

3 CORE CABLES

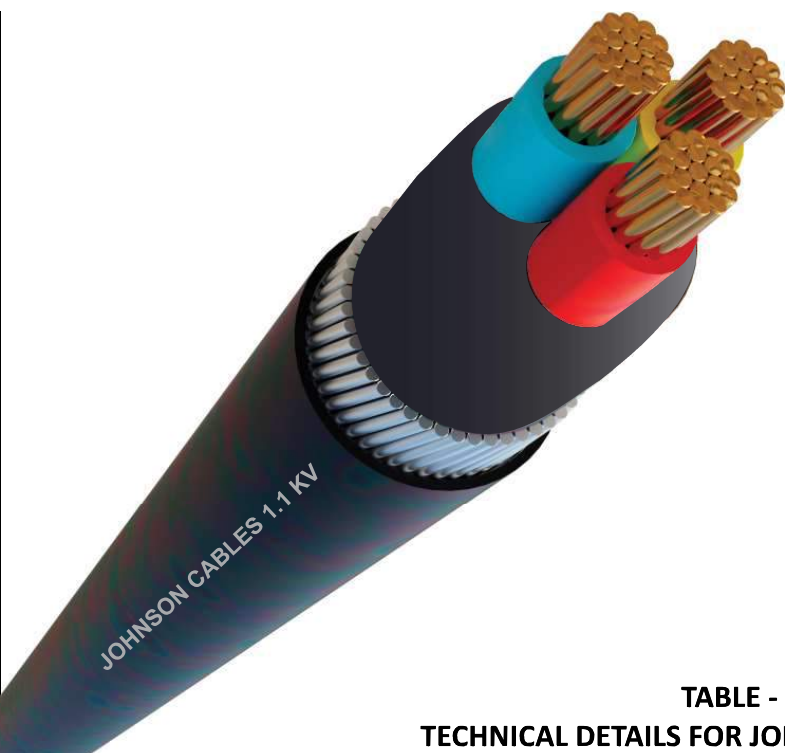


TABLE - 07
TECHNICAL DETAILS FOR JOHNSON CABLES 1.1 KV

3 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	
					A2XY	2XY	ALUMINIUM	COPPER	GROUND	AIR	GROUND	AIR
mm ²	mm	mm	mm	mm	Kg/Km		Ohm/Km		AMPS			
3C X 4	0.70	0.30	1.80	13.00	200	270	7.41	4.61	35	31	44	39
3C X 6	0.70	0.30	1.80	14.00	240	350	4.61	3.08	44	41	55	50
3C X 10	0.70	0.30	1.80	15.50	300	490	3.08	1.83	58	53	74	68
3C X 16	0.70	0.30	1.80	16.50	340	590	1.91	1.15	75	70	95	86
3C X 25	0.90	0.30	2.00	19.50	480	920	1.200	0.727	96	93	121	119
3C X 35	0.90	0.30	2.00	21.50	580	1230	0.868	0.524	116	116	146	147
3C X 50	1.00	0.30	2.00	24.00	760	1690	0.641	0.387	140	140	171	178
3C X 70	1.10	0.30	2.20	28.00	1020	2290	0.443	0.268	171	175	211	225
3C X 95	1.10	0.40	2.20	31.00	1250	3020	0.320	0.193	201	217	251	278
3C X 120	1.20	0.40	2.20	33.50	1520	3780	0.253	0.153	226	250	286	318
3C X 150	1.40	0.40	2.40	37.50	1920	4700	0.206	0.124	256	285	316	364
3C X 185	1.60	0.50	2.60	41.50	2390	5770	0.164	0.0991	286	330	356	421
3C X 240	1.70	0.50	2.80	46.50	3000	7400	0.125	0.0754	327	393	411	500
3C X 300	1.80	0.60	3.00	51.50	3750	9200	0.100	0.0601	371	453	461	572
3C X 400	2.00	0.60	3.20	58.00	4770	11600	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 - 08
TECHNICAL DETAILS FOR JOHNSON CABLES 1.1 KV

3 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	
						A2XFY	2XFY	ALUMINIUM	COPPER	GROUND	AIR	GROUND	AIR
mm ²	mm	mm	mm	mm	mm	Kg/Km		Ohm/Km		AMPS			
3c x 10	0.70	0.30	4 x 0.80	1.24	17.00	500	670	3.08	1.830	58	53	74	68
3C X 16	0.70	0.30	4 X 0.80	1.24	17.00	540	850	1.910	1.150	75	70	95	86
3C X 25	0.90	0.30	4 X 0.80	1.40	20.00	770	1150	1.200	0.727	96	93	121	119
3C X 35	0.90	0.30	4 X 0.80	1.40	21.50	900	1450	0.868	0.524	116	116	146	147
3C X 50	1.00	0.30	4 X 0.80	1.40	24.50	1100	1850	0.641	0.387	140	140	171	178
3C X 70	1.10	0.30	4 X 0.80	1.56	29.00	1430	2550	0.443	0.268	171	175	211	225
3C X 95	1.10	0.40	4 X 0.80	1.56	31.00	1740	3300	0.320	0.193	201	217	251	278
3C X 120	1.20	0.40	4 X 0.80	1.56	33.50	2060	4000	0.253	0.153	226	250	286	318
3C X 150	1.40	0.40	4 X 0.80	1.72	37.50	2350	5000	0.206	0.124	256	285	316	364
3C X 185	1.60	0.50	4 X 0.80	1.88	42.00	2850	6000	0.164	0.0991	286	330	356	421
3C X 240	1.70	0.50	4 X 0.80	2.04	46.50	3600	7700	0.125	0.0754	327	393	411	500
3C X 300	1.80	0.60	4 X 0.80	2.20	51.50	4400	9450	0.100	0.0601	371	453	461	572
3C X 400	2.00	0.60	4 X 0.80	2.36	58.00	5500	12200	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 - 09
TECHNICAL DETAILS FOR JOHNSON CABLES 1.1 KV

3 CORE ALUMINIUM/COPPER CONDUCTOR XLPE INSULATED ARMoured CABLES

Ref Specification : IS 7098 Part-1

CABLE CODE : A2XWY / 2XWY

Technical Data

SIZE	NOMINAL INSULATION THICKNESS	MINIMUM INNER SHEATH THICKNESS	NOMINAL ARMOUR WIRE	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	
						A2XWY	2XWY	ALUMINIUM	COPPER	GROUND	AIR	GROUND	AIR
mm ²	mm	mm	mm	mm	mm	Kg/Km		Ohm/Km		AMPS			
3C X 4	0.70	0.30	1.40	1.24	14.50	450	520	7.410	4.61	35	31	44	39
3C X 6	0.70	0.30	1.40	1.24	15.50	500	620	4.610	3.08	44	41	55	50

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