

4 CORE CABLES

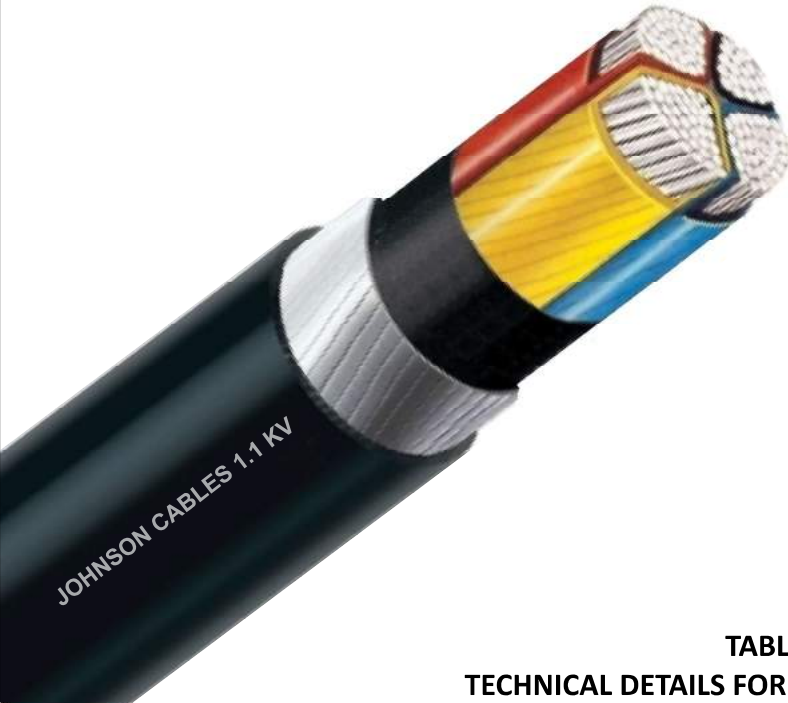


TABLE - 12
TECHNICAL DETAILS FOR JOHNSON CABLES 1.1 KV

4 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			
4C X 4	0.70	0.30	1.80	14.00	230	350	7.410	4.61	35	31	44	39
4C X 6	0.70	0.30	1.80	15.00	290	440	4.610	3.08	44	41	55	50
4C X 10	0.70	0.30	1.80	17.00	370	640	3.080	1.83	58	53	74	68
4C X 16	0.70	0.30	1.80	19.00	460	800	1.910	1.15	75	70	95	86
4C X 25	0.90	0.30	2.00	23.00	600	1200	1.200	0.727	96	93	121	119
4C X 35	0.90	0.30	2.00	25.50	750	1600	0.868	0.524	116	116	146	147
4C X 50	1.00	0.30	2.00	29.50	980	2150	0.641	0.387	140	140	171	178
4C X 70	1.10	0.40	2.20	33.50	1300	2900	0.443	0.268	171	175	211	225
4C X 95	1.10	0.40	2.20	37.50	1700	3900	0.320	0.193	201	217	251	278
4C X 120	1.20	0.50	2.40	41.50	2150	4850	0.253	0.153	226	250	286	318
4C X 150	1.40	0.50	2.60	46.00	2600	6000	0.206	0.124	256	285	316	364
4C X 185	1.60	0.50	2.80	50.00	3200	7450	0.164	0.0991	286	330	356	421
4C X 240	1.70	0.60	3.00	56.00	4000	9650	0.125	0.0754	327	393	411	500
4C X 300	1.80	0.70	3.20	62.00	5000	12050	0.100	0.0601	371	452	461	572

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

TABLE - 13
TECHNICAL DETAILS FOR JOHNSON CABLES 1.1 KV

4 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			
4C X 10	0.70	0.30	4 X 0.80	1.40	18.50	550	780	3.080	1.830	58	53	74	68
4C X 16	0.70	0.30	4 X 0.80	1.40	20.00	720	1050	1.910	1.150	75	70	95	86
4C X 25	0.90	0.30	4 X 0.80	1.40	23.50	950	1550	1.200	0.727	96	93	121	119
4C X 35	0.90	0.30	4 X 0.80	1.40	25.50	1050	1950	0.868	0.524	116	116	146	147
4C X 50	1.00	0.30	4 X 0.80	1.56	29.50	1350	2550	0.641	0.387	140	140	171	178
4C X 70	1.10	0.40	4 X 0.80	1.56	33.50	1700	3350	0.443	0.268	171	175	211	225
4C X 95	1.10	0.40	4 X 0.80	1.56	37.50	2100	4450	0.320	0.193	201	217	251	278
4C X 120	1.20	0.50	4 X 0.80	1.72	41.50	2600	5500	0.253	0.153	226	250	286	318
4C X 150	1.40	0.50	4 X 0.80	1.88	46.00	3000	6700	0.206	0.124	256	285	316	364
4C X 185	1.60	0.50	4 X 0.80	2.04	51.00	3700	8200	0.164	0.0991	286	330	356	421
4C X 240	1.70	0.60	4 X 0.80	2.20	57.00	4700	10300	0.125	0.0754	327	393	411	500
4C X 300	1.80	0.70	4 X 0.80	2.36	63.00	5660	12800	0.100	0.0601	371	452	461	572

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

TABLE - 14
TECHNICAL DETAILS FOR JOHNSON CABLES 1.1 KV

4 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			
4C X 4	0.70	0.30	1.40	1.24	15.50	510	590	7.410	4.61	35	31	44	39
4C X 6	0.70	0.30	1.40	1.24	16.50	590	730	4.610	3.08	44	41	55	50

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