.00	580	1120	1.200	0.727	96	93	121	119
3CX35+16	0.90	0.70	0.30	2.00	24.00	700	1400	0.868	0.524	116	116	146	147
3CX50+25	1.00	0.90	0.30	2.00	27.50	880	1880	0.641	0.387	140	140	171	178
3CX70+35	1.10	0.90	0.40	2.20	31.50	1200	2620	0.443	0.268	171	175	211	225
3CX95+50	1.10	1.00	0.40	2.20	35.00	1500	3490	0.320	0.193	201	217	251	278
3CX120+70	1.20	1.10	0.40	2.20	39.50	1800	4320	0.253	0.153	226	250	286	318
3CX150+70	1.40	1.10	0.50	2.40	43.00	2200	5230	0.206	0.124	256	285	316	364
3CX185+95	1.60	1.10	0.50	2.60	47.50	2750	6580	0.164	0.0991	286	330	356	421
3CX240+120	1.70	1.20	0.60	2.80	52.00	3500	8500	0.125	0.0754	327	393	411	500
3CX300+150	1.80	1.40	0.60	3.00	57.00	4250	10600	0.100	0.0601	371	453	461	572
3CX400+185	2.00	1.60	0.70	3.40	65.00	5450	13830	0.0778	0.0470	429	529	521	660

NOTE : 1. THE ABOVE DATA IS APPROXIMATE & SUBJECT TO MANUFACTURING TOLERANCE, 2. DELIVERY LENGTH TOLERANCE +/- 5 %.

TABLE - 11
TECHNICAL DETAILS FOR JOHNSON CABLES 1.1 KV

3.5 CORE ALUMINIUM /COPPER CONDUCTOR XLPE INSULATED ARMOURED CABLES

Ref Specification : IS 7098 Part-1

CABLE CODE : A2XFY / 2XFY

Technical Data

SIZE	NOMINAL INSULATION THICKNESS		MINIMUM INNER SHEATH THICKNESS	NOMINAL ARMOUR STRIP	MINIMUM OUTER SHEATH THICKNESS	APPROX. OVERALL DIA OF CABLE ± 2 MM	APPROX. WEIGHT OF CABLE		MAX. CONDUCTOR DC RESISTANCE at 20° C		NOMINAL CURRENT RATING ALUMINIUM CONDUCTOR		NOMINAL CURRENT RATING COPPER CONDUCTOR	
	MAIN	HALF					A2XFY	2XFY	ALUMINIUM	COPPER	GROUND	AIR	GROUND	AIR
mm²	mm	mm	mm	mm	mm	mm	Kg/Km		Ohm/Km		AMPS			
3C X 25+16	0.90	0.70	0.30	4 X 0.8	1.40	22.00	860	1410	1.200	0.727	96	93	121	119
3C X 35+16	0.90	0.70	0.30	4 X 0.8	1.40	24.00	980	1730	0.868	0.524	116	116	146	147
3C X 50+25	1.00	0.90	0.30	4 X 0.8	1.40	27.50	1240	2300	0.641	0.387	140	140	171	178
3C X 70+35	1.10	0.90	0.40	4 X 0.8	1.56	31.50	1600	3050	0.443	0.268	171	175	211	225
3C X 95+50	1.10	1.00	0.40	4 X 0.8	1.56	35.00	1900	3950	0.320	0.193	201	217	251	278
3CX120+70	1.20	1.10	0.40	4 X 0.8	1.72	39.50	2300	4960	0.253	0.153	226	250	286	318
3CX150+70	1.40	1.10	0.50	4 X 0.8	1.72	43.00	2700	5880	0.206	0.124	256	285	316	364
3CX185+95	1.60	1.10	0.50	4 X 0.8	1.88	47.50	3300	7290	0.164	0.0991	286	330	356	421
3CX240+120	1.70	1.20	0.60	4 X 0.8	2.04	52.50	4100	9300	0.125	0.0754	327	393	411	500
3CX300+150	1.80	1.40	0.60	4 X 0.8	2.20	57.50	4960	11400	0.100	0.0601	371	453	461	572
3CX400+185	2.00	1.60	0.70	4 X 0.8	2.52	66.00	6200	14400	0.0778	0.0470	429	529	521	660

NOTE : 1. THE ABOVE DATA IS APPROXIMATE & SUBJECT TO MANUFACTURING TOLERANCE, 2. DELIVERY LENGTH TOLERANCE +/- 5 %.